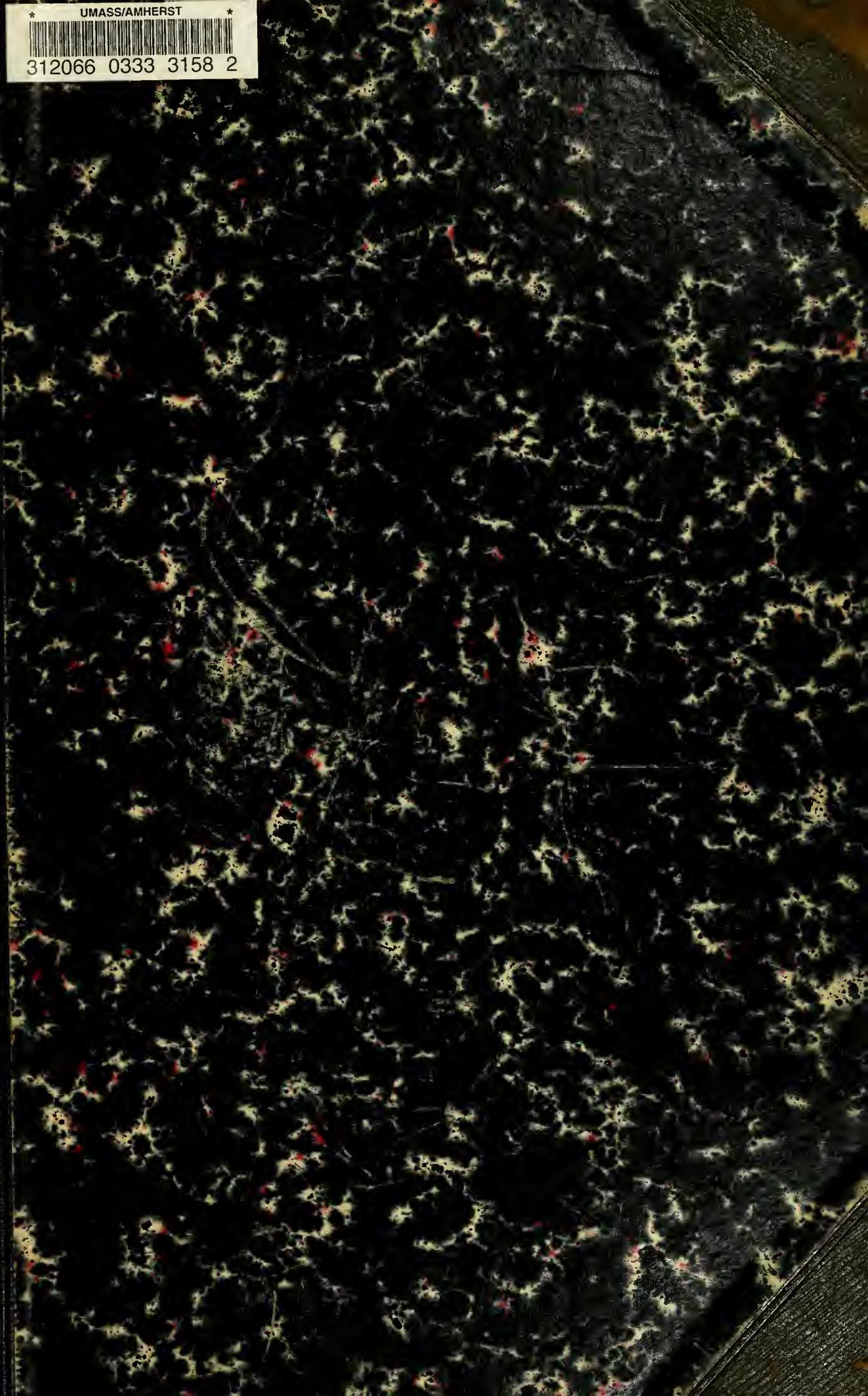


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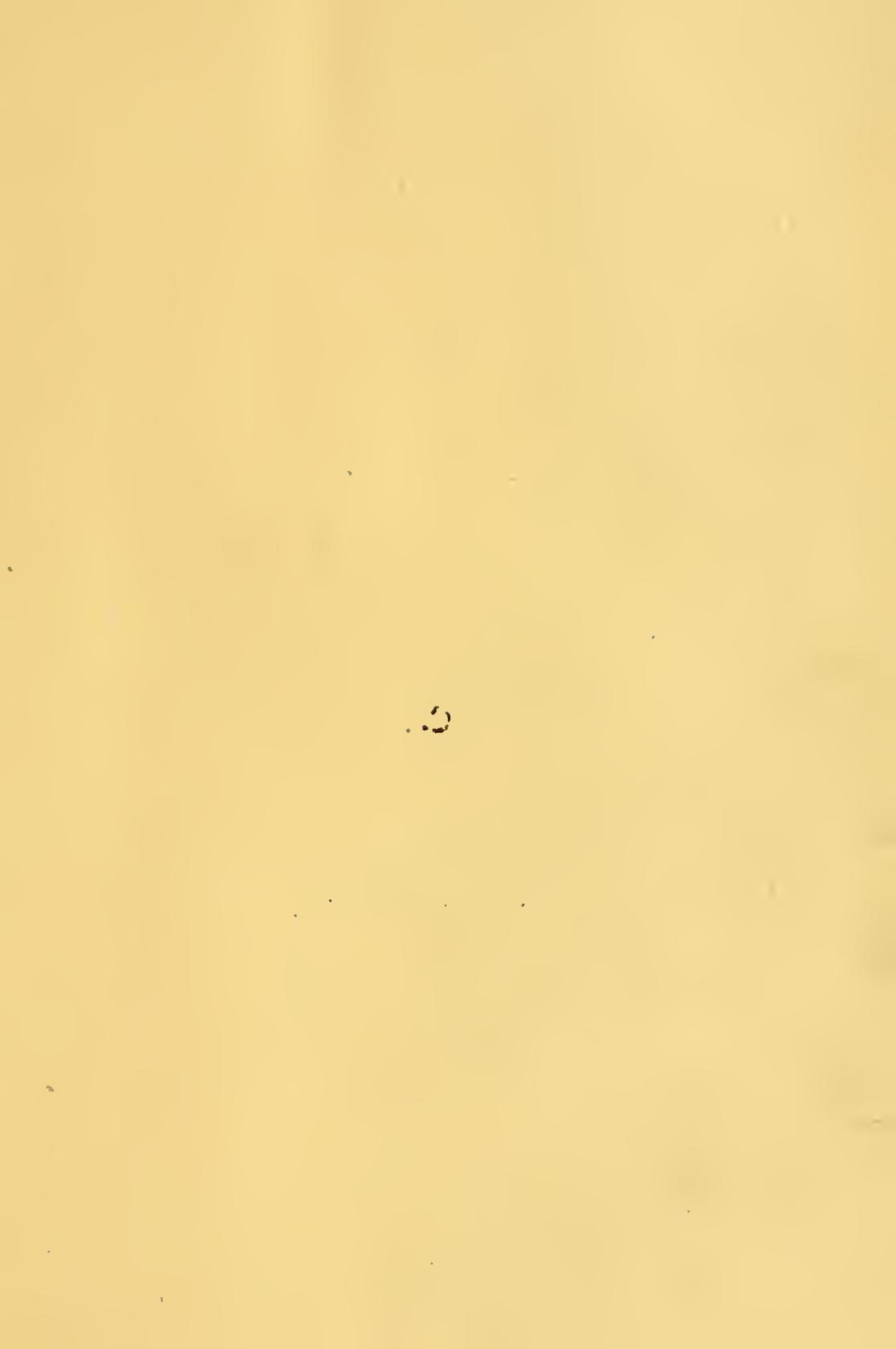
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THE AMERICAN FLORIST



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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CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1904. FRED H. LEMON, Richmond, Ind., secretary.

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CHRYSANTHEMUMS

Chrysanthemum Society of America.

The Massachusetts Horticultural Society has invited the Chrysanthemum Society of America to hold its next annual convention and exhibition in Horticultural Hall, Boston, November 3, 4, 5 and 6, 1904, in conjunction with that society. This invitation has been unanimously accepted by the executive board of the society.

An invitation was also received from the American Institute to repeat the success of last fall in New York, and although the officers and executive committee fully appreciate the kindness of the American Institute in extending this invitation, they feel it will be for the good of the society to change the location every year if possible. We are expecting next November the greatest show ever held, and every effort will be put forth to accomplish this result.

FRED. H. LEMON, Sec'y.

Short Notes from Europe.

W. Wells, the well known grower of chrysanthemums at Earlswood, Redhill, Surrey, England, is announcing the publication of a new and revised edition of his book on the chrysanthemum. Mr. Wells is one of the ablest trade growers in England and his experience is an extensive one. In recent years he has been instrumental in bringing to the notice of the British public all the best of the colonial raised varieties, especially those from the seed bed of T. W. Pockett, of Melbourne, Australia. The book should be ready by the time these notes appear.

The N. C. S. show held for the first time at the Crystal palace was, in spite of a bad season, decidedly encouraging, although the change of locality and the problem of reduced finances made a somewhat decided impress on the general extent of the show and the number of the exhibits. This was more particularly noticeable to those of its members who had just returned from the Paris chrysanthemum show which was truly a magnificent one.

Competition in chrysanthemums is becoming keener every year. Raisers and exhibitors are vying with one another for supremacy and already (January 2) most of the English importers and trade growers are announcing the publication of their list of novelties. These comprise many interesting sorts raised by English

growers and others from colonial and continental sources.

Of the French growers Ernest Calvat is first in the field with his catalogue of novelties. Most of these are grand examples of show flowers quite up to his usual style, and are a lot selected from those of his seedlings that were awarded the highest number of points for first-class certificates at Paris, Lille, Grenoble and Lyons. We specially recommend to the notice of American cultivators Alliance, Souvenir de Victorine Calvat, Mlle. Anna Debono, Femina, Comtesse de Grailley, Gabriel Martin, Mme. Marguerite de Mons, Mme. R. Oberthur, Joseph Paquet, Mme. E. Rosette and Marquise Visconti-Venosta (not the older variety of Marquis which is already well known.)

American growers of the popular flower who can read French would find much interesting matter in "Le Chrysanthème," the official organ of the French Chrysanthemum Society. One dollar a year covers the cost and there are generally seven or eight numbers published during the twelve months. Philippe Rivoire, 16 rue d'Algerie, Lyons, is the secretary.

A little shilling handbook on the culture of the chrysanthemum has just been published by Messrs. Collingridge, of the City Press, Aldersgate street, London, E. C. It is entitled "Chrysanthemums and How to Grow them for Exhibition." It is illustrated and contains a stopping and timing table.

Speaking of cultural treaties, mention ought to be made of an Italian book on the golden flower recently published by the Unione Tipografico-Editrice of Turin. It is one of the few worthy of the name of book for it contains upwards of 270 pages of printed matter, is illustrated with figures in black and white and also several in color. The author is Dario Formilli, of Rome, who deals with the flower in a most comprehensive manner. Briefly stated the book deals with the history, description, classification, bibliography and culture from every point of view. Lists of varieties for various purposes are given and a descriptive list of the best varieties. The price is 5 francs.

Growers who are interested in diseases and insect pests would do well to procure Dr. Chiffot's "Maladies et Parasites du Chrysanthème" together with the colored chart issued with it.

The French N. C. S. has undertaken the issue of a catalogue of varieties actually known to be in cultivation in France and also a color chart for the purpose of

facilitating the description of the colors of the flowers about which there is often so much dispute. These two publications promise to be a boon to those engaged in literary work. P.

Golden Chain in Mass.

The accompanying illustration shows the effect produced by arranging plants of *Chrysanthemum Golden Chain* in mass. We find it valuable when used to screen an unsightly corner or doorway in the store during a show. The flowers are small, the rays a rich golden yellow, with a darker center. The leaves are small, the whole being borne on long slender, almost trailing stems. When cut the blooms would no doubt prove of some value, especially when made up with *Asparagus Sprengeri* into a loose bouquet. F. K. B.

PALMS AND FERNS.

Fern Spores and Seedlings.

The process of sowing fern spores has been described many times, but yet some of the essential points may bear review briefly, for the season of early sowing is now with us. Some clean 6-inch pots, or preferably new pots, are filled to three-fourths their depth with drainage material, either broken pots or cinders will answer, then the pots are filled to within about one-half inch of the top with fine, prepared soil which has been sterilized, and pressed down firmly and smoothly. The seed pots should then be given a thorough watering and allowed to drain for at least two hours before sowing, the fine duct-like spores being sprinkled thinly and evenly on the surface of the soil, and the pots being at once set away in the propagating house, and preferably plunged in sand or fine ashes in a propagating frame, where the atmospheric conditions may be controlled to a great extent.

This is very necessary from the fact that it is better for the moisture of the soil to be preserved, from the first watering up to the time the sporelings appear, without further watering if possible, it being impossible to water the seed pots overhead without washing the spores off. But at the same time it should be remembered that too dry a soil will result in absolute failure to germinate the fern spores, and this requires close watching

on the part of the grower during the periods of strong firing that we are likely to experience at this season. Keeping the plunging material moist between the pots will usually avoid trouble in this respect, but in case any of the pots should be found dry they may be watered from the bottom by standing them in a bucket or pan containing four or five inches of water and leaving them there until thoroughly wetted.

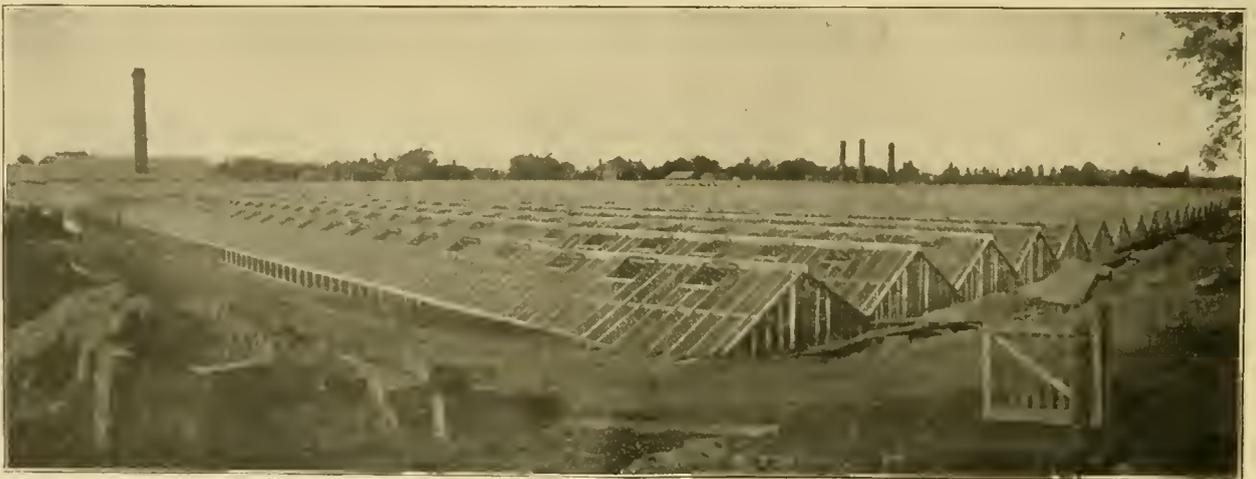
The frame in which the seed pots are placed should be kept close during the day, but ventilated to some extent at night to avoid the drip from condensed moisture on the glass. This drip is more troublesome in some houses than in others and as an extra precaution some growers cover the seed pots with panes of glass. These are tilted slightly to one side for the drainage of their own drip, and protect the spores from washing out with the drip from the sash above them. One of the advantages from the use of sterilized soil for fern spores is that the seeds of weeds in the soil are destroyed, a crop of weeds in the seed pots being highly objectionable from the fact that it is difficult to remove them without disturbing a number of the tiny fern prothalli or sporelings at the same time. Trouble is sometimes found in the seed pots in the form of a tiny white worm about one-fourth of an inch long, of the origin of which I am in doubt, though believing it to be one form of a small insect that sometimes appears among the spores before they are sown.

This worm burrows about just under the seedling ferns, loosening them from the surface of the soil, and also making the soil so loose that it is more difficult for the delicate root hairs that are first formed from the prothallus to attach themselves to the soil. The most effective treatment I have used for this insect is to fumigate the propagating frame with tobacco stems, using a home-made fumigating outfit for the purpose, the arrangement consisting of a good sized tin can for a fumigating pot, this being covered with a large funnel and a piece of iron pipe one inch in diameter fitted on the funnel and reaching from that point into the frame. This apparatus cost practically nothing, being made from old material, but by its use a frame thirty to forty feet long could be well filled with smoke in a very short time, and by watching the fire so as to avoid any blazing of the tobacco stems the smoke could be kept cool enough to prevent injury to the seedling ferns.

But the fumigation of such tender subjects must always be done cautiously, and it is much better to give two or three light applications than to scorch the ferns with too strong a dose. As would seem natural, the strong growing ferns usually germinate the soonest, and such as *Pteris argyrea*, *P. quadriaurita* and *P. tremula* will show signs of germination in little more than a week, that faint green tint on the surface of the soil, that would seem to the beginner like a coating of green scum, showing to the fern grower that the first step toward a stock of young ferns is being made; and as the prothalli begin to throw up the first frond a watch should be kept for snails. These pests have a wonderful appetite for young fern fronds, and will mow off every frond from the surface of a 6-inch pot of seedlings in a night or two.

Pricking off the seedlings in small patches or colonies onto the surface of other pots or pans that have been filled with drainage material and fine soil in much the same manner as the original pots, will be the next operation, this being frequently done just about the time the sporelings begin to make their first frond. This last is a very tedious operation, and is likely to make a man wonder how large a margin of profit there ought to be in fern growing in order to cover the outlay of time and patience that has been made during the early stages of the game. But tedious though it be, yet the raising of ferns from spores is quite a fascinating part of the florists' work, though it is quite within the bounds of probability that many of the smaller growers and dealers can purchase their stock of young ferns from one of the fern specialists for less money than they can raise them themselves. Prices are not very high for the ordinary trade species of ferns, and it is a good thing for the grower to stop long enough to reckon up the cost of the stock he is growing from time to time, and if it is found that the proverbial dollar per square foot return from his glass is easier to get by buying young stock than by raising it from seed, then it would appear the part of wisdom to let the other fellow do the growing and to become a plant merchant.

Some few of the smaller growing tree ferns are found in trade collections at times, among them *Blechnum Brasiliense*, *Lomaria gibba* and *Lomaria ciliata*, and also *Dicksonia antarctica*, the latter being perhaps the best among those four. But all these young tree ferns are rather tender in foliage, and especially so if they



GREENHOUSES OF THE DALE ESTATE, BRAMPTON, ONTARIO.

have been grown a little too soft by being potted in very light soil and kept too warm, the latter condition also favoring the attacks of insects, of which thrips and scale are the most troublesome. As one cannot fumigate these ferns very severely without injuring the foliage, it becomes necessary to use another method to dispose of the thrips, this being to dip the plants in a rather weak solution of rose leaf extract or some similar preparation, and then to lay the plants down to avoid the extract running down into the roots. It is also less injurious to these or any tender plants if they are protected from strong light by covering them with papers after the dipping for about twenty-four hours.

W. H. TAPLIN.

PLANT NOTES.

For Week of January 30.

Seeds.—The seeds of different annuals for the spring trade should be sown as soon as possible. Lobelia, centaurea, gymnocarpa, salvia, Kenilworth ivy, ten-week stocks, and others, are sown now. Early sown stock will make good 4-inch plants with three or four large spikes to the plant, if the first bud is pinched out. Another sowing may be made later on for 3-inch pots. As soon as the first buds begin to develop, and the single ones can be distinguished from the double, they are separated and the single ones are discarded. A hatch of petunias may also be sown now, with another lot to follow about the first of March. Sow only double varieties, for half of these will come single anyhow, which will provide plenty of the latter. *Dracæna indivisa* should also be sown now for next year's stock. Growing them along outside during the summer, either planted out in a frame where they can be watered, or in pots the year round, they will make fine 4 and 5-inch stock by this time next year. Place the seed boxes on a light bench, in a moderately warm house, and keep the soil moist and shaded from the sun to prevent baking until the seed commences to germinate. Mice are sometimes troublesome pests around the seed boxes; a little strychnine or arsenic mixed with oat meal, made into a paste, will soon dispose of them.

Lemon Verbenas.—Old stock plants of lemon verbenas and lantanas, which are now in a state of partial dormancy in a cool house, should be started up by applying a little more heat. If they were grown in pots during the previous summer, they will need a shift to a larger pot; in this case, renew some of the top soil, and repot in good rich soil. In a few weeks a lot of cuttings will be ready, which root easily in the sand, and will make fine 3-inch stock for the spring trade. The stock plants of lemon verbenas should be grown in pots the year through. Some growers prefer to plant them out during the summer, but lifting checks them too much, and they start into growth too late in the season to make useful cuttings. They are deciduous, but if grown in pots they will start up early and produce abundance of soft growth in plenty time for propagating for spring. Anthericums should also be shifted to a size larger pot and started to growing in a moderately cool house. Plants in 4 and 5-inch pots will make good stock for yases and veranda boxes. Cuttings taken now for next season will root easily in the sand.

Propagating.—Every square foot of the



CHRYSANTHEMUM GOLD N CHAIN AT THE MISSOURI BOTANICAL GARDEN.

propagating bench should now be pressed into service. Cuttings of heliotrope, ageratums, lobelia, swainsonia, and dozens of other plants for the spring trade should be inserted into the sand without delay. Coleus and alternantheras, however, need not be propagated for another five weeks for hedding. The north side bench of a house, where the temperature is kept at approximately 55° at night, is a good place to propagate. A mild bottom heat will facilitate rooting, and this can easily be obtained by tacking a piece of muslin or canvas along the front edge of the bench, letting it reach the ground. If the sand is kept at a temperature 5° higher than the surrounding air, it is quite sufficient. The bench should be thoroughly whitewashed before putting in the sand, which must be absolutely clean for every fresh lot of cuttings. If plenty of sand is obtainable, it had better be changed for every lot; especially so, if fungus was present in the preceding lot. Shade them from the sun's rays several hours each day with cheese cloth shades or newspapers, and keep the sand well watered so long as a strong bottom heat is maintained. Sprinkle the cuttings at least once a day an hour or so before the shade is put on.

As the sun grows stronger a light wash on the glass overhead may become necessary. Air-slaked lime blown from the bellows every evening, beginning at one end of the house and walking backwards to the other end, making a light mist throughout the house, will keep the air pure and sweet, and will also hold fungus in check. Propagating is at once the simplest, the most interesting, and one of the most important part of the business, and should be placed in charge of a capable man with nimble fingers who is interested in keeping up the stock. Allowing everyone to take a hand at it with no one directly responsible too often results in neglect; and neglect for even a few hours at a critical time will ruin a whole bench of cuttings. G.

ALBUQUERQUE, N. M.—Kindly warn the trade against Hobart Kruger, who claims to have worked recently for Becker Brothers, Fort Worth, Tex. He worked a few days for me and on December 22 forged three checks for \$10 each, passed them on local business men, and skipped. He is about 42 years old, very round shouldered and speaks with a marked German accent. B. H. IVES.

Society for Horticultural Science.

Supplementing the report of the St. Louis meeting of the Society for Horticultural Science published in our issue of January 23, we give herewith some opinions on other matters of interest to our readers.

Dr. H. J. Webber, of the United States Department of Agriculture, told of work which the department has undertaken in breeding strains of tobacco especially adapted for growing under cloth. In the department's work in growing tobacco under shade a serious difficulty has been met with, in that the varieties thus grown produce but a small percentage of the wide leaves desired in wrapper tobacco, although the same varieties as grown in the open produce perhaps eighty-five per cent of such leaves. The department is trying to breed a strain that shall be free from this defect. Dr. Webber also told of his well known experiments in breeding hardy oranges. By hybridizing a common cultivated variety of orange and the hardy trifoliolate a new race of fruit has been obtained which has been named the citrange. These are strictly new creations, there being previously nothing in existence like them. Unfortunately the fruits are rather sour, but perhaps this objection can be overcome by later breeding. Another of the department's creations is the Tangelo, or kid-glove grape fruit, which was produced by hybridizing the Tangerine orange and the pomelo or grape fruit. This fruit is not so sour as the grape and the peculiar flavor of the grape fruit is not so much in evidence. The rind can be separated from the fruit, and the segments can be separated from each other, as in the case of the Tangerine orange. These hardy races of citrus fruits extend the range of citrus culture perhaps 200 miles further north, and Dr. Webber prophesies that in the course of the next

ten or fifteen years we shall have hardy edible oranges.

Prof. S. A. Beach, of the New York experiment station, Geneva, spoke of some correlations between the size and specific gravity of the grape seed and its germination and the vigor of the resulting seedling. It was found that the seeds from large berries produced much the more vigorous seedlings than do seeds of the same size from small berries. Among seeds from berries of like size, the larger ones produced much the more vigorous seedlings and give by far the greatest percentage of germination. The smaller seeds do not germinate at all. Among seeds of the same size the denser ones give a much higher percentage of germination and produced more vigorous plants than do those less dense. Seeds of low specific gravity do not germinate at all, irrespective of size. Prof. Beach called special attention to the importance of using seeds of known parentage in investigations on the breeding of plants. In conformity with this point he used in those investigations only seeds from self-fertilized flowers.

V. A. Clark, also of the New York experiment station, Geneva, described a method of separating seeds into a series varying according to their density, using a series of uniformly varying salt solutions for this purpose. It was shown that in the cases of many seeds percentage of germination is quite definitely correlated with the specific gravity of the seed; also that with the larger part of agricultural plants the seeds of highest specific gravity produced the most vigorous plants. It was shown also that in these same cases the seeds of lowest specific gravity either do not germinate at all or else only scatteringly. Intermediate between seeds of low and of high specific gravity is a range in which seeds produce less vigorous plants. In the cases of many seeds these three ranges

can be somewhat definitely delimited. One practical application of the method promises to be the fixing with greater certainty the proportion of seeds which should be discarded in cleaning seeds with a fanning mill.

By the application of the method, the percentage of germination in a sample of low germinability, as in the case of egg plant seed, can be much increased. C.

Gloire de Lorraine at Southborough, Mass.

Plant growers can safely record as one of the lessons of the recent holidays that Lorraine begonia is still in its infancy so far as its sale as a holiday plant is concerned. The quantity that will be called for each year, as people come to realize its eminent qualifications as an easy and satisfactory house plant and as growers come to understand the knacks of special treatment necessary for its cultivation in quantity at popular prices, is certain far to surpass the present facilities for its production.

The accompanying illustration shows a house of Lorraine as grown in suspended baskets and pans by Alex. Ogg, gardener for J. Montgomery Sears at Southborough, Mass. The plant lends itself most gracefully to this manner of growth and, where a grower aims to make the most of his available space, bench room for other flowering and foliage stock is not encroached upon. Mr. Ogg took the cuttings from which these plants were grown, on May 1. The plants were shifted into 8-inch pans August 1 and put on shelves around the rose house in full sun facing the south. They were given liquid stimulant daily for three months and were then suspended from the sash bars in a temperature of 55° at night and 65° during the day. Out of three hundred plants, over one hundred measured thirty to thirty-six inches through, the rest measuring from twenty-four to thirty inches.



BEGONIA GLOIRE DE LORRAINE AT SOUTHBOROUGH, MASS.

Notes and Comments.

In a recent issue of our New York contemporary, under the head of "The Christening of a Rose," "Spectator" falls into error when he refers to The Puritan as of American origin. This is an error. Although the stock of this rose was first disseminated generally in America by the B. A. Elliott Company of Pittsburg, I believe the stock was purchased from C. F. Evans, of Rowlandville, Philadelphia, who had secured the original stock from the late Henry Bennett, of England, who is supposed to have been the raiser. I am not quite sure on this point, because I believe Mr. Bennett sometimes purchased seedling roses and sports for distribution which he had not raised. Meteor came from Mr. Bennett. It was understood at that time that it had been "thrown in" to Mr. Evans when some of his purchases were made from Mr. Bennett. Most persons who were identified with floriculture and horticulture about that time will recall the varieties raised by Mr. Bennett and which went through the hands of Mr. Evans, to-wit: William F. Bennett, Her Majesty, The Puritan, The Meteor, Mrs. John Laing, and possibly some others the names of which I cannot at this time recall. Her Majesty was disseminated jointly by C. F. Evans and Craig & Brother. (Robert and George Craig composed the firm at that time.) The other roses mentioned by "Spectator" as of American origin, The Bride, Bridesmaid and The Queen, are sports. The Bride and Bridesmaid were bud variations from the French rose Catherine Mermet. The Queen was a white sport from the pink variety, Souvenir d'un Ami. The Queen of Edgely, a pink sport from the darker colored American Beauty, is sometimes abbreviated into Queen, but more often it is called just Edgely, and should not the original name of American Beauty be Mme. Ferdinand Jamin and not Jamain? Some authorities so give it. If we would write history let it be accurate.

I am glad to see John Thorpe take to the peony arena. He could disentangle a lot of faulty nomenclature. His experience with the peony, dating back to before 1860, shows that his knowledge is not superficial but comes from the basement up. Mr. Thorpe's experience that a variety with a given number coming from Japan this year may not be the same variety next year will be echoed and re-echoed from many quarters of the globe. In the meantime let us get together and make a determined effort to straighten out these unsettled peony matters.

ANTS IN GREENHOUSES.

It is generally understood that ants do no injury to plant life in greenhouses, but they do something which is equally as bad if not worse. They protect and encourage the increase of insects which injure plants. So far as I have read entomologists, in referring to plant lice that the ants protect and secure food from, the aphides, I believe are meant; but in greenhouses it will be found that where these little ants are busy we will surely find either mealy bugs or scale insects on some of the plants near, which are not so easily gotten rid of as are the aphids. It is quite a difficult matter to get rid of ants in greenhouses when once they have secured a foothold. I saw a plan in operation at Mrs. G. B. Wilson's orchid growing establishment in West Philadelphia where Alphonse Pericat is superintendent, that for simplicity and effective-



LILIUM GIGANTEUM FROM SEED.

ness beat anything I had ever seen before. I noticed some vials here and there among the pots and on inquiry found they contained sweet oil and were used as traps to catch ants. There were very few of these industrious little insects in the vials because most of them had been already caught.

We have some ants in our greenhouses and I decided to try this simple remedy. We had no sweet oil, so tried olive oil in two small medicine bottles and in four or five hours I found thousands of these

insects in the two bottles, dead in the oil. So far as I know this is the least trouble and the most effective way of ridding a place of ants I have yet seen or heard of. Molasses might be equally as effective in place of the oil, but is not so readily handled.

CANNAS.

When looking through the trial grounds of H. A. Dreer, with J. D. Eisele last summer at Riverton, three of the orchid cannas were compared, namely, Pennsylvania, Miss Kate Gray and King Hum-

bert, and the last named variety seemed superior to either of the others. It would be interesting to know how the above compares with the impressions made by the same varieties under different climatic and different soil conditions.

EDWIN LONSDALE.

Lilium Giganteum From Seed.

The illustration on page 5 shows a flowering plant of *Lilium giganteum* from seed sown in 1891, the bulb flowering in 1902. Mr. Fischer, of the Boston park department, who raised it, says that it was at first planted in a sunny situation, where it did not thrive, but when transferred to a partially shady place it did very well. Mr. Fischer states that he found the bulb perfectly hardy at Boston, with a covering of leaves during winter. It grew to a height of six feet, but will probably attain a greater height under encouragement, as Nicholson gives the growth of this species as from four to ten feet. The seed requires a year in which to germinate.

British Trade Topics.

The traders on this side have now had time to make a retrospect. Comparisons with previous years are not favorable to 1903. The abnormal rain proved disastrous to all branches of horticulture; trade depression, following the South African war, made its impact felt. Retrenchment in many households meant the sacrifice of floral adornment, which comes under the heading of luxuries, with a resultant injury to the trade. There is no lack of activity in the preparation made to meet the demands of 1904. It may prove of interest if I allude to some of the novelties which are being introduced this year.

R. Veitch & Son, a leading West of England firm of nurserymen, besides adding to their list of vegetable seeds, have a new single petunia, Lord Courtenay, which is of a medium size, of a bright rosy pink, and has blooms which stand well. They also have a new gaillardia, Veitch's Compact strain—a useful perennial for bed or border—and a fine marguerite, The Shasta, a pure white bloom, borne on a lengthy stalk.

J. Cheal & Sons, of the Lowfield Nurseries, Crawley, Sussex, are noted exhibitors of dahlias, their singles being especially good. Their new introductions this year comprise the following singles: Princess of Wales—a good exhibition variety, with finely formed blooms of a delicate soft pink, shaded with mauve—and Darkness, a rich dark, maroon crimson, which has received an award of merit from the Royal Horticultural Society. Among the cactus section Queen is likely to be popular. This is of an attractive primrose yellow, shading off to pink at the florets.

W. J. Godfrey, of the Nurseries, Exmouth, who has won numerous honors at the autumn shows, has several new chrysanthemums of his own raising. These comprise Devonshire Hero, rich golden-yellow; Geo. W. Matthew, soft amber-yellow, with a base of cinnamon-red; and The Captain, deep crimson, with a bronze reverse.

The seedsmen, as usual, are well to the fore in offering their latest introductions. Harrison & Sons, of Leicester, have a tomato, with the original title, Just-the-thing—a cross between Holmes' Supreme and Dobbies' Champion. Chas. Sharpe & Company, Ltd., of Heaford, Lincolnshire, have a new manicrop pea, Sharpe's Aris-

tocrat, and an improved monarch pea which have received awards from the Royal Horticultural Society. Cooper, Taber & Company of 90 Southwark street, London, have a new pea, Rivenhall Wonder, which is an improvement on Witham Wonder, but owing to the excessive dampness last year the crop was seriously damaged, and it has been found impossible to supply any seed. The firm will put down a large acreage this year to satisfy the many demands which have been received. Sutton & Sons, the king's seedsmen, Reading, are making a leading line of their new late potato, Discovery, the result of a cross made at their trial grounds in 1898. Trials made have shown the tuber to possess exceptional cropping and disease resisting powers, and it has been in great demand at 15 shillings a pound. W. W. Johnson & Son, Ltd., of Boston, Lincolnshire, have placed on the market six new sweet peas which will prove a valuable addition to this increasingly popular subject.

The year 1903 will be noteworthy for the record prices made for seed potatoes of new varieties. Sales were actually effected at figures which turned out to be three times the weight of the tubers in gold. The wide-spread loss caused by the virulent disease among the potatoes has emphasized the need of securing a disease-resisting tuber to take the places of some of the old, worn-out sorts. From the first introduction into commerce Northern Star has made good prices. A member of the firm of Isaac Poad & Sons, seed merchants, York, to-day told me they have made trials of this variety and it yielded from fifteen to twenty tons an acre, besides being a splendid disease resister. Alexander Findlay, a Scotch raiser, has scored another triumph with this potato. He has another new one, El Dorado, which has made sensational prices. In fact these have eclipsed all other prices paid for the humble tuber. At the Smithfield show in London in December, several pounds of El Dorado were sold at £150 a pound. Since then Poad & Sons and E. W. King & Sons of Coggeshall, have obtained £160 per pound for the tuber. Mr. Findlay holds forty-two cwts. of this precious potato which he is keeping for planting this year, and two of his friends have eleven pounds. Orders are being booked for supplying the seed in 1905, and high prices are ruling. El Dorado has the same parents as Northern Star, Victoria and Dan. Victoria was one parent of Champion, Magnum Bonum and many others brought into commerce in the last thirty years. The tubers are more kidney shaped than Northern Star. The flesh is white and the flavor by an expert is described as of "a full chestnut flavor." It stood the trials well last season, establishing its claim to be a thorough disease-resister.

That greater attention is being paid to potato raising in great Britain is attested by the formation of a National Potato Society. It is intended to organize trials to ascertain the best varieties, and these experiments will be kept free from any trade influence. An advisory committee of trade members will, however, deal with any commercial questions which may arise. Lord Rosebery, as a farmer, not as a politician, was elected president.

My closing note must be a mournful one, for I have to record with sincere regret the demise of two leading men in the horticultural world whose careers have ended while they were still in active

manhood. I refer to J. C. Fidler and W. Horne. Mr. Fidler was the head of an important seed warehouse at Reading. For many years he devoted attention to the raising of new varieties, and he brought out several manicrop sorts which became popular and profitable. He built up an immense home and colonial trade. The average out-put of potatoes from November to April, including seed and ware, is about 300 tons a week. The South African market has been extensively supplied by the firm. Mr. Horne was the head of the firm of Horne & Sons, nurserymen and fruit growers, of Cliffe, near Rochester. Mr. Horne was a specialist in dealing with orchard pests, and he introduced the Charles Ross apple and other well known fruits. From his farm and nurseries of 250 acres fruit trees were sent to America, Canada, New Zealand, and in fact all parts of the world. An auction sale was held twice a year, when thousands of trees were distributed.

A Discussion on the Sparrow.

At the Farmers' Institute meeting in Philadelphia, January 19, a discussion arose on the sparrow. Professor Menges voiced the popular feeling of aversion and blamed the sparrow for being noisy, dirty, pugnacious, and over prolific. He accused him of eating grain instead of weeds and insects, of driving other and more useful birds away from the haunts of men. In short, he had nothing good to say of the sparrow.

G. C. Watson tried to put in a word on the other side of the question and mentioned that W. N. Craig before the Gardeners' and Florists' Club of Boston some five years ago had stated that from personal observation he knew sparrows destroyed immense numbers of tussock moths, gooseberry and currant worms, cabbage worms, grubs of various sorts, larvae of canker-worm and green aphid. He said he had numberless times examined the crops of young nestlings and found them in nearly all cases filled with insects. In answer to the claim that they destroy the buds on our fruit and shade trees he said he had made close observation in his home city, a place of 30,000 inhabitants, where sparrows swarmed and he had failed to find any evidence of the destruction claimed.

The same authority wrote Mr. Watson under date of January 18, 1904, that he had seen no cause to change his opinion of the sparrow's usefulness. He said it was being charged that the sparrow was driving away other song birds from the towns but he was quite sure that electric cars and other noisy vehicles were the real culprits in driving the more timid song-birds to solitary surroundings. He referred to the original object in introducing the sparrow to America, namely to abate the canker-worm pest. He succeeded well but the howl went up when the useful little fellow showed a natural desire for a change from the everlasting hairy caterpillar to an occasional meal of fruit or grain.

Other testimony introduced by Mr. Watson was that of Prof. John Craig, of Cornell University, who wrote under date of January 15, that in his opinion an impartial jury after weighing the findings for and against the sparrow would have to declare in his favor. He did not believe the sparrow was multiplying out of proportion in the older parts of the country. The domains of this bird are gradually widening but in the regions of his first visitations Prof. Craig had not observed that there were more than there

were a few years ago. Dr. Reed, of the zoological department of Cornell agreed with Professor Craig. Dr. Reed is a close observer of birds and his opinion in this matter ought to be considered of great weight. GEO. C. WATSON.

Sweet Peas.*

[Paper by Percy Waterer, presented at Dalwich, Eng., January 19, 1904.]

Although most of the papilionaceous flowers are adapted to cross-fertilization, the sweet pea invariably fertilizes itself. Hence had not the specialists for years been artificially crossing it, we should have had very few varieties to-day. In fact, it had taken something like 180 years for the two or three kinds which were introduced about the year 1700 to increase to the six or seven varieties that were known in the year 1879, when, I believe, Mr. Eckford first began to interest himself in them. Some years later Mr. Burpee, of Philadelphia, introduced many of the Eckford varieties into America, where sweet pea growing has since become a great industry.

The success of the bi-centenary exhibition in 1900, was so encouraging that we now have many nurserymen giving special attention to producing new varieties, and improving existing ones. They are doing most valuable work, for it is this continual crossing and selecting, which has not only produced the bewildering number of shades of color we now have, but has also greatly increased the vigor of the plant, the texture and size of the flower, and has also been the means of making the plant more productive of bloom.

Many believe that the sweet pea has been brought to such perfection that there is scarcely any room left for further improvement. This was the opinion expressed by several members of the bi-centenary committee, when it was suggested that a national society should be formed to encourage and improve the cultivation of this popular flower. I doubt if a society would ever have been started had I not convened a meeting for that purpose, as it was in consequence of that meeting, the bi-centenary committee formed the present society. There is no doubt that the National Sweet Pea Society would be more popular were the amateur better represented. The last show held at Earl's Court was far in advance of the two previous exhibitions, although at the same time very badly attended.

Though many people may think the sweet pea too insignificant a flower to need a national society to look after its interests, yet it is more than probable that many have never seen it in its present high state of cultivation, and can therefore have no idea of the wonders that will probably be revealed in its advancement during the next few years. At present its chief qualities are fragrance, variety of color, length of stem, abundance of bloom, lightness, gracefulness and cheapness. It also travels well, lasts well, can be made to grow in almost any soil or situation, and flowers for months. Notwithstanding all these qualifications, there is plenty of room for improvement in form, variety of form, staying properties in the color, and further fixing.

There are already two good forms, the hoed upright standard of Black Knight, and the hooded standard and wings of which Lady Grisel Hamilton is a good example. Then we have every degree of hooding between these two, which to my mind is not desirable. There are also the erect and reflexing standard, of which Countess Spencer is an example, and one or two varieties which are picotee edged. I hope to see in the near future such an improvement in these that they may need a class to themselves. There was one variety named Snapdragon, sent out by a firm in Philadelphia, very much resembling that familiar flower, and having for its chief quality a long, stout stem, but the trade here took a dislike to it. I admit that it was not an acquisition as presented.

*While there is much information in this paper of interest to all readers, it should be remembered that the cultural directions refer to the English climate.—Ed.

but with constant perseverance it might have resulted in a new type. Some varieties have a tendency to become double, but I think in this respect they are like the cineraria; the flowers lose their charm and will therefore never become popular.

When the Cupid, or dwarf variety, was first introduced, it was disliked on account of the shedding of its buds. I think this defect was caused by over-watering, for coming from the hot, dry climate of California, where it was produced, it required less moisture, and the fact that it does exceedingly well upon rockwork goes far to prove this. It is grown much more freely in America than here, can now be had in almost any shade of color, and will no doubt in time become popular. Again we have the bush variety, which is a cross between the old style and Cupid. When this class is more improved and there is a greater variety of color, it will be very welcome to those who experience a difficulty in procuring the tall boughs now necessary [in training].

As regards the improvement of form, the wings should overlap the keel, forming a conical center to the flower. This would not only improve its appearance, but be a further protection to the pollen, and consequently there would be less risk of the variety getting accidentally crossed. As to other forms, they might be fimbriated, scalloped, crested and hirsute. Too much importance has been given to the question of more flowers being produced upon a single stem. Even now in the case of fours sometimes, either the first bloom is over or the top one is not fully developed. Where a decorative effect is wanted a few buds can always be added.

I do not propose to enter into all the little details of cultivation, as most of these are known to you, and if not they may be found in the catalogues of the sweet pea specialists, but I certainly recommend early planting, as it is so necessary that the plants should take good hold of the ground before making vine, and they will only do so in cool weather. I find from notes taken last year, that my plants only grew two inches between April 20 and May 25, when they were only six inches high, but all that time they were making root. We were then favored with some good growing weather, and by June 1 they measured 13½ inches; by the 7th, 22½ inches; and by the 15th, 28½ inches, thus having grown 22½ inches in twenty-one days, and making vine in some cases three-fourths of an inch broad. They would not have made this rapid, strong growth had they not been thoroughly well rooted.

It is very essential that the ground should be deeply trenched, and this should be done some time before planting in order that it may settle down firmly. Many make a rule of changing the ground each year, but I think it is quite unnecessary. When I paid a visit to the best known sweet pea nurseryman in 1900, I found the peas had been grown for years upon the same ground, his plan being to alter the position of the rows, and their direction each season, so that with the exception of a very small percentage the plants did not occupy the same spot but once in four years.

Again when I was in the Midlands last year, I was invited to look over the sweet pea farm of a very successful nurseryman, and was astonished by his stating that he had planted some of the peas as nearly as possible upon the same spot they had occupied the year previous. His opinion is that the germs or bacteria which feed the roots directly with nitrogen are already in the soil prepared to go on with their work, it only being necessary to replace the phosphates, potash, etc., that the previous crop had consumed. I can only add that the plants gave excellent results, bearing some of the finest blooms I have seen during the past season. It is of course very necessary to change the seed occasionally when growing upon the same ground.

The hoe is far superior to the watering pot; it lets the air and warmth into the soil and also keeps the moisture that is there from evaporating. If the surface is constantly hoed very little watering at the roots will be required in an ordinary season, but the plants will be greatly benefited by syringing over the foliage on warm nights when there is

an absence of dew. In a dry season the sweet pea can be grown to a greater state of perfection if the plants are six or eight inches below the surface, the fertilizing manures being well below that. They should be gradually earthed up until the surface is nearly level, using the top spit, which should be free from manures, as a mulch. We are often told that the pea makes a very shallow root, but in 1901—which was an exceptionally favorable season—I found the roots had gone down as far as the ground had been trenched, that being a good three feet. In wet seasons the plants do better nearer the surface as the bacteria do not work at any depth in cold wet soil.

The cause of the seed not germinating is sometimes attributable to its being sown too deep in heavy wet ground. Another cause of failure is owing to the incrustation of the soil, the young seedling having insufficient strength to push its way through. Natural manures are preferable to artificial, especially in a liquid form, when the plants are making rapid growth. Nitrate of soda given very sparingly as soon as the plants show through will greatly benefit them, but it should not be used in cold, wet weather.

The following are the best varieties in the order given:

White—Dorothy Eckford, Blanche Burpee, Sadie Burpee.
Pale yellow—Hon. Mrs. Kenyon, Lady Ormsby Gore, Mrs. Eckford.
Orange—Miss Willmott, Lady Marie Currie, Gorgeous.
Blush—Duchess of Sutherland.
Pink—Prima Donna, Lovely, Countess of Lathom.
Scarlet—Scarlet Gem (new).
Crimson—King Edward VII, Salopian, Mars.
Cerule—Coccinea.
Rose or carmine—Lord Rosebery, Prince of Wales, Lord Kenyon, Her Majesty.
Claret—Duke of Westminster, Duke of Clarence.
Magenta—Captivation, Calypso.
Maroon—Black Knight, Othello.
Blue—Navy Blue, Captain of the Blues, Emily Eckford.
Mauve—Dorothy Tennant, Admiration.
Lavender—Lady Grisel Hamilton, Countess of Radnor, Lady Nina Balfour.
Bicolor—Triumph, Prince Edward of York, Jennie Gordon.
Striped or flaked—America, Gaiety, Senator, Mrs. Chamberlain.
Fancy—Lottie Hutchins, Gracie Greenwood.

Picotee edged—Maid of Honor, Lottie Eckford, Golden Gate.

Sadie Burpee is a hooded variety, and therefore should not be exhibited under that name with an erect standard, as I have often seen it shown. Scarlet Gem is a great acquisition, it being very much nearer the color its name implies than anything yet sent out, but it may not find favor with a few faddists, as at present it only bears two flowers upon a stem, although, for my part, I prefer two good flowers to four poor ones. Gorgeous must be shaded, otherwise the flowers soon scorch. My variety of Navy Blue is grown from seed I obtained direct from America in 1899, when it was first sent out, and is very superior to that generally grown in this country.

The best eighteen varieties that have been well established are:

Dorothy Eckford, Hon. Mrs. Kenyon, Navy Blue, Dorothy Tennant, Prince of Wales, Lord Kenyon, Blanche Burpee, Prima Donna or Lovely, Lady Grisel Hamilton, Miss Willmott, Triumph, Salopian, King Edward VII, Coccinea, Black Knight, Lord Rosebery, Prince Edward of York, America.

If a striped one is not required, grow Captain of the Blues, or Bolton's Pink, instead of America. Countess Spencer and Mrs. Knights Smith are two new varieties of exceptional merit that will be sent out this year, and should be grown by all. Robert Bolton, Werton, Carnforth and Marchioness of Cholmondeley are four varieties I saw shown last year, and they seemed to me to promise well.

My plan is to sow the seeds in pots the first week in February in a cold house, excluding frost, and placing five seeds in a 6-inch. I then remove them to a cold frame about the first week in March, and place a few twigs in the pots to keep the plants erect. After the first week in April, as soon as the ground is in good condition, I plant them out in

the open. Under this treatment they generally show the first buds about the beginning of June. I think these dates are roughly right for my district, as self-sown seed comes to bud just about that time in an ordinary season, but mine is a particularly cold and late situation.

In favorable positions seed may be sown in the open ground late in the autumn, and if they escape the slugs the plants will be very strong, and give a greater quantity of blooms. Ten to twenty degrees of frost in the winter does not injure them. The sweet pea under good cultivation has very few enemies. The slug is troublesome in the early stage, and sometimes the tomtit attacks the flowers and seed pods. I have known it to strip off one side of the pod and take the center of each seed almost as soon as they were formed. Aphid is rarely seen upon healthy plants, but after a spell of unseasonable weather, a washing with some insecticide is advisable as soon as the conditions for growing are again favorable. Some growers have been complaining of a fungus disease called *Ascochyta* pest, or pea spot, which most likely is caused by overwatering and sourness of the soil.

One of the most perplexing problems, in regard to sweet peas, is their not coming true, and this is much more prevalent in the newer varieties. The reason may be that as they have now become so popular, and the demand for new varieties is so much greater, they are sent out before they have had time to become properly fixed. I say this because I find that seeds sent out by the same firm come true in some gardens, and quite the reverse in others, and I conclude that where they come true the conditions happened to be much the same as existed where the seed was produced. This, however, will never be corrected while the present competition exists, and new varieties are sent out at such ridiculously low prices in comparison to the vast amount of skill and patience needed in raising them. To some extent it may be accounted for by the tomtit tearing the buds open and exposing the pistil, or it is possible that a variety of bee—*Bombus muscorum*—is more prevalent now than formerly. I saw it busily at work upon two occasions, once in 1901 and again in 1902, both days being very hot and bright.

The great naturalist, Charles Darwin, mentions this bee under the heading *Plum sativum*. He says: "I have observed the flowers for the last thirty years, and in all this time have only thrice seen bees of the proper kind at work (one of them being *Bombus muscorum*), such as were sufficiently powerful to depress the keel, so as to get the undersides of their bodies dusted with pollen. These bees visited several flowers, and could hardly have failed to cross-fertilize them. Hive bees and other small kinds sometimes collect pollen from old and already fertilized flowers, but this is of no account. The rarity of the visits of efficient bees to this exotic plant is, I believe, the chief cause of the varieties so seldom intercrossing."

W. Early, in *Nature*, 1872, states he once saw a bee visiting the flowers of *Lathyrus odoratus* and supposed that on that occasion they would be intercrossed. The bee (*Bombus muscorum*) alights upon the keel in such a position that in pressing it down the hairy side of the style—that is, the left side as you look at the flower—always comes in contact with its body whilst in the act of extracting the nectar from the base of the wings. I have seen many other varieties of bees, including the bumble bee, taking nectar, but they always work between the wing and the standard, and are quite impartial as to which side they enter.

The production of improved varieties and new forms must remain largely in the hands of the trade, but there may be a few amateurs enthusiastic enough to work at it, in which case it would be better to work by selection rather than by hybridizing, unless they have plenty of space at their disposal, as a large number of trials are necessary. There are advantages and disadvantages in hybridizing and crossing sweet peas as compared with other plants. For instance, a new chrysanthemum, once obtained, can be increased by bud propagation without further trouble; but the sweet

pea, being an annual, and therefore only capable of reproduction by seed, requires to be grown some years under the same conditions until it becomes fixed. When this has once been attained, it has an advantage over many other annuals on account of its being a plant that is self-fertilizing and resists cross-fertilizing. It is also capable of reproducing itself for many years without the least deterioration, whereas the chrysanthemum is very often impaired in quality and constitution in a few years. As an instance of this, that glorious variety, Sunflower—sent out in 1888—ceased to exist some years ago. Therefore, those who give their time to improving sweet peas have the satisfaction of knowing that although their work takes much longer to complete, the result of their labor will long outlive the work of bud propagation.

The following few examples will show how necessary it is to fix a variety before it is sent out. On August 4, 1901, I crossed *Coccinea* with *Salopian* (*Coccinea* being the seed-bearing plant), and produced an improved *Prince of Wales*, which I showed, amongst others, at the Drill Hall, July 8, 1902. Out of five seeds sown of this variety I got—in 1903—an improved *Coccinea*, finer in flower, and much more robust in habit than the original has ever grown with me. The other four plants came true, but not so good as in the previous year. I also crossed on the same date *Firefly* with *Sadie Burpee*, the result being a fine, bold flower, good, erect standard, and long, stout stem. The color, however, was not good, it being dull purple, with a much darker purple edge. The seed was black, and I exhibited the flower at Holland Park, July 25, 1902. Three—AM. FLORIST.

Greenlee Out of three seeds of this variety two came true, and one a perfect white *Firefly*, having the reflexed standard and short stem characteristic of that variety, but taking the color of *Sadie Burpee* both in the flower and seed. The seed changed to fawn, or, as it is called in the trade, white. On July 21, 1901, I crossed *Othello* with *Royal Rose*, which resulted in a flower between *Duke of Westminster* and *Black Knight*, and it was from this variety that I raised the scarlet one shown at the Temple last year. Again *Duke of Westminster* crossed with *Miss Wilmott* gave an Improved *Duke of Westminster* in 1902, but resulted in 1903 in three shades of pink.

A large number of crosses result in shades of purple, and many others result, after the second generation, in anything and everything but a resemblance to either of their grandparents or the first offspring. Yet in some instances the seed has always come true each year, but until they have been grown upon the same ground for six or seven years, I doubt if they would do so grown elsewhere and under other conditions. As the anthers of the sweet pea shed their pollen before the flower expands, it is necessary to emasculate the female, or seed-bearing parent, just before the pollen is free. I have found the stigma in the best stage to take the pollen of the male parent two days later. The work of hybridizing and crossing should be done under glass, otherwise the operator must be prepared for a large number of failures, especially in a season such as we have just experienced.

It is curious that although the pods set so much more freely under glass, yet, so far as my experience shows, the seed lacks the germinating power of that grown outside. It is possible that this is owing to the seed being overripe. In a trial of sixty seeds in twenty varieties harvested under glass and sown November 22, 1902, only thirty-five had germinated December 13, whereas of sixty seeds in twenty varieties harvested outside—and in such an unfavorable season—and sown upon the same date, fifty-five had germinated December 13, that being three weeks in each case. Another trial upon the same dates of 1902 and 1903 seed resulted in twenty-nine seeds germinating out of thirty in each case. This tends to show that the germinating powers were not impaired by keeping. A fortnight later I made a trial of 1901 seed, raising twenty-eight plants out of thirty seeds, but I think the seed requires to be kept in a very dry place with an even temperature, or the result will be otherwise.

It is a mistake always to select the largest seed, as I have found that small and medium sized seed germinate better and gives just as good results as exceptionally fine seed in point of size. Minute,

deformed seed often germinate freely, although the plants are usually very weak to start with, and it is quite possible that amongst these may be found the improvement that is wanted.

Now, in conclusion, remember—
The deeper you trench,
The finer the pea;
The thinner you sow,
The stronger they'll be.
Keep using the hoe,
And take it from me:
The more blossom out,
The more you will see.

THE RETAIL TRADE

A Cleveland Wedding Decoration.

In the decorations for the Tod-McBride nuptials at St. Paul's church, Cleveland, January 14, Easter lilies and American Beauty roses were used. On each side of the altar were tall banks of palms, and back of these large electric lights (such as are used on suburban cars). Intermingled with the palms were tall standards, showered with Easter lilies. The light through the palms was beautiful. Windows in the altar were banked with Easter lilies. On each side of the church were tall trees of American Beauty. Seventy-five extra lights were put in the chandeliers, and all of these were beautifully showered with Easter lilies and American Beauties. The decoration was planned and executed by Mr. Smith, of Smith & Fetters.

Hints on House Decoration.

In a house decoration the most impressive effects are produced by confining a distinct color to each room, and if the individuality can be carried still further and special features of form and character be followed as well, the result will be excellent. Schemes of decoration depend for their success very much on individual taste and feeling. The style of architecture and furniture of a room, the colors and figures in floor coverings and wall paper and other accessories will be carefully noted by the intelligent florist, and it will be his special endeavor to make his work harmonious with these surroundings. The old style of loading a room with flowers of promiscuous colors was, perhaps, in keeping with the stage of development which the art of floral adornment had reached at the time, but there is, to-day, no room for the florist who is not capable of better things.

Some customers come to the surface, occasionally, who insist on the florist's doing absurd things and tell you, in response to your polite protest, that if you cannot do it there are others who can. Fortunately, however, this class is not so often met with as formerly and the cases are infrequent where a lady cannot be induced to accord with the florist's views in regard to effects, provided he is able to explain them in a refined and intelligent manner.

To make a beautiful mantel decoration, cut a board the size of the mantel and mound it up with moss the day before it is to be used. A strip of rubber cloth under and behind it will prevent any possibility of damage from dampness or otherwise. Small glass vases can be concealed in the moss for the reception of such cut flowers as are to be used, and the dressing of the bank with small ferns and other plants, plunged in the moss, out of pots, is the work of but a few minutes for a clever workman.

A word about the helpers. The manners and appearance of the employes

whom you have as assistants in carrying plants and similar work in connection with a decorative job should not be overlooked. Have the men leave their pipes at home. It may seem absurd to some that such advice should be printed, but it is inspired by experience, that "best of all teachers."

New York.

While a little improvement can be discerned in the cut flower trade it is still true the volume of business is not what it should be at this season, especially considering that it is a short season. On some few things values have braced up slightly, but on the general list there is not much advancement. Some lines sell out a little closer than they did during the early part of the month. Among the noticeably good flowers offered are Rosa Mundi tulips at Traendly & Schenck's and Raynor's and Liberty roses with stems three to four feet long at Young & Nugent's. Frank Millang finds the Bertha Rath one of the most popular of white carnations. Henry Rath, who raised it, sells no cuttings, simply raising enough to stock his own houses. White lilac of splendid quality is abundant. Some of the double varieties are exceedingly fine and bring good prices. Of bulbous stock such as Trumpet major narcissus, campernelles, tulips and lily of the valley there is an over-supply and much unsold material of this class as well as of violets is held from day to day in wholesalers' hands.

A few blooms of F. R. Pierson's new crimson carnation Daheim have been seen here. It is a remarkably fine flower, the blooms splendidly built up and in size and sturdiness of flower and stem might not unworthily be called a crimson Lawson. The color—crimson slightly shaded with maroon—is very brilliant in both sunlight and artificial light and the flowers have demonstrated excellent keeping qualities. The growers say that one of its best points is the rapidity with which the buds develop on the plant. It is to be introduced this spring and promises to be to the crimson class what Lawson is in dark pink and Enchantress in light pink.

Besides carnation night February 8 will be ladies' night at the New York Florists' Club. Mazzetti, the caterer, has been ordered to look out for the ladies. Judging from the number of entries already received from exhibitors it will be a great affair. All members are invited to bring their lady friends and anybody else interested in flowers. Among the many entries already received for the carnation exhibition are those of the Chicago Carnation Company and the J. D. Thompson Carnation Company, of Joliet, Ill. Peter Fisher, of Ellis, Mass., is expected to read a paper.

Siebrecht & Son furnished a fine decoration last week at the A. P. Stokes mansion. There were twenty tables to accommodate 125 guests. The main table, fifteen feet in diameter, and the others, each five feet, were adorned with cactleyas, lœlias and phalœnopses. The ball room was decorated exclusively with American Beauty, the morning room Bridesmaid, the parlor with Bride and the red room with Liberty roses.

Simon Rodh, the ribbon expert, 40 West Twenty-eighth street, reports a largely augmented business this season. Mr. Rodh's cleverness in matching the exact tints of flowers in general use and the fidelity with which florists' tastes in



DECORATIONS AT THE TOD-McBRIDE WEDDING, CLEVELAND, O.

this line are adhered to are his strong points.

A. J. Scott, son of the well-known grower of West Brighton, Staten Island, met with a serious coasting accident, being badly injured about the head. The entire party of coasters, fifteen in number, was thrown from the sled and all were more or less badly hurt.

Theodore Paltz, an aged florist of East New York, was found dead in his shanty on New Lots avenue January 20. He lived alone and was regarded as eccentric.

George Vocke, an old Astoria grower, has given up business and taken charge of some greenhouses for Admiral Rogers at the Navy Yard.

Percy Richter, salesman for the E. G. Asmussen estate, has been seriously ill at his home in Elizabeth but is now reported as recovering.

Gustav C. C. Schrader of Elmhurst is an enthusiastic automobilist. He takes a daily spin on Hoffman boulevard with his family.

A. S. Burns, Jr., of Spring Valley, is sending to Raynor some Enchantress carnations of remarkable quality.

P. Watson, of Orange, is bringing to the market some roses of very superior quality.

Visitors: Jac. M. Jansen, Hillegom, Holland; George Hannan, Forest Hills, Boston; Carl Jurgens, Newport, R. I.; F. R. Mathison, Waltham, Mass.

Chicago.

The second consignment of arctic weather was delivered this week, just as if the growers and shippers did not have enough conspiring forces to contend with. Practically no stock came into

the market Monday and it was not until Tuesday that the slightest trace of activity was instilled into the market. The week has not been a good one from the dealer's point of view. Curtailed receipts in the better grades of all cut flowers, indifferent quality, unsatisfactory prices and a general apathetic condition in the ranks of the buyers in the country and city is a quad of forces in fatal conspiracy which keep the wholesalers figuring pretty hard these days. There was quite a brisk carnation movement on during the middle of the week, induced by the McKinley carnation day. The heaviest calls came from the Buckeye state, and red was the much desired color. But the movement was short-lived and the carnation situation hardly shows a perceptible improvement over that of last week. Roses have not been doing so badly. The top notch grade of Beauty are at a premium, but the lesser grades do not find much favor with the buyer. Bulbous stock persistently remains a surfeit, and from the looks of the stock constantly jamming itself into the market no one is able to discern a rift in the clouds. Nice tulips are coming in but prices are not half way respectable say the dealers. The week has been of the spasmodic order, some days bringing a brisk movement, others nothing doing. In spite of the comparative quiet, some wholesalers report a satisfactory shipping business. The cut flower business locally promises to open up soon, the effects of the Iroquois fire, etc., having run their course.

The second district meeting of the Florists' Club was held, according to schedule, on the west side, January 28. There was a good attendance and those present showed much interest in the pro-

ceedings. Melville G. Holding, of the Sprague-Smith Company, presented an instructive paper on "Greenhouse Glass," and replied in a very practical manner to numerous questions on the subject. Mr. Young, who was to have read a paper on "Pipes and Fittings," was unable to be present owing to illness. C. B. Read made a few remarks on "Paints, Oils and Putty," and John Thorpe gave a short address. On conclusion of business, supper was served. An exhibition of carnations, roses, violets and bulbous stock will be held February 17, and premiums will be awarded to the amount of \$100. Varieties already awarded prizes this season will not be entitled to premiums at this exhibition. P. J. Hauswirth has been appointed manager, and the exhibits should be addressed to F. F. Benthley, 35 Randolph street, Chicago, all charges prepaid.

It takes more than one severe winter season to teach many shippers the proper manner to pack flowers for long distance shipping, with the mercury hiding in the bulb. A number of important carnation and violet shipments reached this market in a frozen state the early part of the week. Some were lightly packed in paper boxes. A few additional layers of newspapers will save many a dollar these cold days.

The Chicago Carnation Company, of Joliet, Ill., exhibited a number of leading carnations at the Flower Market Saturday afternoon, January 23. In the display were fine blooms of the prize winner, Fiancee, Dorothy Whitney, Harlowarden, Crusader and Reliance. Manager James Hartshorne was here also, booking cutting orders.

Wm. R. Mannheimer, aged 23, a son of Julius Mannheimer, of 3812 Prairie avenue, committed suicide this week at St. Louis. He left Chicago about a week ago, saying that he was going to Memphis, Tenn., to secure work. He was at one time an employe of John Mangel, and was well known by local florists.

Leonard Kill wears a bandage on his hand, the memento of last Monday evening's bowling seance. L. forgot the key to his residence, and in executing the step-ladder stunt to the transom he fell, spraining his good right arm.

George Scott, with the E. F. Winterson Company, is another example of the versatility of florists. In a match ice skating race with Wineberg, a prominent local professional, this week, he emerged a good second.

The George Wittbold Company has added some bulbous stock to the stock in the Flower Growers' Market. Everything in this line is exceptionally well grown.

The E. F. Winterson Company reports a brisk shipping business the fore part of the week. Some remarkably well grown freesias with long stems were seen here this week.

The Chicago factory and warehouse of the Pittsburg Plate Glass Company was totally destroyed by fire Friday night, Jan. 22. The loss is estimated at \$175,000.

Fire broke out in the Masonic Temple January 23. T. D. Mosconesotes, the State street retailer, sustained losses to the extent of about \$100.

A. H. Schneider will erect a range of greenhouses in Concordia cemetery this spring. He has leased about ten acres of land for that purpose.

Poehlmann Brothers Company is handling a fine line of American Beauty roses. Their Bride and Bridesmaid are in good crop.

Mrs. Alex. Newett, wife of the wide-awake manager at J. B. Deamud's, has been quite ill for several weeks.

Charles Kronenberger, of Peter Reinberg's greenhouses, was married Tuesday to Miss Blanche Smith.

John Thorpe was called to La Crosse, Wis., January 27, for consultation in some important public park work.

E. C. Amling enjoyed a good business this week, notwithstanding the adverse weather conditions.

Fred. Kingel, of Peter Reinberg's, is again at his desk after several weeks' illness.

Benthley & Company are now prepared to meet a heavy cutting rush in all lines.

A visitor this week was J. Stern, of Philadelphia, Pa.

Philadelphia.

Good roses are scarce, very scarce, and poor ones, too, and one has to be on the spot when the boxes are opened these mornings if his orders are to be anything like filled. Most of the growers say their houses are off crop, and this with the dull weather is blamed for the scarcity. Supply seems to keep pace with the demand, however, for there is but little doing, the social season being the lightest in several years. Beauty has been particularly scarce, and commission men find it hard to get half enough to fill shipping orders. S. S. Pennock had an order for two hundred specials one day this week. Liberty is also much in demand. Meteor, which held the lead so long, now makes a sorry showing against its younger rival, as there are so many dark and ball-headed flowers that are not saleable. But a rose that stands the pace for ten years is a good one, and Meteor will not soon be forgotten. Violets are more plentiful, the Californias coming in well and all other kinds in larger quantities. Sweet peas are now constantly in stock and welcome, particularly the white ones in funeral work. Mignonette is at its best. Tulips can be had in all colors and daffodils are seen in quantity, but all single. No doubles as yet.

L. K. Peacock is building three large greenhouses and a propagating house and putting in a 60 horse power boiler at his Atco, N. J., place. One hundred and twenty acres of dahlias, planted closer, is to be the extent of his garden next summer, an increase of some forty acres.

Robert Scott & Son are sending fine gardenias to S. S. Pennock. The stock at the nursery looks fine and there will be a good supply until after Easter. Fifty cents each is the price, and they are cleared up every day.

The field day at Horticultural hall last week was like the play of Hamlet with the chief actor left out, as Chief Lonsdale was unable to be present, being kept indoors by a bad cold.

George Anderson is cutting some choice Beauty and Liberty. His Easter lilies are still in 3-inch pots with shoots only two to three inches high, but he is confident of success.

Jacob D. Eisele's oldest daughter has been very ill with typhoid fever but is now on the way to recovery.

Leo Niessen reports a fine shipping trade. His special Bridesmaid and Liberty are fine.

Hustling John MacIntire, of Ed. Reid's staff, is on the sick list. K.

COLUMBUS, O.—E. Metzmaier has a fine white sport of the Lawson carnation, which he expects to propagate and grow extensively.

Washington.

There is a steady demand for good stock in orchids, roses, valley and tulips, all of which enter largely into decorations for dinners and similar events. Roses are generally off crop and prices are firm, American Beauty in special instances going to \$15 per dozen. First-class Liberty have sold for \$12 per dozen in some instances, Bride and Bridesmaid from \$2 to \$4 per dozen. A few gardenias are on the market at \$1 each. Tulips are in demand and retail at fifty to seventy-five cents per dozen. A few single daffodils have appeared at \$1.25 per dozen. Violets are more plentiful and of better quality than a month ago. Louis Loose and J. R. Freeman are now showing good violets grown at their respective ranges, and all the dealers have good stocks which, on account of the mild weather of the past week, have sold well.

The visitors to the botanical gardens can find many flowering novelties that are worthy of mention. In one of the houses a Bougainvillæa speciosa, now in full bloom, has been trained along overhead tile. It is now the full length of the house, about seventy-five feet. As it seems to be growing fast it will now have to "double." The purple and white flowers of the Franciscea latifolia are also very pretty, peeping out from among the tall palms and pausies. Superintendent Smith has a large collection of orchids, a house of roses and other plants in great variety.

In the store of a local dealer I recently noticed a bunch of Fair Maid, a light pink carnation, sent out several years by Albert Roper, of Tewkesbury, Mass. It is a free bloomer and good keeper and deserves a place among the better varieties.

John Brown is growing fine carnation stock. His Prosperity, Lawson, Cressbrook and other varieties have all the points of good carnations. S. E.

Pittsburg.

Fears of a record-breaking flood did not materialize after the few days' thaw, yet it was near enough to warrant alarming predictions. The passing of the tremendous accumulations of ice was a spectacular sight. No loss is reported by the firms whose cellars were invaded by water, which included Breitenstein & Flemm, L. I. Neff, Pittsburg Cut Flower Company, Mrs. Williams, Geddes & Blind Brothers and W. C. Beckert. The Pittsburg Rose and Carnation Company was unable to ship its stock to the city January 23, as the railroad was under water. J. L. Wyland could not ship by rail last Saturday, but made his delivery by wagon. On the return trip home his horse dropped dead.

Business continues quiet. Cold weather has returned. Roses are much improved and more plentiful. Carnations are very fine and moving nicely. Yellow tulips are particularly good, as are baby primulas and lilacs. Lilies are scarce; lily of the valley plentiful and good; yellow narcissi are few; violets moving nicely.

The Florists' and Gardeners' Club will give a "smoking raucher" February 2. A number of entertaining features are on the programme.

"Bill" Clark and "Tom" Ulam have engaged Victor Herbert to coach them for Tuesday evening.

Randolph & McClements had the decoration for the banquet given by the east end board of trade. E. L. M.

St. Louis.

Trade conditions in St. Louis show an improvement. Roses are scarce. Bride and Bridesmaid are quoted at \$3 to \$8. Carnations sell at \$1 to \$4 with sufficient quantities coming in. Ferns show a slight increase, present prices being \$2 to \$2.50 per 1,000. Violets are plentiful, but owing to increased calls quotations are somewhat higher—60 cents to 75 cents per 100. Paper White narcissi, stevias, lilies of the valley and Roman hyacinths are abundant.

The body of William Mannheimer, a florist from Chicago in search of work, was found by two men January 26 in a retiring room at Union Station. He had swallowed carbolic acid. He died on the way to the city hospital. In a pocket was found a memorandum book in which was written the name William R. Mannheimer, 3812 Prairie avenue, Chicago. H. G. Berning said Mr. Mannheimer had been at his place seeking work.

Mrs. H. G. Berning, who has been quite ill for some time, took a sudden turn for the worse and is in a critical condition. Physicians said January 26 there was small hope of recovery. F. K. B.

Indianapolis.

Two days of heavy rain last week brought on a very disagreeable experience to E. A. Nelson. Part of his place was entirely under water and one of his rose benches settled, carrying the purlin supports with it, which caused a number of sash bars and a good number of lights to break. His boiler cellar was flooded and for a time it looked as if the fires would be extinguished. The damages amount to many hundred dollars. It is said tampering with a sewer in that neighborhood caused the mischief.

The Indianapolis Flower and Plant Company is cutting exceptionally fine roses at present in spite of its recent wood stove experience. Whenever anything happens to your heating system remember that the Indianapolis Flower and Plant Company can help you out with a couple dozen wood stoves and a mile or two of stove pipe.

Frank Harritt, of Broad Ripple, sold his grounds and greenhouses to Wm. F. Dowe for \$6,500. Mr. Dowe is a graduate of Purdue University and has the reputation of being a good grower. Mr. Harritt's plans for the future are not yet completed. He is considering going into the retail flower business.

H. W. Rieman has purchased a fine two-horse decoration wagon and a team of five-year-old grays. The horses are so perfectly matched that Henry himself can't tell which is which. Mr. Rieman has a strain of cyclamen which is a great acquisition.

H. Junge has been appointed on the committee for trees and shrubs of the Indianapolis Civic Improvement Association.

E. C. Amling pronounces Smith & Young's violets equal in flower and better in stem than the Hudson river stock.

John Bertermann is keeping an eye on farm lands.

John Heidenreich is bulb king for this locality.

ROCHESTER, N. Y.—The Western New York Horticultural Society held its annual convention here January 27-28.

GOVANSTOWN, Md.—The greenhouse of C. H. Paterson was partially destroyed by fire on January 9. The blaze was caused by the overturning of a furnace.

OBITUARY.

Henry Weber.

Henry Weber, senior member of the firm of H. Weber & Sons, Oakland, Md., died January 21, after an illness of several months. The funeral and interment occurred January 23 at "Seelheim," his late residence in the suburbs of Oakland, Md. The following particulars of Mr.



The Late Henry Weber.

Weber's career are reprinted from our issue of February 17, 1900:

"The subject of this sketch had his own little garden in the Province of Hesse Hassle, Germany, long before he had reached his fourteenth year and completed the customary course in the government schools, when he was apprenticed to a florist, becoming foreman before he was nineteen, at which age he entered the British army, serving in the Crimean war in 1854 and 1855. During the following ten years he was stationed at various points in Asia, Africa, Australia and New Zealand, meeting many thrilling adventures, particularly in the Hot-tentot war. In 1865 Mr. Weber came to America and, with his brother John, who had preceded him, embarked in market gardening at Mt. Savage, Md. At the end of five years he sold out to his brother and removed to Cumberland, combining floriculture with gardening. In 1879 he bought a tract of swampy land near Oakland, much against the advice of his associates, redeemed it and made it a veritable garden. It was his intention to grow cauliflower and celery for the eastern markets and his greenhouses were only designed for meeting local demands, but it was only a few years before he became alive to the possibilities of carnation culture and for the past nine years he has given particular attention to this specialty. He was among the first to adopt modern methods and believes that the improvement has only fairly begun. He takes great pleasure in the raising of seedlings and has achieved much success in this line. As a result of his efforts we have Genevieve Lord, now being disseminated, and in 1901 several more fine sorts will be put on the market, all seed-

lings of 1896, among them 110, a large white; No. 30, a bright pink, and No. 126, a sweet-scented, long-stemmed crimson. He has also a number of later seedlings which have not yet passed through the period of testing. Sub-irrigation, side-ventilation and indoor culture are problems in which Mr. Weber takes much interest and he believes they will soon be recognized as essential to the best development of the carnation."

Charles Evans.

Charles Evans, prominent among Boston rose growers for many years, died at his home in Watertown, Mass., on Sunday evening, January 24. Several days previous, returning from the city, he had slipped and was slightly cut on the leg in alighting from a car. Blood poisoning eventually set in and caused his death. Mr. Evans was born in Montgomeryshire, Wales, March, 1838. When a young man he entered the employ of the Right Rev. Bishop Judge, serving as gardener for many years. He emigrated to Canada in May, 1868, but immediately left Canada for the United States, where his first position was as gardener for the senior member of the Ames Plow Company, at Worcester, Mass. After one year he went to the Tucker greenhouses in Worcester, and from there he engaged in 1870 with Stephen Dow, of Woburn, where he built and superintended the most modern greenhouse establishment in New England for eight years. He went to England in 1880 to engage in rose growing there on the American plan but two years later returned to Massachusetts, where he built the place at Watertown, which he conducted successfully till the time of his death. He leaves a widow, two sons and a daughter.



The Late Charles Evans.

Mr. Evans was of most amiable and kindly disposition and always companionable and popular with his associates. Last year he became a member of the Ancient and Honorable Artillery Company and participated enthusiastically in the reception given to the Honorable Artillery Company of London.

FOND DU LAC, WIS.—E. Haentze is recovering from a severe spell of illness.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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Advertisements must reach us by Wednesday to
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Saturday. Address

AMERICAN FLORIST CO., Chicago.

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

THIS is the first issue of a new half
yearly volume.

EUROPEAN growers are taking increased
interest in American carnations.

EFFORTS are being made to secure
reduced railroad rates to the Detroit car-
nation meeting.

THE legislature of the state of Ohio has
recognized by joint resolution the scar-
let carnation as the state flower.

Cold Storage for Lilies.

ED. AM. FLORIST:—What temperature
will suit to keep in cold storage *Lilium*
longiflorum, *L. giganteum* and lily of the
valley?

CALIFORNIA COLD STORAGE KEEPER.

A temperature of 34° will best suit
Lilium longiflorum and *L. giganteum* in
cold storage. Lily of the valley, how-
ever, should be kept as nearly as possible
to 28°. G.

Hydrangeas for Decoration Day.

What is the best time for bringing in
hydrangeas for Decoration day?

E. G. B.

Leave the hydrangeas for Decoration
day in a cool place until March 1. It is
best to place them on a light bench now,
holding them on the dry side so as to in-
duce a slow, stocky growth. After March
1 the temperature can be raised to 50° or
55° at night, which will flower them in
time for Memorial day. No hard forc-
ing is required thus late in the sea-
son. G.

Tulips With Long Stems.

ED. AM. FLORIST:—What method shall
I use to grow tulips with long stems?
What varieties will suit best for this?

GREEN GROWER.

No trouble need be had in getting long
stemmed tulips at this season of the year.
For the first two weeks after bringing
them into heat they should be placed in
a dark place; under a warm bench with
a piece of canvas or other heavy material
tacked in front to provide absolute dark-
ness will do as well as any other place.
They require a high temperature, say 85°
at night, and while in this extreme heat
they should have abundance of warm
water. Darkness is absolutely necessary
to lengthen out the stems. After the
first two weeks they can be removed to
a lighter place, gradually inuring the foli-
age and flowers to the light. The best
varieties to force at this season of the
year are Keizerskroon, striped red and

yellow; La Reine, light pink; Proserpiue,
red, and Yellow Prince; varieties for later
forcing are Murillo, Coleur Cardinal,
Vermillion Brilliant, all the Pottebakkers,
Tournesol and Cottage Maid. G.

The American Rose Society.

The premium list for the exhibition of
the American Rose Society, to be held in
connection with the spring show of the
Pennsylvania Horticultural Society, has
been issued. The rose exhibition will
take place Tuesday, March 22. Plants
in pots have been made prominent fea-
tures and gold and silver medals will be
awarded for the best new varieties not
yet disseminated. Copies of the schedule
may be had on application to David
Rust, Horticultural hall, Philadelphia, or
Leonard Barron, 136 Liberty street, New
York.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

Registered by H. Weber & Son, Oak-
land, Md., New Daybreak, color the true
Daybreak shade, which is not affected by
the heat of summer, the result of a cross
between seedlings of Scott extraction on
one side and of Daybreak extraction on
the other. The vigorous characteristics
of these two varieties are fully conserved
in the New Daybreak; the color at no
time of the year has a washed out appear-
ance. Blooms are three inches and over
in diameter, stems eighteen to thirty
inches in season and always strong
enough to hold the flower erect. It is a
very free bloomer and possesses the
elements of a most profitable commercial
variety. Does not burst and is a splen-
did keeper and shipper.

ALBERT M. HERR, Sec'y.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

F. R. Pierson Company, Tarrytown,
N. Y., submits for registration, Carnation
Daheim. Color, Harvard crimson; form
compact, built high in center; three and
one-half inches in diameter; fragrance
strong clove; habit very robust, in way
of Mrs. Lawson; stems heavy and rigid;
free bloomer.

H. Weber & Sons, Oakland, Md., sub-
mit for registration a seedling carnation,
New Daybreak, the result of a cross
between seedlings of Scott extraction on
one side and Daybreak extraction on the
other. The vigorous characteristics of
both these progenitors have been well
perpetuated. Color is the true Daybreak
shade which is maintained without
fading at any time of the year. Blooms
are three inches and over in diameter,
stems eighteen to thirty inches and
always strong enough to hold flower
erect.

Peter Reinberg, Chicago, Ill., submits
for registration a rose, Uncle John, sport
from Golden Gate. The flower opens
nicely like Bridesmaid and is of a much
deeper shade of pink than Golden Gate,
which it resembles in all other respects.

WM. J. STEWART, Sec'y.

Cincinnati.

Trade has improved considerably.
Good Bride and Bridesmaid are scarce.
The best bring \$8 to \$10 per 100. Good
long-stemmed Liberty are few and easily
bring \$12 to \$15 per 100. Short Beauty
is plentiful, while it is very difficult to fill
orders for 18 to 24-inch stems. Carna-
tions are improving in quality and fancy
ones, such as Enchantress, sell for \$6 per

100, from that down to \$2. There has
been an extra heavy demand for white
carnations, and it is next to impossible
to fill all the orders. There are just
enough violets to go around. Valley is
not moving very well. Roman hyacinths
and Paper White narcissi have to be sold
at less than the quoted prices to make a
bargain. Smilax and other green goods
are plentiful. There was a heavy
demand for common ferns the past week.

The Cincinnati Florists' Society will
hold a special exhibition of roses Feb-
ruary 13. Premiums are to be awarded
as follows:

	Blooms	1st	2d	3d
American Beauty.....	12	\$10.00	\$6.00	\$4.00
Bridesmaid.....	25	4.00	3.00	2.00
Bride.....	25	4.00	3.00	2.00
Meteor.....	25	4.00	3.00	2.00
Perle.....	25	4.00	3.00	2.00
Golden Gate.....	25	4.00	3.00	2.00
Ivory.....	25	4.00	3.00	2.00
Liberty.....	25	4.00	3.00	2.00
Best display of violets.....		6.00	4.00	3.00
Best general display.....		10.00		

Society of American Florists medals,
silver or bronze, will be competed for at
this exhibition. A special exhibition of
carnations will be held March 12.

Geo. Meyer, of the Avondale Floral
Company, is in the same boat, his boy
arriving one day ahead of Joe Gold-
man's.

H. B. McCullough, who has been on
the sick list for the past month, left for
Palm Beach, Fla., January 21.

A. J. Frumas & Company is the name
of the firm that recently opened a retail
store in the arcade.

Joseph R. Goldman, of Middletown, O.,
is all smiles. It's a boy. A.

Springfield, Mass.

The florists of this city are now having
their usual January dull period, and from
what I hear it seems to be general
throughout New England. However, I
do not think there is much to complain
about, for during the past two months
Springfield has been quite busy socially.
I think there have been more good decora-
tions and flowers used by society peo-
ple than ever before up to this time of
the season. There has also been consid-
erable funeral work. The store windows
commence to brighten up now with bulb-
ous stock, which is moving fairly well.

Visitors:—A. T. Boddington, of Clucas
& Boddington, and James McHutchison,
of McHutchison & Co., of New York;
Walter Mott, of Jamestown, N. Y.

A. B.

NILES, MICH.—The Michigan Central
Railway has just completed at this point
one of the largest greenhouses ever oper-
ated by a railroad system.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 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 grower
age 36, single. F I, care American Florist.

Situation Wanted—By florist and gardener on
private place: age 36, single; 21 years' experience.
Address I F, care American Florist.

Situation Wanted—As foreman or manager.
Twenty years experience in best private and
commercial places in country.
D S, 84 Hawley St., Boston.

Situation Wanted—By thoroughly experienced
seedsmen. Practical in every department. Would
travel. Total abstainer. Address
SEEDS, care American Florist.

Situation Wanted—On commercial place as assistant; 8 years' experience in roses, carnations, 'mums, etc. Can come at once. Address
A R B, care American Florist.

Situation Wanted—By an experienced gardener of unquestionable ability: well qualified to take fall charge; near Chicago; terms reasonable.
DAMARIS, Box 486, Highland Park, Ill.

Situation Wanted—As head gardener on private place or institution. 22 years' experience, Sweden, England and America; age 37, married.
2097 St. Anthony Ave., Merriam Park, Minn.

Situation Wanted—By young man as assistant in private place. Understands carnations, roses, violets, etc. Sober and industrious; good references.
H D, care American Florist.

Situation Wanted—By a single, honest and industrious man, age 34, Dane. An all-around commercial place in a country town preferred. State wages. Box 679, Omaha, Neb.

Situation Wanted—A young lady, active, capable and willing to learn, wants a position in a retail florists' establishment. Address
MISS KATIE THOMPSON,
38 Lincoln Park Boulevard, Chicago.

Situation Wanted—Position in cut flower store (Chicago preferred) with view of learning business. 1½ years experience. Best of references. Not afraid of work. Salary immaterial. Age 23.
W J, care American Florist.

Situation Wanted—By an American, 30 years old, single. 16 years' experience with carnations, roses and pot plants. South or South-west preferred. Can get reference from every florist in my town. Southern, care American Florist.

Situation Wanted—By a young married man in private or commercial place, having ten years' experience in roses, carnations and general stock; American Beauties a specialty. When writing please state wages. Address
M H, Box 763, Southport, Conn.

Situation Wanted—Situation wanted as foreman to take entire charge of a large plant. A first-class grower of cut flowers and plants, capable of managing help and having the work done in a practical way. Good wages expected; references.
O K 123, care American Florist.

Situation Wanted—By competent gardener to take charge of gentleman's place. 18 years' experience and thoroughly understands the care private grounds, greenhouses, also forcing of grapes and peaches. First-class references.
L B, care American Florist.

Situation Wanted—By a thorough practical grower, 20 years' experience in growing roses, carnations, 'mums, ferns, palms and general greenhouse stock. Can furnish all references as to abilities and character from last employers. Would accept private place.
J D, care American Florist.

Situation Wanted—By March 1, to take charge of commercial retail place, south preferred, by an up-to-date man, 50 years of age, single, in growing roses, carnation and all kinds of bulbous stock. Good plantsman and grower of bedding plants. First-class designer and experienced in nursery and landscape work. At present manager of a large retail place near Boston, Mass. Please state wages. Address
W G, care American Florist.

Situation Wanted—By first-class florist of business ability. German, age 32, single. Life experience in cut flowers, roses, carnations, 'mums, lilies, flowering bulbs, and everything in the forcing line, ferns, stove and bedding plants, also tasteful designer. Would take charge and manage small place of 10,000 to 25,000 feet of glass. Retail and wholesale business preferred. Having 18 years' practical experience, Germany, England and United States, understand my business and can produce good stock. With view of good salary, share of profits or active partner.
RELIABLE, care American Florist.

Help Wanted—An experienced young man to take charge of carnation section. Address
CHICAGO, care American Florist.

Wanted—Annual Reports of the American Carnation Society for 1894, 1895 and 1901. Address
CARNATION, care American Florist.

Help Wanted—An assistant for greenhouse work. Private place. Wages \$45.00.
JAMES HOLLOWAY, Glen Cove, N. Y.

Help Wanted—An assistant for general greenhouse work in a first-class retail place. Position any time this month, permanent the year around.
THEO. BOCK, Hamilton, O.

Help Wanted—Suitable party to take charge of our poultry department. State experience, salary expected, etc.
VAUGHAN'S SEED STORE, Chicago, Ill.

Help Wanted—A carnation grower. Must be single and well up in his business. State wages with board and room and give full particulars.
N. ZWEIFEL, R. R. 10, North Milwaukee, Wis.

Help Wanted—An upright young man, acquainted in the culture of vegetables and plants. Good place for the right party. State wages wanted with board. Address
A C, care American Florist.

Help Wanted—Good man for greenhouses. Experience in landscape and park work desirable but not necessary. Good wages and board to sober or right party. Address
C. A. PETERS, Huntington, W. Va.

Help Wanted—Competent man to take charge of small commercial place 40x145 in suburb of Chicago. Producing roses, carnations and general retail stock. Good pay to right man. Address
DEONAN, care E. F. Winterson Co.,
45 Wabash Ave., Chicago.

Help Wanted—An all-around man not over 35 years old in retail place of 10,000 feet of glass. Must be a neat and rapid workman. Wages \$60 per month. State age and reference; steady position.
SEATTLE FLORAL COMPANY,
Fourth and Denny Way, Seattle, Wash.

Wanted—To rent, lease or run on shares, 5000 to 10,000 feet of glass. Ten years' experience.
HARRY, care American Florist.

Gardeners—We are getting calls for gardeners for private places. Send for our application sheet so we can file your name. Address
VAUGHAN'S SEED STORE, Chicago.

For Sale—At a bargain, 4 greenhouses, 20x100 feet, barn, 7 room dwelling house, 1 acre. 16 miles northwest of Chicago. Cause, failing health.
J D, care American Florist.

For Sale—Greenhouses; good location for local and shipping business in Michigan. Well stocked. Reason for selling, on account of failing health.
H B, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale or Lease—Fine greenhouse establishment of 10,000 feet of glass, in good condition and well stocked, with or without dwelling. Fine opening for a single man. Stock reasonable.
X Y Z, care American Florist.

For Sale—I will offer at public sale, Feb. 11, 1904, greenhouse property consisting of 4,600 feet of glass; well stocked. Also 8 room dwelling will positively be sold. Call or address
W. S. TAGGART, St. Clairsville, O.

For Sale or Lease—Between 30,000 to 40,000 feet glass; barn, dwelling house; hot water heating, constant water supply, two acres for cultivation in Bronx Borough, New York city. Address
J. RINOLER, 728 3d Ave., New York.

For Sale—Four greenhouses, Chicago, 7,000 feet of glass, on leased ground. Well stocked with carnations and potted plants. Good retail trade and long lease. Price \$2,500.00, part cash, balance on time. Address
J R F., care American Florist.

For Sale—Stock of small greenhouse plants, including carnations and bedding plants. The amount of glass occupied by stock is 10,000 feet. Stock will be sold very reasonably owing to death of proprietor. The greenhouses with 3 years' unexpired lease can be rented for \$25 per month.
MRS. H. McMICHAEL, Wilmette, Ill.

For Sale—Greenhouse 20x112 feet, ¾ span, steam heated. Also house and barn and other outbuilding and 20 acres of first-class garden land, with ¾ acres small fruit, 2½ acres of orchard, consisting of apples, plums and cherries. Good chance to grow winter vegetables or cut flowers as large quantities are shipped in annually.
E. E. THOMPSON, R. D. No. 3, Madison, Wis.

For Sale—Established greenhouses, nursery, two dwelling houses, barn. No other in south-eastern Idaho. Also supplies northern Utah and western Wyoming. Unexcelled shipping facilities. Six lines of railroads diverting into rapidly growing towns and country. Its a bargain, no competition and the business should be continued. Must be sold on account of death.
TAE CHURCH & WHITE CO., Pocatello, Idaho.

For Sale—At a great bargain for quick sale: greenhouses of about 3,500 feet of glass, hot water heat, first-class boiler, large enough to heat double the space, up-to-date ventilators, full of clean, healthy, paying stock. Can sell everything you raise. Will sell houses with or without land. Small amount of cash needed. Reason, old age and failing strength. Address
DES MOINES PLANT Co., 38th St., Des Moines, Ia.

For Sale—Three greenhouses situated in West Tenn. About 10,000 square feet glass, well stocked with roses, carnations, palms, ferns and bedding plants. Heated by two Florence hot water heaters. About one and one-quarter acres of ground, 300 feet cold frames which belong to the plant. Everything in first-class condition. No competition. A good bargain. A change of climate necessary for family cause of sale. Address
Mrs. M. Iris Brown, Union City, Tenn.

Wanted—Greenhouse Material for ¾ span, glass 18x16; dbl. A sash bars and plates, ventilating fixtures, etc. Quote prices giving particulars for whole or part.
NORTHWEST, care American Florist.

WANTED.

Position as foreman or manager in an up-to-date establishment; either wholesale, retail or mailing. Am up in all branches, catalogue marking, building, heating and growing of fine stock. 2,000,000 plants grown the past season. Three years in last place. 40 years old and a hustler. Northern place preferred. Married, temperate and strictly business. Best of reference as to ability and business qualities. Address LONE STAR,
611 No. Washington Ave., Dallas, Tex.

For Sale—12,000 to 15,000 square feet of glass, splendid location, all retail trade, no difficulty in selling all you grow and more too. All new houses, small dwelling house, barn and everything new and up-to-date; 5 houses in carnations, 2 in roses, 2 were in 'mums, now bedding plants, 1 mixed house, fine palms, callas, smilax, asparagus, etc. Will take partner with privilege of all later if desired. Strictest investigation solicited. Ill health only reason for selling. Furnace boiler, electric lights, office. Everything up-to-date. Cost \$11,000. A bargain for someone. No money wanted until everything is proved as represented. Apply to
W. BUTLER, Chillicothe, O.

HERE IS A BARGAIN.

For sale or rent on long lease a tract of about 4 acres of land in Rogers Park, this land is vacant, has been rented for truck gardening, and consists of heavy black loam, fronting on Murphy avenue, one block west of Clark street, 200 feet North of Rogers avenue. First-class location for greenhouses. Easy Terms. No Agents.
Call or write G. F. KELLNER, Owner,
Phone North 126. Office, 349 Clybourn Ave.
Residence, 4291 N. Clark St., Chicago.

A Bargain in New Mexico

A LOCALITY WHERE THE SUN SHINES EVERY DAY IN THE YEAR.

2 acres;
City
water;
Stable;
8,000
feet
glass.



One
house just
built.
Three
houses
three
years.
Business
runs
\$200 per
month.
Fixed
expenses,
\$60 per
month.

Prosperous city of 5,000 inhabitants. Shipping trade extends over large territory.
For price and more particulars apply to

C. B. WHITNALL, care Citizens Trust Company, MILWAUKEE, WIS.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing

H. G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Please mention the American Florist when writing.

LOCUST VALLEY, N. Y.—Robert E. Berry is now gardener for W. D. Guthrie at Mendon, his beautiful estate in this place. A fine house 40x100 has just been completed by Lord & Burnham Company for palms and decorative plants. Two more houses are contemplated, one for orchids and one for miscellaneous hard-wooded plants. Mr. Perry has some unexcelled carnations, among which Enchantress and Lillian Pond loom up as the best in their respective classes.

BRIDGEWATER, CONN.—J. J. Johnson recently discharged an employe for carelessness in allowing the fires to run low and the stock to suffer from cold. John Kelleher, the employe, brought suit against Mr. Johnson to recover back wages of \$78.80. The case has just been finished in the Brockton court in favor of Mr. Johnson, it having been shown that Kelleher had been arrested and fined for drunkenness at the time of his discharge and Mr. Johnson's loss from freezing exceeded the wages claimed.

Wholesale Flower Markets

MILWAUKEE, Jan. 28.

Roses, Beauty, long per doz.	3.00
" " med.	1.50@ 2.00
" " short	.50@ 1.00
" " Bride, Bridesmaids	4.00@ 8.00
" " Meteor, Golden Gate	4.00@ 8.00
" " Perle	4.00@ 8.00
Carnations	2.00@ 4.00
Smilax	15.00
Asparagus	35.00@50.00
Violets	.50@ .75
Valley	4.00
Stevia	2.00@ 3.00

PITTSBURG Jan. 28.

Roses, Beauty, specials	40.00@60.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " ordinary	2.00@ 6.00
" " Bride, Bridesmaid	3.00@15.00
" " Meteor	6.00@15.00
" " Liberties	12.00@25.00
Carnations	.75@ 8.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus, strings	30.00@50.00
Asparagus Sprengerl.	2.00@ 4.00
Sweet Peas	.50@ 1.00
Violets	.50@ 1.50
Lilies	12.00@20.00
Mignonette	3.00@ 6.00
Romans, Paper White	1.00@ 3.00
Tulips	2.00@ 4.00
Lilac	1.00@ 1.50

CINCINNATI, Jan. 28.

Roses, Beauty	2.00@ 6.00
" " Bride, Bridesmaid	4.00@12.00
" " Liberty	4.00@10.00
" " Meteor, Golden Gate	4.00@12.00
Carnations	3.00@ 6.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.50
Violets	.75@ 1.00
Narcissus	4.00
Romans	4.00
Harrisii	per doz., 2.00
Calla	12.50@15.00
Sweet peas, Blanche Perry	1.00

St. Louis, Jan. 28.

Roses, Beauty, long stem	3.00@4.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.50@ .75
" " Liberty	3.00@ 8.00
" " Bride, Bridesmaid	3.00@ 8.00
" " Golden Gate	3.00@ 6.00
Carnations	1.00@ 4.00
Smilax	12.50@15.00
Asparagus Sprengerl.	1.00@ 3.00
" " Plumosus	35.00@75.00
Ferns	per 1000, 2.00@2.50
Violets, single	.60@ .75
Narcissus Paper White	2.00@ 3.00
Stevia	1.00
Valley	3.00@ 4.00
Romans	2.00@ 3.00

DENVER, Jan. 27.

Roses, Beauty, long	25.00
" " medium	15.00
" " short	8.00
" " Liberty	4.00@ 8.00
" " Chateau	4.00@ 7.00
" " Bride, Bridesmaid	4.00@ 6.00
Carnations	3.00@ 4.00
Smilax	20.00

ROSES,
CARNATIONS,
BEAUTIES,
VALLEY.

Pittsburg Cut Flower Co., Ltd.

Wholesale Florists and Supplies.

504 Liberty St.,

PITTSBURG, PA.

Please mention the American Florist when writing

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

FANCY

CARNATION BLOOMS

OUR SPECIALTY.

TELEGRAPH ORDERS FILLED PROMPTLY.

J. D.

THOMPSON CARNATION CO.
JOLIET, ILL.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

CUT FLOWERS OF ALL KINDS

and Florists' Supplies.

Galax, bronze or green. 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss, Ferns.

Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, Commission Dealer,
130 E. 3d St., CINCINNATI, O.
Telephone, 980 Main.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,

AT CHICAGO MARKET RATES.

42-44 E. Randolph St.,

CHICAGO, ILL.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph St.,
CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

WEILAND-AND-RISCH

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.

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.

A. L. RANDALL CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

MICHAEL Winandy

Wholesale Grower
and Shipper of **CUT FLOWERS**

80 WABASH AVE., CHICAGO.
Telephone 3067 Central.

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.

Please mention the American Florist when writing.

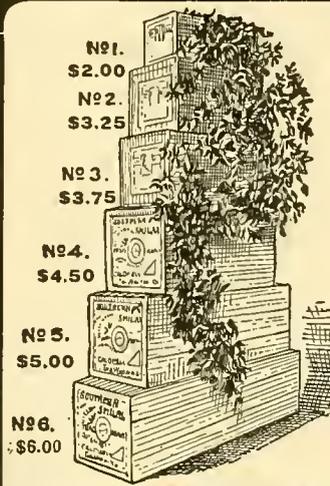
Brant & Noe Floral Co.,

GROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.



Galdwell's Quality Kounts Brand
CONSTANTLY ON HAND.

J. B. DEAMUD,

WHOLSAIF CUT FLOWERS

51 Wabash Ave., CHICAGO.

PRICE LIST.

	Per Doz
Beauties, 30 to 36 inch stem.....	\$4.00 to \$ 5.00
" 20 to 24 inch stem.....	3.00
" 15 to 18 inch stem.....	1.50 to 2.00
" 12 inch stem.....	.75 to 1.00
	Per 100
Liberty and Chatenay.....	6.00 to 10.00
Brides and Bridesmaids.....	6.00 to 10.00
Meteor and Golden Gates.....	6.00 to 10.00
Carnations.....	2.00 to 4.00
" fancy.....	3.00 to 5.00
Valley.....	2.00 to 4.00
Violets, double.....	.50 to 1.50
" single.....	.50 to .75
Asparagus Plumosus.... per string, 25 to 50c	
Asparagus Sprengeri Sprays.....	2.00 to 4.00
Ferns, fancy.....	\$3.00 per 1000
Smilax.....	12.50 to 15.00
Adiantum.....	1.00

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager.
Consignments Solicited.

Wholesale and
Commission

FLORISTS

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Jan. 29.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" 20 to 24 "	2.50
" 15 to 18 "	1.50@ 2.00
" 12 "	1.00@1.25
" Liberty.....	6.00@ 8.00
" extra select.....	10.00@ 15.00
" Chatenay.....	6.00@12.00
" Bride, Bridesmaid.....	6.00@10.00
" Meteor, Golden Gate.....	6.00@10.00
Carnations.....	2.00@ 3.00
" fancy.....	3.00@ 5.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@4.00	
" Sprengeri.....	2.00@ 4.00
Violets, double.....	.50@ 1.50
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
" Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000	2.50@ 3.00
Smilax.....	12.50@15.00
Callas.....	1.50@ 2.00 per doz.
Harrisii.....	2.00@ 2.50 "

SINNER BROS.

Wholesale Growers
and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower
Growers' Co. Telephone—
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All telegraph and telegraph orders
given prompt attention.

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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Poehlmann Bros. Co.

Wholesale Growers of

and
Dealers in **Cut Flowers**

All telegraph and telephone orders
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Morton Grove, Ill. CHICAGO, ILL.

Michigan Cut Flower Exchange,

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All Cut Flowers in Season.

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After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

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Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN.

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WELCH BROS.

CITY HALL CUT FLOWER MARKET,
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Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

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CHOICEST CUT FLOWERS.

43 W. 28th St., NEW YORK CITY.

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WHOLESALE FLORIST.

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Consignments of any good flowers solicited.
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Open for Cut Flower Sales at 6 o'clock
Every Morning.....

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OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Holly, Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.

Please mention the American Florist when writing.

Wholesale Flower Markets

BOSTON, Jan. 27.

Roses, Beauty, extra.....	30.00@40.00
" " medium.....	10.00@20.00
" " curls.....	1.0@ 5.00
" Bride, Bridesmaid.....	2.00@ 5.00
" extra.....	5.00@10.00
" Liberty.....	4.00@10.00
Carnations.....	.50@ 2.00
" Fancy.....	2.00@ 4.00
Violets.....	.40@ .75
Lily of the valley.....	2.00@ 3.00
Harrisii lilies.....	6.00@ 8.00
Smilax.....	10.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Roman Hyacinths, P. W. narcissus	1.00@ 2.00
Daffodils.....	1.00@ 3.00

PHILADELPHIA, Jan. 27.

Roses, Tea.....	6.00@10.00
" " extra.....	12.00@15.00
" Beauty, extra.....	35.00@50.00
" " firsts.....	16.00@25.00
" Queen of Edgely, extra.....	40.00@50.00
" " firsts.....	16.00@25.00
Carnations.....	1.50@ 6.00
Violets, single.....	.40@ .50
" double.....	.75@ 1.00
Lily of the valley.....	3.00@ 5.00
Lilac.....	.75@ 1.25 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00

BUFFALO, Jan. 28.

Roses, Beauty.....	5.00@50.00
" " Bride, Bridesmaid, Meteor	3.00@12.00
Carnations.....	2.00@ 6.00
Harrisii.....	15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.50@ 1.00
Violets.....	.40@ 1.00
Callas.....	8.00@12.50
Sweet Peas.....	.50@ 1.00

SOUTH FRAMINGHAM, MASS.—Sander & Company have given the name of Mrs. J. T. Butterworth, of this city, to a superb hybrid cypripedium.

SOUTHERN SMILAX.

No. 1 quality only \$5.50 per case of 50 lbs. Be sure and try it when you want Smilax. **GALAX**, bronze or green, 75c per 1000. Discount on large orders. **LAUREL FESTOONING**, No. 1 quality, 4c. 5c and 6c per yard. Always on hand and large orders filled at short notice. **FANCY** or **DAGGER** **FERNS**, \$1.50 per 1000.



Long distance telephone connection.

SMILAX and BEAUTIES CHEAP.

500 Beauties, 3 1/4-inch pots, well branched, \$6.00 per 100.
2,000 Smilax 3 1/4-inch, stocky plants, \$2.00 per 100. Cash with order.

Quality of plants guaranteed.

ROSEMONT GARDENS, MONTGOMERY, ALA.

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Many Electrotypes

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Flowers of All Kinds.

Write Us For
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THE PHILADELPHIA WHOLESALE FLOWER MARKET, 1224 Cherry Street, PHILADELPHIA, PA.

FLOWERS SHIPPED BY

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ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

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42 West 28th Street, Wholesale Florists.
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CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonal novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

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Telephone No. 756 Madison Square,



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Wholesale Commission Florists.

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Advice or sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

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Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Chrysanthemums.

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Special American Beauties, Surpassing Carnations, Lily of the Valley, Orchids, and all Seasonable Flowers.
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THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

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BROWERS and BUYERS make a note of this. It will be to your advantage.

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Open from 6 a. m. to 5. p. m.

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Phone 399 Madison Square.

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Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 956 Madison Sq.
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An Unequaled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

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NEW YORK CITY,

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New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Jan. 27.

Roses, Beauty, best.....	15.00@40.00
" " medium.....	6.00@10.00
" " culls.....	1.00@ 3.00
" " Bride, Bridesmaid, G. Gate	1.00@ 3.00
" " Liberty.....	3.00@15.00
Carnations.....	2.00@ 3.00
" fancy and novelties.....	4.00@10.00
Lily of the valley.....	1.00@ 2.00
Lilies, Callas.....	6.00@10.00
Violets.....	.30@ .50
" special.....	.50@ .75
Smilax.....	5.00@10.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Cattleya Percivaliana.....	40.00@50.00
Dendrobium formosum.....	30.00@40.00
Mignonette.....	1.00@ 4.00
Roman Hyacinths.....	.50@ 1.50
Tulips.....	1.00@ 3.00
Narcissus, Paper White.....	1.00@ 1.50
Gardenias.....	25.00@50.00
Stevia, per bunch, .10 to .25	
Freesia.....	.10@ .15 per bun.
Jonquils, Daffodils.....	1.00@ 2.00

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Conservatory connected from which can ship ferns and decorative plants promptly

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A full supply daily of the choicest New York and New Jersey FLOWERS.

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CUT FLOWERS AT WHOLESALE.

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Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
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Please mention the American Florist when writing.

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TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

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CARRIED OUT IN LONDON**
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BEST FLOWERS FOR ALL OCCASIONS.

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ST. LOUIS.

**Fred. C. Weber,
FLORIST,**

4326-4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists to interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Etruria	1	Sat. Feb. 6, 9:00 a. m.	Feb. 12
New York.....	"	Umbria	1	Sat. Feb. 13, 2:00 p. m.	Feb. 19
New York.....	Glasgow	Corinthian	2	Thur. Feb. 4, Noon	Feb. 14
Portland.....	"	Ontarian	2	Sat. Feb. 13,	Feb. 23
New York.....	Genoa	Auguste Victoria	3	Tues. Feb. 2, 10:00 a. m.	Feb. 17
New York.....	"	Prinz Adalbert	3	Thur. Feb. 4, 10:00 a. m.	Feb. 19
New York.....	Hamburg	Bluecher	3	Thur. Feb. 11, 10:00 a. m.	Feb. 21
New York.....	Copenhagen	Norge	4	Sat. Feb. 6, 2:00 p. m.	
New York.....	Glasgow	Anchoria	5	Sat. Feb. 13, Noon	
New York.....	Loooon	Minnehaha	6	Sat. Feb. 6, 9:00 a. m.	Feb. 16
New York.....	"	Mesaba	6	Sat. Feb. 13, 9:00 a. m.	Feb. 23
New York.....	Liverpool	Majestic	7	Wed. Feb. 3, 10:00 a. m.	Feb. 10
New York.....	"	Oceanic	7	Wed. Feb. 10, 1:00 p. m.	Feb. 16
Boston.....	"	Cretic	7	Thur. Feb. 4, 11:30 a. m.	Feb. 11
Boston.....	Alexandria	Republic	7	Sat. Feb. 13, 8:00 a. m.	Mar. 2
New York.....	Southampton	St. Louis	8	Sat. Feb. 6, 9:30 a. m.	Feb. 13
New York.....	"	New York	8	Sat. Feb. 13, 9:30 a. m.	Feb. 20
New York.....	Antwerp	Finland	9	Sat. Feb. 6, 10:30 a. m.	Feb. 15
New York.....	"	Vaderland	9	Sat. Feb. 13, 10:30 a. m.	Feb. 22
New York.....	Havre	La Champagne	10	Thur. Feb. 4, 10:00 a. m.	Feb. 14
New York.....	"	La Lorraine	10	Thur. Feb. 11, 10:00 a. m.	Feb. 20
New York.....	Rotterdam	Rotterdam	11	Tues. Feb. 2, 10:00 a. m.	Feb. 12
New York.....	Genoa	Nord America	12	Tues. Feb. 2, 11:00 a. m.	Feb. 17
New York.....	"	Liguria	12	Tues. Feb. 9, 11:00 a. m.	Feb. 20
New York.....	Bremen	Main	13	Tues. Feb. 2, 10:00 a. m.	Feb. 13
New York.....	"	K. Wil. Der Grosse	13	Tues. Feb. 9, 10:00 a. m.	Feb. 16
New York.....	Genoa	Hohenzollern	13	Sat. Feb. 13, 11:00 a. m.	Feb. 26
Boston.....	Liverpool	Canadian	14	Wed. Feb. 3, 11:00 a. m.	Feb. 13
Boston.....	"	Cestrian	14	Wed. Feb. 10, 5:30 a. m.	Feb. 20

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

Artistic Designs. * * * * *
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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P. J. HAUSWIRTH
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Mail, telegraph or telephone orders filled promptly in best style.

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FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

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and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

SAN FRANCISCO.

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**SIEVERS & BOLAND,
Floral Artists,**

33 Post Street, SAN FRANCISCO, CAL.

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E. J. VAWTER
GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

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We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15c per square inch. Send list of your needs to.....

The American Florist Co., Chicago.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Ivernia	1	Sat. Feb. 6	Feb. 14
Liverpool.....	"	Campania	1	Sat. Feb. 13	Feb. 20
Glasgow.....	"	Siberian	2	Sat. Feb. 13	Feb. 23
Genoa.....	"	Prinz Oskar	3	Thur. Feb. 4	Feb. 19
Hamburg.....	"	Patricia	3	Sat. Feb. 6	Feb. 16
Hamburg.....	"	Moltke	3	Sat. Feb. 13	Feb. 23
Copenhagen.....	"	Island	4	Wed. Feb. 3	
Copenhagen.....	"	United States	4	Wed. Feb. 10	
Glasgow.....	"	Furnessia	5	Sat. Feb. 6	Feb. 16
London.....	"	Minnetooka	6	Thur. Feb. 4	
London.....	"	Menominee	6	Thur. Feb. 11	
Liverpool.....	"	Celtic	7	Wed. Feb. 3, 3:30 p. m.	Feb. 10
Liverpool.....	"	Cymric	7	Wed. Feb. 10, 3:30 p. m.	Feb. 17
Liverpool.....	Boston	Romanic	7	Thur. Feb. 4, 3:30 p. m.	Feb. 11
Alexandria.....	New York	St. Paul	8	Sat. Feb. 6, Noon.	Feb. 22
Southampton.....	"	Philadelphia	8	Sat. Feb. 13, Noon.	Feb. 19
Southampton.....	"	Kroonland	9	Sat. Feb. 6, 3:00 p. m.	Feb. 15
Antwerp.....	"	Zeeland	9	Sat. Feb. 13, 11:00 a. m.	Feb. 22
Antwerp.....	"	La Bretagne	10	Sat. Feb. 6	Feb. 16
Havre.....	"	La Touraine	10	Sat. Feb. 13	Feb. 22
Rotterdam.....	"	Statendam	11	Sat. Feb. 6	Feb. 16
Genoa.....	"	Sardagna	12	Mon. Feb. 1	Feb. 16
Genoa.....	"	Citta di Milano	12	Mon. Feb. 8	Feb. 23
Bremen.....	"	Koenigen Luise	13	Sat. Feb. 6, 8:00 a. m.	Feb. 16
Bremen.....	"	Kronprinz Wilhelm	13	Tues. Feb. 9, 8:00 a. m.	Feb. 16
Genoa.....	"	Lahn	13	Thur. Feb. 4	Feb. 16
Genoa.....	"	Prinzess Irene	13	Thur. Feb. 11	Feb. 24
Liverpool.....	Boston	Winifredian	14	Sat. Feb. 6	Feb. 16
Liverpool.....	"	Bohemian	14	Sat. Feb. 13	Feb. 23

* See steamship list on opposite page.

E. F. Winterson Co.

—Successors to—
McKellar & Winterson.
 ESTABLISHED 1894.

We are handling the cut of Rudd's "PHYLIS," the grand new pink—and new Seedling White (unnamed, but a "crackerjack") carnations. These arrive daily—get a sample shipment, but give us a day or two notice, as we sell them out as a rule in advance of arrival. Price, Phyllis, 6c; White Seedling, 4c.

FANCY EASTERN VIOLETS. The best that come into this market, \$1.00 per hundred.

EXTRA FINE HARRISII BLOOMS, 12c to 15c.

FANCY FREESIAS, 3c to 4c.

A daily supply from 34 GROWERS enables us to take care of shipping orders to the buyers' advantage.

Get our Weekly Price List. It is free and worth your while.

HEADQUARTERS FOR
Galax Leaves and all Greens.
 "SUPERIOR QUALITY"

WILD SMILAX

—(NONE BETTER.)—
ALWAYS ON HAND.

We carry the most complete line of Florists' Supplies in the West. Catalogue free. Address all correspondence to

45-47-49 Wabash Ave., CHICAGO.

Orchids!

Just arrived in superb condition, a large shipment of **DENDROBIUM NOBILE**, most useful for florists; also **Dead. Chrysanthum** and others. To arrive, **Cattleya Trianae** and **C. Gigas**.

Lager & Hurrell, SUMMIT, N. J.
 Orchid Growers and Importers.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
 IN THE WORLD.

Current Price List.

	Per Doz.	
AM. BEAUTIES, long stems,	\$5.00	
" " 30-36-in. "	\$3.50 to 4.00	
" " 20-24 " "	2.50 to 3.00	
" " 15-18 " "	1.50 to 2.00	
" " Short stems.....	1.00 to 1.25	
	Per 100	
SUNRISE.....	\$4.00 to \$10.00	
CHATENAY.....	6.00 to 12.00	
BRIDE.....	5.00 to 8.00	
BRIDESMAID.....	5.00 to 8.00	
PERLE.....	5.00 to 8.00	
CARNATIONS.....	3.00 to 4.00	
ROSES, OUR SELECTION.....	4.00	

All flowers are perfectly fresh and properly packed.
 No charge for P. and D. on orders over \$5.

KNOXVILLE, TENN.—Chas. W. Crouch has purchased a building from the Swepson estate and will move his business this spring. His business has outgrown his present quarters.

GALAX LEAVES, ETC., Fresh New Crop.

Galax Leaves, Green and Bronze, per 1000.....\$.60
 Cut Fancy and Dagger Ferns, per 1000..... 1.00
 Leucothoe Sprays, Green, per 1000..... 3.00
 Red, per 1000..... 6.00
 Rhododendron Sprays, per 1000..... 5.00

Largest dealer in the U. S. Orders filled promptly. Send cash with order. Send 50c for a nice cane, cut from the famous mountains of N. C. Nicely varnished, crooked or straight. Mention length desired and variety of wood—hickory, rhododendron, wahoo, poplar, striped maple, etc. Grand souvenir, besides useful. Try one or more.

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

GALAX...

Bronze or green, 75c per 1000, in 2,000 ots or more. **Leucothoe Sprays**, green, 90c per 100. **Southern Smilax**, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. **Green Sheet Moss**, choice stock, \$2.50 per barrel sack. **Sphagnum Moss**, \$1.75 per large bale.

FLORIST'S SUPPLIES of Every DESCRIPTION.

Tel. 597 Madison Square. L. J. KRESHOVER, 110-112 W. 27th St., New York.

It is good business policy
to mention the

American Florist

When you write to an advertiser.



WILD SMILAX ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Supplies, Dagger and Fancy Ferns, \$1.50 per 1000, A No. 1 quality. Bronze and Green Galax, \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Charles McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.

Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

SWEET corn prices are said to be a little less firm.

THE very severe cold weather is of no help to mail orders.

THE new potato 'Eldorado' is being offered in England at \$875 per pound at wholesale rate.

CONTRACT bean prices are higher, while growers are refusing to take large orders for scarce sorts.

NEARLY every item on both the green pod and wax bean list seems to be short. Seed stocks will be needed.

SAN FRANCISCO, CAL., January 23.—There is a deficiency of rain here which is alike bad for crops and growers.

BUSINESS with catalogue houses generally is very good as compared with last season, in many cases much better.

THE disposition to make heavy contracts for seed peas is about in line with the sentiment on contracting for onion seed.

THE spring catalogue of Peter Henderson & Company has been mailed this season as promptly as most others in the trade.

VISITED CHICAGO.—August Rhotert, New York; E. M. Parmalee, of the John H. Allan Seed Company, Cape Vincent, N. Y., on his annual contracting trip.

SCHMIDT & BOTLEY, Springfield, O., report that the returns from their new catalogues are coming in very satisfactorily, even better than last year, and they think the prospects for business the coming spring are very good.

THERE will be some reduction of the acreage planted to onion sets in the Chicago district the coming season. Two years of low prices have discouraged some of the growers who can see more profit in other lines.

AMONG the short items in flower seeds this season are *Viola odorata* and varieties, *Phlox Drummondii*, *P. decussata*, *Lady Grisel Hamilton* sweet pea, *thunbergia*, *Browallia speciosa major*, *hollyhocks*, *Lathyrus latifolius*, *Machet mignonette* and *nasturtiums*.

Buckbee's New Warehouse.

The accompanying illustration shows the new shipping warehouse of H. W. Buckbee, of Rockford, Ill. The dimensions are 65x184 feet with boiler and engine room 39x65 feet. The cellar is very spacious and the machinery for cleaning and manipulating seeds of the best and most modern patterns, making the establishment one of the most complete and up-to-date to be found anywhere.

A California Protest.

We are pleased to see the protests against the extravagant humbug of national distribution of an inferior and worthless article, says the Santa Cruz Sentinel. In the early history of the country seed distribution was useful and



NEW WAREHOUSE OF H. W. BUCKBEE, ROCKFORD, ILL.

beneficent. The population was thinly scattered and no one had seed farms. But these times have passed away. The government seeds are looked upon with suspicion by every farmer. They plant a few by way of experiment, but go to a reliable seedsman to be sure of a successful crop. The government should never do what the individual does better.

American Seed Trade Association.

ED. AM. FLORIST:—A meeting of the executive committee of the American Seed Trade Association was called at the New Willard hotel, Washington, D. C., on January 20. There were present S. F. Willard, president, Walter P. Stokes, Albert McCullough, W. Atlee Burpee, Henry W. Wood, F. W. Bolgiano and C. E. Kendel, secretary.

It was decided to meet at St. Louis June 21-23 at the Forest Park University hotel, which is located but a very short distance from the fair grounds, and is we are assured by the St. Louis members of the association in every way desirable. Suggested topics for the programme give promise of a most practical and interesting meeting, and this with the general attraction of the greatest exposition, at least from a horticultural standpoint, and the low rates on the railroads, ought to result in having the largest and best convention of the association.

Further announcements will follow in due time. C. E. KENDEL, Sec'y.
January 22, 1904.

Buffalo, N. Y.

W. F. Kasting has started to move his goods to his new place, but will not move all until after Easter. At his new establishment there will be a hall for florists' meetings and he has promised us the use of it. We now use his store and cigars. What more can he do?

The meeting of the Buffalo Florists' Club last week was postponed owing to the disagreeable weather. There was a meeting of florists January 27 to take action on the Forest Lawn cemetery's resolution to do all watering and take care of graves.

Trade took a good jump last week. Several receptions and dinners gave a number of florists work. Stock is still equal to the demand, but there is no surplus.

Rudolph Boettger, of Eggertsville, N. Y., lost a sister this week. She at one time had a store and handled plants on Niagara street.

Dan'l. B. Long was called to Waynesboro, Pa., Monday owing to the death of his brother, David, who was well known in Buffalo.

Barney Meyers, superintendent for W. J. Palmer & Son, says their stock for Easter is in fine shape.

The extreme weather last week made a terrible hole in the coal bins.

Visitors: S. D. Green, Philadelphia, Pa.; Ernest Schoepke, New York. Bison.

DENVER, COL.—L. C. Waterbury has sold his wholesale cut flower and general supply business to R. S. Maham.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES
Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, SEED GROWERS, PHILADELPHIA, PA.

PEDIGREE STOCKS

OF

Vegetable AND Flower Seeds

We make a very special study of the improvement and selection of the Choicest Stocks of Seeds generally, and especially of those required by **MARKET GROWERS**.

These Pedigree Stocks are continually and constantly being improved under our own personal supervision, in our various Trial and Stock Grounds.

TRY THEM ONCE, AND YOU WILL WANT THEM AGAIN.

Send for our Special Offer of Flower and Vegetable Seeds (now ready) and for our General Catalogue of Novelties (mostly of our own raising), Vegetable and Flower Seeds, ready in December.

We shall be pleased to answer any correspondence or send samples for trial next season, if preferred.

WATKINS & SIMPSON

**SEED MERCHANTS, 12 Tavistock St.,
COVENT GARDEN, LONDON, W. C., ENGLAND.**

GLADIOLI. Planting Stock.

May, 3rd size, at \$5.00 per 1000. Will all bloom. Also Bulblets, Childsii, Groff's Hybrids, Gray's Inglesides. Choicest selections in one general mixture at \$5.60 per bushel. Cash.

FRANK BANNING, KINSMAN, OHIO.

Please mention the American Florist when writing.

GLADIOLI. Fancy mixture, 1st size, \$8 per 1000; 2nd size, \$6.00 per 1000; good mixture, 1st size, \$6 per 1000; 2nd size, \$4 per 1000. Light colors, \$7 and \$5. Discount on large orders. Cash.

E. E. STEWART, Rives Junction, Mich.

WANTED.

Growers of Sweet Pea Seed for the trade.

F. A. ROSCOE, Steeple Morden, Royston, England.

Asparagus Plumosus Nanus Seeds fresh from the vines, \$6.00 per 1000 or \$5.00 per 1000 above 10,000. Smitax Seeds, new crop, \$1.25 per lb. Cash with order.

COTTAGE NURSERY, 1421 D. St., San Diego, Cal.

The American Florist Co.'s

TRADE DIRECTORY

HUNDREDS OF NEW NAMES AND ADDRESSES.

And contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Gardeners, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies and Horticultural Supply Concerns of the United States and Canada.

Price \$2.00 Prepaid.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

A Bear Movement on Japan

	Per 100	1000
TUBEROSES, XLCR Dwarf Pearl, large bulbs	\$1.25	\$ 8.50
GLADIOLUS, Red and Scarlet, mixed	1.00	8.00
GLADIOLUS, White and Light, mixed	2.50	20.00
CALADIUMS, Small...per 100, \$5.00; Medium, \$8.00; Large, 10.00		
PAEONIES, Herbaceous, double in separate colors.....	12.00	

ASPARAGUS SPRENGERI

Clean, Fresh Seed from Bahamas, per 1000 seeds, \$1.25.

BAMBOO CANES, for your Lilies, per 1000.....\$6.00

W. ELLIOTT & SONS, New York.

LILY OF THE VALLEY

SELECTED DRESDEN.

Unequaled for early forcing. No. 1 Stock per 100,
\$1.50; 250, \$3.50; 500, \$6.50; 1000, \$13.00; case
2,500 pips, \$30.00. * * * * *

**R. & J. FARQUHAR & CO., 6 and 7 So. Market Street,
BOSTON, MASS.**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSEYRMEN.
 N. W. HALE, Knoxville, Tenn., Pres.; FRANK A. WEBER, St. Louis, Mo., Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
 Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

DECATUR, ILL.—The Mt. Zion Nursery Company partnership has been dissolved.

J. BLAAUW & COMPANY, of Boskoop, Holland, have issued a very attractive souvenir of their nurseries and Boskoop which they are mailing to customers.

THE Department of Parks, Borough of Brooklyn, N. Y., is in the market for a large quantity of trees and shrubs, the estimates to be in the office of the department, Litchfield Mansion, Prospect Park, Brooklyn, N. Y., by 9 a. m., Tuesday, February 9. The superintendent is Wm. J. Zartmann.

Pennsylvania Nurserymen's Association.

An auxiliary association of the Pennsylvania State Horticultural Association was formed at Lancaster, January 20, to be known as the Pennsylvania Nurserymen's Association with the following officers: W. H. Moon, Morrisville, president; Thomas B. Meehan, Philadelphia, vice-president; Earl Peters, Mount Holly Springs, secretary; Thomas Rakestraw, Kennett Square, treasurer.

Omaha, Neb.

Business has been rather slow for this time of the year. There are a good many society functions, but none very important to the florists. The weather for the first three weeks of January was summer-like. Stock was consequently plentiful and low prices prevailed. Violets sold at any price. The weather man helped us out for the last five days, the thermometer going down to 18° below zero for three days. Stock is now scarce and the prices are higher.

Paul Paulson erected two houses at the Prospect Hill cemetery grounds to supply the cemetery with plants and cut flowers.

The Nebraska Florists' Club decided at the last meeting to form a bowling team to take part in the St. Louis convention.

H. Slocomb, the violet grower, contemplates the erection of two houses, 30x200 feet, for violets this season.

A. Donaghue, Jr., opened his new store on Farnam street, and it is quite a credit to him as well as to the trade.

GRIPPE.

OVER 1000 ACRES OF FINEST CULTURES.
 IMPORT & WHOLESALE ONLY
 REPRESENTING BEST WHOLESALE EUROPEAN NURSERIES.
 SEEDLING STOCK, SHRUBS, ORNAMENTAL TREES, EVERGREENS, FORCING PLANTS.
 SUPERIOR QUALITY, GRADING AND PACKING.
 SATISFACTION GUARANTEED.
AUG. RHOTERT, 26 Barclay St. N.Y.
 J. PALMER & SON, AINA, (SCOTLAND)
 P. J. OUDERHANS & SONS, ROTTERDAM, HOLLAND
 J. F. MULLER NURSERY, Rellingen, (Germany).
 FINEST RAFFIA AND TREE SEEDS.

NOW IS THE TIME TO ORDER

Exochorda Gril., 18 to 24-inch, bushy.....	Per 100	\$ 8.00	Oranges, 15 to 18-inch, 5-inch pots.....	Per 100	\$30.00
Lonicera ¼ Belgica and Heckrotti, 3 to 4 feet, bushy.....	8.00		Lemons, grafted, 18 to 24-inch, 5-inch pots.....	30.00	
Ampelopsis Japonica, 2¼-inch pots.....	4.00		Kentia Belmoreana, 12 to 15-inch, 5 leaves	18.00	
Cedrus Deodara, 15 to 18-inch.....	25.00		Lalania, 15-inch, 3 to 4 ch. leaves.....	30.00	
Cedrus Deodara, 20 to 24-inch.....	30.00		Phoenix Canariensis, 15 to 18-inch, 2 to 3 leaves, showing character.....	15.00	
Oranges, best sorts, grafted, bearing size 12-inch, bushy, 4-inch pots.....	20.00		Not less than 50 of a kind at above prices.		
Ligustrum Amurense, true, 2 to 3-feet branched.....			per 1000, \$20.00		

Write for Wholesale and Descriptive Catalogue.

P. J. BERCKMANS CO., (Inc.)
 FRUITLAND NURSERIES.
 Established 1856. AUGUSTA, GA.

Please mention the American Florist when writing.

OUR TREES

Ficus, Ferns, Roses, etc. Correspondence solicited. Catalogue free. 50th year. 1000 acres.

THE STORRS & HARRISON CO., Box 260, Painesville, Ohio.

Fruits and Ornamentals.
 40 acres of Hardy Roses including 45,000 of the famous Crimson Rambler. 44 greenhouses of Palms, Catalogue free. 50th year. 1000 acres.

August Rölker & Sons,
 IMPORTERS OF
 Palms, Bay Trees, Auracarias, etc. Decorative Plants for spring delivery; Lily of the Valley, Lilacs, Forcing Bulbs, etc. for fall delivery; Raffia for Nurserymen and Florists. Address
 31 Barclay St. or P. O. Box 752, NEW YORK.
 Please mention the American Florist when writing.

J. DIJKHUIS & CO.
 BOSKOOP-HOLLAND.
 QUALITY. QUANTITY.
 Ask our prices for
 AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.
 Price List Free on Application.

KOSTER & CO.
 Hollandia Boskoop, Holland.
 HARDY AZALEAS, BOX TREES, CLEMATIS, CONFIFERS, HYDRANGEAS, PEONIES.
 Pot-Grown Plants for Forcing.
 RHODODENDRONS, H. P. ROSES, Etc.
 No Agents. Catalogue free on demand.
 Please mention the American Florist when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.
HARDY, FANCY ORNAMENTAL NURSERY STOCK.
J. Blaauw & Co.,
 BOSKOOP, HOLLAND.
 Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain
 Please mention the American Florist when writing.

Send to **THE MOON** Company
 For Trees, Shrubs, Vines Your and Small Fruits.
 Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.
 Morrisville, Pa.

Philadelphia Rambler.
 The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.
CRIMSON RAMBLER.
 Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.
The Conard & Jones Co., WEST GROVE, PA.
 Please mention the American Florist when writing.

California Privet...
 Per 1000
 12,000, 1 year, 18 to 24-inch, very bushy..... \$11.00
 15,000, 1 year, 12 to 18-inch, well branched... 8.50
CANNAS, Strong Eyes.
 Per 100 Per 1000
 5,000 Egandale..... \$1.00 \$8.00
 5,000 Charles Henderson..... 1.00 8.00
 5,000 Chicago..... 1.00 8.00
 2,000 Florence Vaughan..... 1.00 8.00
 2,000 Mme. Crozy..... 1.00 8.00
 15,000 Austria..... .75 5.00

We also have 6 000 Biota Rosedale in all sizes. This is the best florists' Evergreen in the list. Our stock will please you.
FURROW BROS., Guthrie, Okla.

Want a Beautiful Bed of Begonia?
 Order to-day our giant-flowering Begonia bulbs; \$2 50 per 100, \$22.00 per 1,000, f. o. b. New York. Sole proprietor of the entire stock of this profusely blooming Begonia grown in Holland. Only 15 000 left. **ORDER TO DAY.**
John Scheepers, 136 Water St., New York

THE Brockton Dahlia Farm.
 The largest and finest collection of Dahlias in the United States, consisting of all the leading varieties. Send for price list.
W. P. LOTHROP, East Bridgewater, Mass.
 Please mention the American Florist when writing.

VINCA VINES.
 We have a fine stock of Vinca Major in 3 and 4-inch pots. Place your order now for spring and summer delivery as stock is always scarce. Write for prices stating quantity wanted.
WAGNER PARK CONSERVATORIES, SIDNEY, OHIO.

Van der Weijden & Co.
 THE NURSERIES, BOSKOOP, HOLLAND.
 Wholesale Growers of Rhododendrons, Azaleas, Magnolias; Conifers, Taxus, all sizes and varieties. Pot grown plants for forcing. H. P. Roses in every quantity. Some Crimson Ramblers left, strong.
 No Agents. Catalogue Free. No Agents.

Always mention the American Florist when you order stock.

SPECIAL OFFER

OF A FEW GOOD VARIETIES OF WELL-SHAPED

CONIFERS AND OTHER PLANTS

ALL RECENTLY TRANSPLANTED, GROWN SINGLY AND SPECIALLY PREPARED FOR EXPORT.

"Articles not mentioned as transplanted in 1903 were moved in 1902."

Coniferae

	Per 10
<i>Abies Balsamea</i> , the balsam fir, (transplanted 19.3), 2½ to 4 feet.....	\$ 3.00
5¼ to 6½ feet.....	4.00
" <i>Cerulea</i> , the common blue fir, 2½ to 4 ft.	2.50
" <i>Concolor</i> , the most majestic of the blues, 2½ to 3¼ feet.....	6.00
" <i>Excelsa Aurea</i> , beautiful golden foliage, 5¼ to 6½ feet.....	10.00
" <i>Excelsa Argentea</i> , beautiful white foliage, 9 to 12 feet.....	50.00
" <i>Homolensis</i> , a new strong growing Abies from Japan, foliage white underneath, 2½ to 3¼ feet.....	6.00
4 to 5½ feet.....	9.00
" <i>Invars</i> , the weeping fir, very curious, 3¼ to 4¼ feet.....	10.00
" <i>Nigra Doulnetti</i> , dwarf, compact and blue with very small leaves, 5 to 5½ feet each.....	\$4.00
" <i>Nordmanniana</i> (transpl. 1903), 1 to 1½ feet	2.50
(transpl. 1903), 2 to 2½ feet	4.00
" <i>Orientalis</i> , 2½ to 3¼ feet, very small lvs., dark foliage, 2¼ to 3¼ feet...	5.00
" " 6½ to 8 feet.....	15.00
" " 8 to 9½ feet.....	20.00
" <i>Parryana Glauca</i> or <i>Pungens</i> , 1 to 1½ feet..	4.00
" " " 2 to 2½ feet.....	8.00
" " " (transplanted 1903), 2 to 2½ feet.....	8.00
" <i>Pinapo</i> , 2 to 2½ feet.....	5.00
" " 3 to 3½ feet.....	6.00
" " 4 to 5 feet.....	9.00
" " 5½ to 7 feet.....	15.00
" <i>Reginae Amellae</i> , one of the quickest growing Abies, 6½ to 8½ feet.....	10.00
9 to 11 feet.....	15.00
" <i>Romonti</i> , a dwarf, pyramidal and compact fir, 2½ to 3¼ feet.....	6.00
" <i>Araucaria Imbricata</i> , 1 to 1½ feet.....	6.00
" " 1¼ to 1¾ feet.....	12.00
" " 1¾ to 2 feet.....	17.00
" <i>Cedrus Atlantica Argentea</i> , well shaped plants, grown in pots, 3 to 3¼ feet.....	4.00
4 to 4½ feet.....	6.00
" <i>Cupressus Westermanni</i> , heavy drooping foliage of a beautiful golden tint, 2½ to 3 ft.	10.00
" <i>Juniperus Sinensis Variegata</i> , 2½ to 3¼ feet....	4.00
" <i>Larix Sibirica</i> , from true Siberian seed, curious pyramidal, compact tree; numerous red cones in the spring, 6 to 6½ feet....	4.00
6½ to 8 feet.....	6.00
" <i>Pinus Austriaca Nigra</i> , beautiful well-formed specimens, (transplanted), 2 to 2½ feet, per 100.....	\$12.00;
4½ to 6 feet.....	7.00
6 to 7½ feet.....	10.00

	Per 10
" <i>Taxus Baccata</i> , English Yew, (transpl. spring 1903), 2½ to 3¼ feet, per 100.....	\$15.00
(transpl. spring 1903), 3¼ to 4 feet, per 100.....	\$25.00
(transpl. spring 1903), 4¼ to 5¼ feet, per 100.....	\$35.00;
Transplanted, 3 to 4½ feet, per 100, 25.00;	3.00
Transplanted, 4½ to 5¼ feet, per 100.....	35.00;
4.00	4.00
Transplanted, 5½ to 6 feet.....	6.00
Transplanted, 6 to 6½ feet.....	10.00
" <i>Taxus Hibernica Pyramidalis</i> , 2½ to 3 feet.....	4.00
" <i>Thuja Compacta</i> , 2½ to 3¼ feet.....	2.50
" <i>Elwangeriana</i> , 4½ to 5 feet.....	5.00
" " 5¼ to 5¾ feet.....	8.00
" " 6 to 6½ feet.....	10.00
" <i>Lobbii Gigantea</i> , 5½ to 6½x3 feet through 6½ to 8 x 4 feet through.....	8.00
8 to 10 x 5 feet through.....	10.00
(transplanted), 2½ to 3 feet.....	2.00
(transplanted), 3 to 4½ feet.....	4.00
(transplanted), 5 to 6 feet.....	6.00
" <i>Lobbii Atrovirens</i> , dark green, (transpl.) 4½ to 5 feet.....	4.00
5 to 6 feet.....	6.00
" <i>Lobbii Aurea</i> , 5 to 6 feet.....	8.00
" " <i>Variegata</i> , certainly the best of variegated conifers, 5 to 6 feet.....	10.00
" <i>Occidentalis Pyramidalis Columnaris</i> , 5¼ to 5¾ feet.....	8.00
6 to 6½ feet.....	12.00
" <i>Tbuyopsis Dolabrata Variegata</i> , 2½ to 3 feet.....	6.00
" " 3¼ to 4 feet.....	10.00
" " 5 to 6 feet.....	16.00
" <i>Borealis</i> , 4½ to 5¼ feet.....	4.00
6 to 7 feet.....	6.00
" <i>Borealis Pendula</i> , a most elegant form, 2½ to 3 feet.....	5.00
3 to 4 feet.....	8.00
" <i>Variegata</i> , 3 to 4 feet.....	6.00

All above will move well and can be lifted with good, strong solid balls of earth.

Ornamental Standards

" <i>Acer Negundo Robustum "Lateflor."</i> , new, 3 year buos oo strong stems. Originated in our nurseries, regular variegated foliage, never burns, grows three times larger and quicker than the old variety.....	6.00
" <i>Aesculus Hippocastanum Floreplens</i> , 5 to 6 feet..	3.00
6 to 6½ feet.....	4.00
6½ to 7½ feet.....	6.00
8 to 9 feet.....	8.00
The true double-flowering horse Chestnut (grafted trees), fruitless variety suitable for street planting.	
" <i>Betula Pendula</i> , 10 to 11 feet.....	16.00
13 to 14 feet.....	24.00
The true silver bark variety, specimen trees with drooping branches all around the stem from the ground. These are grown in baskets to make growth certain.	

	Per 10
" <i>Juglans Sieboldii</i> , 9 to 10 feet.....	4.00
10 to 11 feet.....	6.00
11 to 12 feet.....	8.00

Beautiful ornamental tree, very quick grower, white bark, very long foliage.

Evergreen Shrubs

" <i>Buxus Elegantissima</i> , (Dwarf variegated Box), 1¼ to 1½ feet.....	6.00
Beautiful silver variegation showing as well in winter as in summer.	
" <i>Cotoneaster Buxifolia</i> , tall evergreen variety, 3 to 5 feet.....	3.00
" <i>Ilex Variegata</i> , 1¼ to 2 feet, per 100....	\$30.00;
3 to 3¼ feet.....	4.00
We grow mostly the best variety. T. Marginala Alba leaves liable to drop in transit.	
" <i>Mahonia Rotundifolia</i> , 1½ to 2 feet.....	4.00
The best variety, blooms very freely, large, compact, rigid spikes.	

Various

	Per 10	100
" <i>Carpinus Pyramidalis</i> , (Pyramidal Hornbeam), 8 to 10 feet.....	\$8.00	
" <i>Prunus Pissardi</i> , 4 to 5 feet.....	2.00	\$15.00
5½ to 6½ feet.....	3.00	25.00
Pruned bushy stuff, well formed bushes, many branches, fine roots.		
" <i>Populus Balfesna</i> , 5½ to 6½ feet.....	4.00	30.00
" <i>White Lilac</i> , 2½ feet.....	3.00	20.00
3½ to 5 feet.....	4.50	35.00
The best variety, well formed bushes.		
" <i>Spineless Gooseberries</i> , (3 varieties), ¾ to 1 foot.....	4.00	35.00
Almost entirely prickless, big red early fruit of good flavor.		
" <i>Larix Leptolepis</i> , true stock from Japanese seed variety much superior to European varieties in all respects, strong transplanted, 2-year plants, \$8 per 1000; \$76 per 10,000.		
" <i>Myrobeland Stocks</i> , 1st size, 2 to 3 feet, \$6.00 per 1000; \$56.00 per 10,000. 2nd size, 1 to 2 feet, \$4.00 per 1000; \$36.00 per 10,000. For edging or for stocks.		

Magnolia Grandiflora

Beautiful well-grown specimen plants all transplanted, all sure to grow.		Per doz.	100
3 to 4 feet.....	\$ 9.00	\$65.00	
4 to 5 feet.....	11.00	80.00	
5 to 5½ feet.....	15.00	100.00	
6 feet.....	18.00	130.00	
7 to 8 feet.....	24.00	160.00	

All above prices are for goods delivered **FREE TO HAVRE**. Packing extra carefully done and charged at **cost** price. We know how to pack all above safely and economically and can give the highest American references. We have many other good articles at advantageous prices. Please ask for catalogue.

LETTELLIER SON & CO.,

CAEN, Calvados, France.

OUR PASTIMES.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York. Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., Chicago, Ill.

At New York.

The New York Florists' Bowling Club met at Meagher's alleys, Twenty-third street and Tenth avenue, Monday evening, January 25, when the following scores were rolled:

Player	1st	2d	3d	4th
Lang.....	93	193		
Elliott.....	109	123		
Nugent.....	95	101	84	101
Craw.....	127	124	95	116
Traendly.....	136	141	187	116
Gibbs.....	140	141	112	118
Raynor.....	133	158	141	162
Frank.....	147	151	144	150
Shaw.....	141	138	138	121
Young.....	132	133	126	126
Siebrecht.....	156	158	137	161
Ford.....	157	164	160	186

After the bowling a meeting was held for the purpose of organizing and electing officers for the ensuing year, when the following were chosen: W. H. Siebrecht, president; Wm. P. Ford, secretary; John B. Nugent, Jr., treasurer; Theo. J. Lang, captain.

At Chicago.

The weekly bowling session was held Tuesday evening at the Geroux alleys. Four spirited games were rolled with the following scores. The ladies are manifesting a healthy interest in the games and their scores show a marked improvement week after week:

Player	1st	2d	3d	4th
Stevens.....	179	155	143	149
P. J. Hauswirth.....	154	149	184	136
G. Asmus.....	127	204	144	163
L. Kill.....	125	104	130	116
Winterson.....	130	143	150	187
J. Huebner.....	139	174	119	126
Assa.....	148	119	146	166
Kreitling.....	117	137	140	148
A. Lange.....		119	91	110
Balluff.....		174	157	196

LADIES.

Player	1st	2d	3d
Mrs. Asmus.....	71	94	72
Mrs. Hauswirth.....	90	101	104
Mrs. Lange.....	88	96	78
Mrs. Kill.....	75	96	68
Mrs. Kreitling.....	116	115	108
Mrs. Winterson.....	61	76	61

South Framingham, Mass..

J. T. Butterworth's collection of commercial orchids is rapidly increasing in extent and value. Mr. Butterworth is the only florist growing orchids as a specialty for the Boston cut flower market and is likely to hold his monopoly of this specialty for a long time. Orchid cultivation is one of the lines not likely soon to be done to excess or placed at the mercy of the "factories," for a thorough training and comprehensive knowledge of their cultural requirements is absolutely essential to success in flowering them and in maintaining the plants in healthy condition from year to year. That Mr. Butterworth is equipped with this indispensable prerequisite is obvious from the condition of the plants in his house which give evidence of sturdy growth and substantial yearly enlargement since they have come into his possession.

Cattleyas Percivaliana, Trianae, labiata and gigas, Laelias autumnalis and anceps, Coelogyne cristata var. Chatsworth, Oncidium varicosum Rogersii, Dendrobium Wardianum and Cypripedium

insigne of several varieties are the leading kinds in point of numbers and there are smaller quantities of other well-known species. At present Cattleya Percivaliana holds the center of the stage with a sea of bloom. A fair quantity of the flowers of this species were cut for Christmas. Trianae will come in next and are well supplied with promising buds. Among the Laelia anceps now blooming are two superb dark-flowered varieties and among the cattleyas several white or otherwise rare sorts have come to light.

Among the plants are many veterans with a record, some of which in bygone days have graced the exhibition tables of Horticultural hall. Coelogyne once the pride of James Cornley are of the number and grow side by side with former pets of Benj. Grey and David Allan. The oldest house on the place, once the property of the late C. J. Power and one of the oldest in the state, having been built in 1850, is a lean to that is rich in reminiscence of the early experiences of Joseph Tailby, W. W. Edgar, F. R. Mathison, John Forbes and other affluent worthies who successfully kept the flues agoing and operated the watering pot under the protection of its 6x8 glass in the days of yore.

Bulb culture has been a leading specialty with Mr. Butterworth from the start, but the former profits in this line are no longer possible. Tulips are now being brought in although it is still rather early for them and they require careful manipulation by shading and retarding after the flower has formed, to acquire a sufficient length of stem. The first Dutch hyacinths are already coming into bloom. French single trumpet narcissi are in abundance and will be followed by the larger and finer sorts which cannot be forced so rapidly. A house of callas, of which a good proportion are the dwarf-growing variety, attracts attention because of its perfect health and the abundance of the bloom. Mr. Butterworth states that he gives the pots a good top dressing of bone about the middle of November and no other stimulant, liquid or otherwise is used.

Hitchings & Company erected for Mr. Butterworth a fine carnation house 36x165 last summer in which the favorite varieties of the day are seen in prime condition.

NEWBURGH, N. Y.—The firm of F. J. A. Schaefer's Sons has been incorporated with a capital of \$50,000. The incorporators are Sadie A. Chadborn, F. C. Chadborn and G. F. Chadborn.



NEW LARGE-FLOWERING CALLA
CALLA DEVONIENSIS.

Blooming Callas From Seed In One Year
100 seeds, 75c; 1000 seeds, \$5.00.

STOCKS—Beauty of Nice

A very conspicuous and handsome new stock of quick growth, with flowers of very large size. The color is of a very pleasing daybreak pink. It is grown in large quantities in the south of France for shipment north. Under good culture the plants will grow 24 to 30 inches high. The seedlings will bloom in 10 weeks, and if the seed is sown by the end of May the plants will bloom in September when cut-flowers begin to get scarce, and continue to bloom during winter.

Beauty of Nice, pink, pkt. (250 seeds), 25c.
Beauty of Nice, Stock Pure White, trade pkt., 25c.

Vaughan's Seed Store,

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

—NEW CROP OF THE TRUE VARIETY JUST GATHERED—

Asparagus Plumosus Nanus



\$1.00 per 100 seeds; \$7.50 per 1000 seeds.
(Special price on large quantities.)

New Crop Flower Seeds.

Are now ready. The following should be sown early:

- Ageratum
- Asparagus
- Asters
- Begonias
- Browallia
- Cannas
- Carnations
- Celosias
- Cobaea
- Cyclamen
- Dracenas
- Grevillea
- Heliotrope
- Ipomaea
- Lantana
- Lobelias
- Maurandia
- Pansies
- Petunias
- Phlox
- Primula
- Pyrethrum
- Salvias
- Solanum
- Stocks
- Thunbergia
- Torenia
- Verbenas
- Vincas
- Etc., Etc.

All are described and offered in our current Wholesale Price List. Sent free to all florists.

HENRY A. DREER, Philadelphia.

Please mention the American Florist when writing.

CRUSADER

Has gradually and surely pushed its way to the highest rung of the ladder on the Chicago market. J. B. Deamud says it is the best selling Carnation. The retailers are fighting for them.

Mr. Geo. Wienhoeber says the color is ideal.

Mr. Jas. Wilson says: "It is a good thing; I was well impressed with it when at your greenhouses."

All the large growers of Chicago say it improves in every respect every time they see it.

CRUSADER will be grown in the middle west next year more exclusively than any other red. Why? Because they know what it is. Chicago, Detroit, Philadelphia, St. Louis have seen the blooms. Milwaukee will see it February 2, New Yorkers February 8. Don't miss it. Go to your Club and see it.

The rush for cuttings is on. Get your order in at once.

CRUSADER is a Seedling from the two well known varieties, Lawson and Crane. It can be grown successfully in a wide range of temperature, at from 46 to 54 degrees at night, as it never bursts the calyx. Form is always perfect. Produces strong stems from 20 to 30 inches in length, according to the season. It is a more robust and quicker grower than even the Lawson, and a freer bloomer. Color the same as Crane, and average size of bloom three to three and one-half inches, very full and slightly fringed. From 200 blooming plants, 100 blooms were picked that won the first prize at Kansas City, Fall, 1902.

PRICES:	
100	\$10.00
1,000	80.00
2,500	75.00 per 1,000
5,000	70.00 per 1,000
10,000	60.00 per 1,000

OTHER FINE VARIETIES READY NOW, BEST EVER GROWN

	100	1,000
FLAMINGO, grand scarlet.....	\$12.00	\$100.00
RELIANCE, white.....	10.00	80.00
LADY BOUNTIFUL, white.....	12.00	100.00
INDIANAPOLIS, cerise.....	12.00	100.00
THE BELLE, white.....	12.00	100.00
ALBATROSS, white.....	12.00	100.00

STANDARD VARIETIES.

WHITE.

GOV. WOLCOTT.....	\$4.00	\$30.00
HER MAJESTY.....	5.00	45.00
LILLIAN POND.....	5.00	45.00

VARIEGATED.

	100	1,000
PROSPERITY	\$2.50	\$20.00
MARSHALL FIELD.....	6.00	50.00

RED.

ESTELLE.....	3.00	25.00
PALMER	3.00	25.00
HARLOWARDEN, grandest crimson.....	6.00	50.00

PINK.

ENCHANTRESS.....	6.00	50.00
PRESIDENT MCKINLEY.....	6.00	50.00
NELSON.....	4.00	35.00
LAWSON	2.50	15.00

CHICAGO CARNATION CO., Joliet, Ill.

JAS. HARTSHORNE, MANAGER.

Hartford, Conn.

The Hartford Florists' Club held an interesting meeting January 12. It was "cyclamen" night and splendid specimens were shown. J. F. Huss had six plants for which he was awarded a diploma. P. Zuger, of Elizabeth park, was awarded a certificate of merit for his exhibit. They were large and well grown. John Coombs showed plants for which he received honorable mention. Mr. Huss also showed a well grown plant of *Platyclinis glumacea* in full flower. Messrs. R. L. Osborn, of Hartford, and Boddington, of New York, acted as judges. In a discussion on culture of cyclamens Mr. Osborn gave his experiences. After the plants become too large for 2½-inch pots he plants them out in frames, raises the sashes when it becomes necessary and waters when needed. In September he lifts the plants and puts them in 5 to 6-inch pots and shades them for a few days. He cuts a lot of flowers in the summer and by fall has plants as good as if they had been grown in pots and at half cost and labor. The next meeting will be the carnation night.

The annual meeting of the Connecticut Horticultural Society was held January 13. Although the society has given no exhibition, the year 1903 was especially profitable to the members since much work was done in preparing the state's horticultural exhibit for the St. Louis Exposition. Before this exhibit is sent away this spring it will be shown at a free exhibition to be given in this city in February. The society adopted resolutions lauding the movement for the preservation by the government of the big trees in California. The following elections for the ensuing year weremade:

- President—A. C. Sternberg, of West Hartford.
- Vice-president—Theodore Wirth, for Hartford county; J. X. Amrbyn, for New Haven county; D. A. Lyman, for Wyndham county; Edwin Hoyt, for Fairfield county; A. N. Pierson, for Middlesex county; T. H. Gold, for Litchfield county, and O. A. Leonard, for Tolland county.
- Treasurer—W. W. Hunt.
- Secretary and librarian—L. H. Mead.
- Statistician—G. A. Parker.
- Professor in vegetable physiology—G. A. Parker.
- Pomologist—A. C. Sternberg.
- Executive committee and committee on awards and premiums—A. W. Driggs, John Coombs, C. M. Rogers, F. W. Davis, J. F. Huss and E. S. Greer.

A fine exhibition of winter-blooming plants is now in progress at the Elizabeth park greenhouses. A house 100 feet long is filled with cyclamens, cinerarias, primulas, begonias, geraniums and carnations.

Mr. Huntsinger, principal of Huntsinger's Business College, will build a small greenhouse.

Karl Fohn, late of Bar Harbor, Me., has engaged as forester at Keney park.

Drake & Carlson will open a store on Main street.

Visitors:—Mr. Ringier, of Rutherford, N. J., and A. T. Boddington, of New York. R. K.

North Adams, Mass.

The florists and gardeners of Adams, North Adams and Williamstown met January 19 and organized a florists' club, to be called the Hoosac Valley Horticultural society. The following officers were elected:

- President—J. Hynes, of North Adams.
- Vice-president—F. D. Brown, of North Adams.
- Secretary—A. J. Schmutz, of North Adams.
- Treasurer—Mr. Maber, of Williamstown.
- Auditors—Mr. McClellan, of Williamstown and F. H. Pratt, of North Adams.

The next meeting will be held February 2. J. S.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

Flamingo.....	Per 100	Per 1000	Mrs. M. A. Patten.....	Per 100	Per 1000
Lady Bountiful.....	\$12.00	\$100.00	White Lawson.....	\$12.00	\$100.00
The Belle.....	12.00	100.00	Albatross.....	10.00	80.00
Indianapolis.....	12.00	100.00	Crusader.....	10.00	80.00
Nelson Fisher.....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

Enchantress.....	Per 100	Per 1000	Harlowarden.....	Per 100	Per 1000
Este le.....	\$6.00	\$50.00	Lillian Pond.....	\$6.00	\$50.00
Fragrance.....	4.00	30.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Golden Beauty.....	6.00	50.00	Pres. McKinley.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	The Queen.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00	White Bradt.....	6.00	

STANDARD SORTS.

America.....	Per 100	Per 1000	Morning Glory.....	Per 100	Per 1000
Cressbrook.....	\$1.75	\$15.00	Mrs. F. Joost.....	\$2.50	\$20.00
Enquirer.....	4.00	30.00	Mrs. H. N. Higinbotham.....	1.75	15.00
Ethel Crocker.....	2.50	20.00	Mrs. N. H. Nelson.....	4.00	35.00
Flora Hill.....	1.75	15.00	Mrs. Potter Palmer.....	4.00	35.00
Genevieve Lord.....	1.75	15.00	Mrs. Thos. W. Lawson.....	3.00	25.00
G. H. Crane.....	2.50	20.00	Norway.....	2.50	20.00
Gov. Roosevelt.....	1.75	15.00	Prosperity.....	1.75	15.00
Lorna.....	3.50	30.00	Queen Louise.....	2.50	20.00
Marquis.....	3.00	25.00	White Cloud.....	1.75	15.00
	1.75	15.00			

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

Please mention the American Florist when writing.

STRONGLY ROOTED CARNATIONS NOW READY.

GROWN OUT OF DOORS AND ROOTED WITHOUT HEAT.

WHITE.			SCARLET.				
	Per 100	1000	5000	Per 100	1000	5000	
Queen Louise.....	\$1.20	\$10.00	\$ 40.00	J. H. Manley.....	3.50	30.00	140.00
Flora Hill.....	1.20	10.00	40.00	G. H. Crane.....	1.20	10.00	40.00
Alba.....	3.40	30.00	125.00	America.....	1.20	10.00	40.00
Gov. Wolcott.....	3.40	30.00	125.00	Estelle.....	1.50	14.00	65.00
Norway.....	1.20	10.00	40.00	Mrs. Palmer.....	1.20	10.00	40.00
Lillian Pond.....	5.00	45.00	225.00	Apollo.....	3.50	30.00	125.00
Chicot.....	1.20	11.00	50.00	Adonis.....	7.00	65.00	300.00
Viola Allen.....	3.00	25.00	100.00				
PINK.			CRIMSON.				
Mrs. T. W. Lawson.....	1.40	12.50	60.00	Harlowarden.....	5.00	45.00	200.00
Mrs. Joost.....	1.00	10.00	40.00	Gov. Roosevelt.....	1.50	11.00	20.00
Mermaid.....	1.20	10.00	40.00				
Mrs. Roosevelt.....	6.00	55.00	225.00	YELLOW.			
Enchantress.....	6.00	50.00	225.00	Eldorado.....	1.00	9.00	35.00
Success.....	4.00	35.00	150.00				
President McKinley.....	5.00	45.00	200.00	VARIEGATED.			
Cressbrook.....	2.50	20.00	90.00	Marshall Field.....	5.00	45.00	200.00
				Stella.....	3.00	25.00	100.00
				Armazindy.....	1.00	9.00	35.00
				Prosperity.....	1.40	12.00	115.00

Unrooted Cuttings at one half above prices. 25 at 100 prices. 250 at 1000 prices. 2,500 at 5,000 prices. We prepay express charges and will ship C. O. D. with the privilege of examination, we assuming all the responsibility of Cuttings arriving in good condition and proving satisfactory.

Loomis Floral Co., Loomis, CAL.



Our 1st and 2nd Grade Tea Roses,

Many of our Customers tell us are better than others have sent them as higher grade. Then, you know, they are "fresh," sent to you same day they are cut. Prices on these grades are 3c and 5c.

Heller Brothers, SOUTH PARK FLORAL CO., New Castle, Ind.

Please mention the American Florist to advertisers.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 5 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2182 Park Ave. David S. Beach, Prop.

Please mention the American Florist when writing

CARNATIONS

Rooted Cuttings

—NOW READY—

Terms Cash or C. O. D with privilege of exempting at your Express Office.

	Per 100	Per 1000
5,000 Violina, 4-inch bloom, var.	\$12.00	\$100.00
40,000 Success, La France pink	2.00	15.00
5,000 Los Angeles, white	3.00	25.00
10,000 Golden Beauty, yellow	2.00	18.00
4,000 Gold Nugget, yellow	1.50	14.00
4,000 Stella, var.	3.00	25.00
7,000 Lorna, white	1.20	10.00
38,000 Mermaid, free salmon pink	1.20	10.00
42,000 America, scarlet	1.20	10.00
45,000 Mrs. P. Palmer, big red	1.20	10.00
60,000 White Cloud, white	1.00	9.00
30,000 Eldorado, yellow	1.00	9.00
44,000 Marquis, light pink	1.00	9.00
20,000 Argyle, pink	1.00	9.00
25,000 Gen. Gomez, crimson	1.00	9.00
27,000 Armazindy, var.	1.00	9.00
5,000 Viola Allen, var.	3.00	25.00

25 at 100 rates, 250 at 1000 rates. EXPRESS PREPAID BY US AT ABOVE PRICES.

HYBRID SEED, MIXED, Of above varieties, \$1.00 per 100; \$9.00 per 1000.

All Orders on Arrival are Packed to stand 3D Degrees Below Zero.

California Carnation Co.

A. MITTING, Mgr.
LOOMIS, CAL.

CARNATION CUTTINGS.

We now have ready good, well-rooted Cuttings, from the following varieties:

	100	1000		100	1000
Enchantress	\$6.00	\$50	Eldorado	\$2.50	\$20
Fair Maid	3.00	25	Manley	4.00	30
Fragrance	6.00	50	Adonis	4.00	30
The Queen	5.00	40	Lawson	2.50	20
Boston Market	4.00	30	Joost	2.50	20
Gov. Wolcott	5.00	40	Harlowarden	6.00	50
Bradt	3.00	25	Harry Fenn	5.00	40
Prosperity	3.50	20			

NEW VARIETIES FOR 1904—

	100	1000
Nelson Fisher	\$12.00	\$100.00
Mrs. M. A. Patten	12.00	100.00

All selected cuttings from healthy stock. Send in your order now and secure early delivery.

BACKER & CO., Long Dis Tel. BILLERICA, MASS.

CARNATIONS

Rooted Cuttings. Ready Now.

	Per 100	Per 1000
QUEEN LOUISE	\$1.50	\$12.50
LILLIAN POND	5.00	40.00
ETHEL CROCKER	1.50	10.00
MRS. E. A. NELSON	2.00	15.00
FLORIANA	1.50	12.50
ENCHANTRESS	6.00	50.00
ADONIS	6.00	50.00

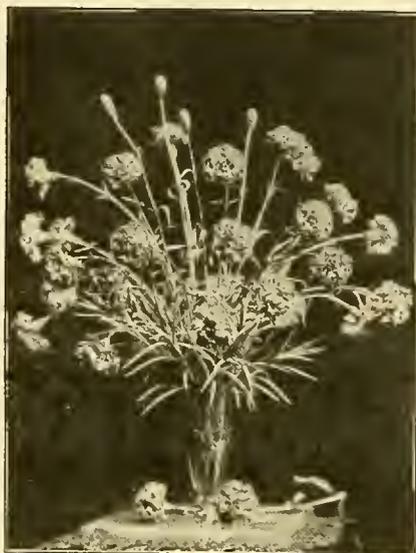
Send for estimates on complete order and list of other varieties.

ALBERT M. HERR, Lancaster, Pa.
Please mention the American Florist when writing.

Manetti Stocks

FOR SALE at \$12.00 to \$15.00 per 1000.

C. & C. L. PENNOCK, Lansdowne, Pa.



Please mention the American Florist when writing.

Indianapolis

The best bright pink carnation in sight. Come and see it growing. Awarded Certificate of Merit Indiana State Florists' Ass'n., Jan. 12, 1903. Scored 85 points Chicago, Nov. 18, 1903. Certificate of Merit, Cincinnati Florists' Club, Jan. 9, 1904. Certificate of Merit, Indiana State Florists' Ass'n., January 12, 1904. What more could you ask? \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

A FINE LOT OF STANDARD SORTS.

	Per 100	1000		Per 100	1000
McKinley	\$3.00		Floriana	2.00	18.00
Harlowarden	5.00		Q. Louise	2.00	18.00
Her Majesty	5.00		E. Crocker	1.50	12.50
Flora Hill	1.50	\$12.50	Lawson	2.00	18.00
Crane	2.50	20.00	G. Roosevelt	2.00	
Estelle	3.00	25.00	P. Palmer	3.00	
W. Cloud	1.50	12.50	E. A. Nelson	3.00	
Lorna	2.00	18.00	Apollo	3.00	
Viola Allen	3.00	25.00			

BAUR & SMITH,
330 W. 38th St., Indianapolis, Ind.

Please mention the American Florist when writing.

CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL	\$2.50	\$20.00	PERU	3.00	25.00
THE SPORT	2.50	20.00	WHITE CLOUD	2.50	20.00
MRS. LAWSON	3.00	25.00	AMERICA	2.50	20.00
MRS. HIGINBOTHAM	3.00	25.00			

ROSE CUTTINGS.

BRIDE	\$12.50	per 1000	IVORY	\$12.50	per 1000
BRIDESMAID	12.50	"	GOLDEN GATE	12.50	"

Lots of 500 at 1000 rate.

SINNER BROTHERS,

Wholesale Cut Flowers,

58-60 Wabash Avenue, CHICAGO.

NEW WHITE CARNATION FOR 1904.

The Bride

This variety was the winner of the first prize for best 100 white at the Carnation Convention Show in Brooklyn last February and is unquestionably the best white in sight.

PRICE, \$2.50 per Dozen; \$12.00 per Hundred;
\$100.00 per Thousand.

JOHN N. MAY, Summit, N. J.

Carnation Cuttings.

STRONG AND WELL ROOTED. READY NOW.

President McKinley, Fair Maid, Roosevelt, Wolcott, Lawson, Crocker and Dorothy. Other varieties a little later.

E. T. GRAVE, Richmond, Ind.

Please mention the American Florist when writing.

Cleveland, O.

The cut flower market is assuming large proportions. There is plenty of funeral work and decorations. A number of florists have stated that the cold weather has been too severe for their business, but in spite of this discouraging fact large quantities of cut flowers are used daily. The two wholesale cut flower firms, Bate Brothers and F. R. Williams, have incorporated, the business to be known as the Cleveland Cut Flower Company. It will be located at 52 and 54 High street. They have a large store, 40x80 feet, the office and show room being partitioned off from the main part. The firm will do a general cut flower business.

Godfrey Lendy, florist at the Cleveland State Hospital, is an enthusiastic designer with carpet bedding plants. He contemplates large additions along that line this spring. They have a large working force there, and Mr. Kalm supervises the potting shed and Martin is busy making flats for cannas.

G. Hammel & Sons, west side lettuce growers, have devoted some of their houses to the growing of plants and cut flowers.

James Wilson of Eddie road is sending in some superb carnations, Enchantress, Lawson, Joost and others.

J. Houska has established a store at 963 Broadway. O. G.

Milwaukee.

Cold weather, the mercury going as low as 25° below zero, has made trade quiet. Business is very erratic. One day there is a rush, the next day nothing doing; but in some lines there is nothing doing all the time, especially in violets, which have sold at lower prices than any previous season. Roses are in good demand and are cleaned out well but there are enough carnations to go around at all times. Bulbous stock is slow sale at present excepting daffodils, which have just made appearance. Green goods are selling well.

Mr. and Mrs. Edlfsen have been spending a few weeks with their daughter in Pittsburg.

The Milwaukee Florists' Club will have a carnation show at its next meeting February 2 in the club rooms, Empire building.

A. Billings is bringing in some fine tulips, among them some well colored La Reine. H.

Providence, R. I.

At last we may consistently report a brighter prospect. For the last two months things have not been indicative of good business and we have seriously felt the trade shortage and poor collections. It may be the present good call for design work will last until Easter. The last week has done wonders in the the way of restoring confidence and creating a more ambitious feeling.

Roses and carnations are in good supply and show a tendency to firmer prices, although there is no real increase over present figures. Carnations seem to have perceptibly fallen off in quality and retail customers are prompt to notice this. Violets remain slow at 50 cents per hundred wholesale. Carnations bring \$1.50 to \$2.50 and roses \$3 to \$6 for nice flowers. M.

WAUKESHA, Wis.—J. G. Robinson & Son are picking some exceedingly fine violets this season.

"A Wee Wail From The Woods(man)"

"QUALITY COUNTS"

("That's All.")

This stock can be had ONLY direct from the introducers or their Agents:

J. B. DEAMUD, Chicago, Ill.	W. F. KASTING, Buffalo, N. Y.
LEO. NIESSEN, Philadelphia, Pa.	GEO. M. KELLOGG, Kansas City, Mo.
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.	
REED & KELLER, New York City.	
HOLTON & HUNKEL, Millwaukee, Wis.	H. G. BERNING, St. Louis, Mo.
BARTELDES & CO., Denver, Colo.	

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

CARNATION CUTTINGS

WELL ROOTED. CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

PINK.	Per 100	1000	RED.	Per 100	1000
Enchantress	\$6.00	\$50.00	Palmer	\$2.00	\$15.00
Morning Glory	2.00	15.00	Estelle	2.00	15.00
Higinbotham	1.50	12.50	Harlowarden	3.00	25.00
Lawson	1.50	12.50	WHITE.		
Guardian Angel	1.25	10.00	Her Majesty	3.00	25.00
Cressbrook	1.50	12.50	White Cloud	1.50	12.50
			Flora Hill	1.50	12.50

Rooted Rose Cuttings.

	Per 100	1000		Per 100	1000
Bride	\$1.50	\$12.50	La France	\$2.00	\$15.00
Bridesmaid	1.50	12.00	Meteor	1.50	12.50
Ivory	1.50	12.50	Liberty	3.00	25.00
Golden Gate	1.50	12.50			

WIETOR BROS., Wholesale Growers of
Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

NOW READY **Carnations** FOR SHIPMENT.

BEST AND MOST STRONGLY ROOTED CARNATIONS ON THE MARKET.

WHITE.	Per 100	1000	5000	PINK.	Per 100	1000	5000
Queen Louise	\$1.20	\$10.00	\$40.00	Mrs. T. W. Lawson	1.40	12.50	60.00
Gov. Wolcott	1.20	10.00	40.00	Marquis	1.00	9.00	35.00
White Cloud	1.00	9.00	35.00	Mrs. Joest	1.20	10.00	40.00
SCARLET.				VARIEGATED.			
America	1.20	10.00	40.00	Armazindy	1.00	9.00	35.00
CRIMSON.				Prosperity	1.40	12.50	60.00
Gov. Roosevelt	1.20	11.00	50.00				

EXPRESS PREPAID TO ANY DESTINATION. SATISFACTION GUARANTEED OR YOUR MONEY BACK.

LOOMIS CARNATION CO.
LOCK BOX 115. LOOMIS, CAL.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS.

Special quotations on Gov. Wolcott, Lawson and Palmer in large lots.

	Per 100	1000		Per 100	1000
Enchantress	\$5.00	\$45.00	Prosperity	2.00	18.00
Gov. Wolcott	3.50	30.00	Lillian Pond	3.00	25.00
2000 and over, \$28.00 per 1000.			Palmer	1.60	12.50
Lawson	1.50	12.50	3000 and over, \$11.00 per 1000.		
2000 and over, \$11.00 per 1000.			Joost	1.60	12.00

Stock mums of Merry Christmas and Eaton, big clumps, \$1.00 per dozen.
Booking orders for 2 1/4-inch roses and mums for spring delivery. Get your orders in and secure good stock. Send in list for estimate.
POEHLMANN BROS. CO., Morton Grove, Ill.

Please mention the American Florist when writing.

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy, flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....	\$.75	100 Plants and over and less than 1,000, each	\$.25
12 Plants, each.....	.60	1,000 Plants and over, each.....	.20
25 Plants, each.....	.50	3-inch pot plants, 5c each additional.	
50 Plants and over and less than 100, each.....	.30		

PRICES OF GRAFTED STOCK GIVEN ON APPLICATION.

JOHN BREITMEYER'S SONS,

Gratiot and Miami Aves., DETROIT, MICH.

ROSE PLANTS. STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

	Per 100	1000		Per 100	1000
MME. CHATENAY.....	\$6.00	\$50.00	MAID.....	\$3.00	\$25.00
SUNRISE.....	5.00	40.00	BRIDE.....	3.00	25.00
KAISERIN.....	4.00	35.00	PERLE.....	3.00	25.00
LIBERTY.....	6.00	50.00	GOLDEN GATE.....	3.00	25.00
			IVORY.....	3.00	25.00

ROSE CUTTINGS—Well Rooted.

	Per 100	1000		Per 100	1000
IVORY.....	\$1.50	\$12.50	GOLDEN GATE.....	\$1.51	\$12.50
MAID.....	1.50	12.50	PERLE.....	1.50	12.50
BRIDE.....	1.50	12.50	SUNRISE.....	3.50	30.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		Per 100	1000	WHITE.		Per 100	1000
MRS. LAWSON.....		\$1.50	\$12.50	MURPHY'S WHITE.....		\$3.00	25.00
MRS. E. A. NELSON.....		2.50	20.00	FLORA HILL.....		1.25	10.09
GUARDIAN ANGEL.....		1.25	10.00	WHITE CLOUD.....		1.25	10.00
MRS. HIGINBOTHAM.....		2.00	15.00	PERU.....		1.25	10.00
SYBIL.....		3.00	25.00	QUEEN LOUISE.....		1.25	10.00
McKINLEY.....		3.00	25.00	NORWAY.....		1.25	10.00
JOOST.....		1.25	10.00	MARION.....		1.25	10.00
				GOV. LOWNDES.....		3.00	25.00
VARIEGATED.				RED.			
MRS. BRADT.....		2.00	15.00	ESTELLE.....		2.50	20.00
PROSPERITY.....		2.00	15.00	MRS. INE.....		1.25	10.00
				CHICAGO (Red Bradt).....		2.00	15.00
				HARLOWARDEN.....		3.00	25.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Healthy Carnations.

Well Rooted. Enchantress, all sold till March 15th, \$6.00 per 100; \$50.00 per 1000. Strong, 2-inch pots now ready, \$8.00 per 100. Now ready, Queen Louise, Flora Hill, Lorna, White Cloud, Peru, Innocence, Lawson, Floriana, Prosperity, Dorothy, Marquis, Pres. Roosevelt, Manley. \$2.00 per 100; \$17.50 per 1000.

W. W. COLES, Kokomo, Ind.

Strong, well rooted Carnation Cuttings.

White Bradt, White Sport of Mrs. Geo. M. Bradt.
\$1.50 per 25; \$5.00 per 100; \$22.00 per 500.
Cash with order or C. O. D.

JOHN E. STEN, REDWING, MINN.

Rooted Cuttings

CHOICE WELL ROOTED STOCK.

American Beauty, \$3.50 per 100; \$30.00 per 1000. Bride, Bridesmaid, Golden Gate, Ivory, \$1.50 per 100; \$12.50 per 1000.

L. L. MAY & CO., St. Paul, Minn.

New Bedford, Mass.

"Now comes the winter of our discontent." This is a winter that will show what your boiler is good for, and how much more heating pipe to put in next summer. A good many people know to their sorrow much more about heating greenhouses than they did. Probably half the greenhouses about here got nipped a little, or more than a little, by Jack Frost. The extreme cold weather all through January with the streets all the time a glare of ice had a very bad effect on the flower business. People would not come out in such weather. All the retail stores are feeling it keenly. But probably the bluest lot of people are the small growers who sell mostly at wholesale. The retail stores have heretofore bought their flowers here but this winter they have been buying out of town, so the poor growers are left out in the cold, not only by Jack Frost, but by the florists. One thing the retail stores have had to be thankful for in the past is that department stores and flower peddlers have not been troublesome, but now a change may come.

The annual election of the New Bedford Horticultural Society was held in the Y. M. C. A. building January 12 with the following result:

- President—William Keith.
- Vice-president—Peter Murray.
- Clerk—Joseph C. Forbes.
- Assistant clerk—George W. Woods.
- Treasurer—William F. Turero.
- Executive Committee—Dennis Shea, Peter Murray, James Garthley, August H. Jahn and A. J. Fish.

After the meeting a supper was held at Wickham's cafe, Purchase and High streets, thirty-one plates being laid. President Keith acted as toastmaster and Thomas Gray of Boston was the guest of the evening. The Horticultural Society is now just a year old. The treasury is in good condition, and the membership roll contains sixty-five names.

On January 14 the Florists' Club was invited by one of its members, Mr. Hoxie, of Mattapoisett, to hold its regular meeting at his house and not to eat any supper before coming. So the club to the number of fifteen took the car six miles to Mattapoisett and were royally entertained by Mr. and Mrs. Hoxie. They had a discussion on boilers and heating greenhouses and then took the last car for home.

H. N. V. Soule, who started a store at the north end, could not make it pay and has opened another one nearer the center of the city.

It is rumored the Richard Nofftz will open a store about March 1.

A. B. H.

Rooted Cuttings—Roses

American Beauty.....	Per 100	100
Bride, Maid, Ivory, Gate.....	\$3.00	\$30.00
Perle, Kaiserio, Meteor, Canadian Q'n	2.50	22.50
Write your order for 2½ or 3-inch stock later delivery. We guarantee this strongly rooted healthy stock and extra good value. Twenty leading varieties of stock "Mums and R. C." at lowest rates. Boston Ferns, \$4.00 to \$35.00 per 100. In excellent condition.		

W. H. CULLETT & SONS, Lincoln, Ill.

Please mention the American Florist when writing

COLEUS

in red, yellow and mixed varieties, both rooted cuttings and 2 inch stock. **CARNATIONS**—Fisher, Joost, for summer blooming in both rooted cuttings and 2 inch. Crane, Wolcott, Norway, Queen Louise, Lawson and Guardian Angel.

Wri **GEO. A. KUHL, Pekin, Ill.** For Prices
Please mention the American Florist when writing.

500,000
Unrooted Carnation Cuttings

NOW READY. SHORT JOINTED, HEALTHY

White.	Per 1000	Scarlet.	Per 1000
Queen Louise.....	\$ 5.00	America.....	\$ 5.00
Alba.....	12.50	Apollo.....	12.50
Los Angeles.....	12.50	Crimson.	
Norway.....	5.00	Harlowarden.....	20.00
White Cloud.....	5.00	Gen. Gomez.....	5.00
Lorna.....	6.00	Variegated.	
Pink.		Violanita (4-inch bloom best var.)..	50.00
Lawson.....	8.00	Marshall Field.....	20.00
Argyle.....	4.00	Stella.....	12.50
Mrs. Joost.....	5.00	Armazindy.....	5.00
Mermaid.....	5.00	Viola Allen.....	12.50
Wm. Scott.....	5.00	Mrs. Bradt.....	7.00
Triumph.....	5.00	Yellow.	
Dorothy.....	6.00	Golden Beauty.....	8.00
		Eldorado.....	5.00
		Gold Nugget.....	7.00

TERMS:—Cash or C. O. D. with privilege of examination. 500 at 1000 rates.

CALIFORNIA CARNATION COMPANY,
LOOMIS CALIFORNIA.

CARNATIONS Rooted Cuttings.

Clean, Healthy, Well Rooted Stock.

	Per 100	1000		Per 100	1000
Flora Hill.....	\$1.50	\$12.50	Crane.....	\$2.00	\$15.00
Prosperity.....	2.50	20.00	America.....	2.00	15.00
Lawson.....	2.50	20.00	G. Beauty.....	5.00	40.00
Marquis.....	1.75	15.00	Gaiety.....	3.00	25.00
Melba.....	1.50	12.50	Gov. Roose-		
Dorothy.....	3.00	25.00	velt.....	3.00	25.00
McKinley.....	5.00	45.00	Harlowarden	8.00	50.00
E. Crocker.....	1.50	12.50	Joost.....	1.75	15.00
G. Lord.....	1.75	15.00	Chicago.....	2.00	15.00
Mrs. Nelson.....	3.50	30.00			

We also have a few of 1903 varieties not listed. Write for information.

The MIAMI FLORAL CO.,
Dayton, Ohio.

Please mention the American Florist when writing.

ROOTED
CARNATION CUTTINGS.

	Per 100	1000
G. H. Crane.....	\$2.50	\$20.00
Mrs. Lawson.....	2.00	17.50
Mrs. Joost.....	1.50	12.50
Ethel Crocker.....	1.50	12.50
Wm. Scott.....	1.50	12.50
Flora Hill.....	1.50	12.50
Queen Louise.....	1.50	12.50
Norway.....	1.50	12.50

Cash or C. O. D.

ST. LOUIS CARNATION CO., Clayton, Mo.

Please mention the American Florist when writing.

HEALTHY CARNATIONS.

Stock Guaranteed. Come and See Before Buying.

	Per 100	1000
White Cloud.....	\$1.50	\$12.50
Queen Louise.....	1.75	15.00
Bradt, variegated.....	3.00	25.00
Prosperity, variegated.....	2.50	20.00
Lawson, pink.....	3.00	25.00

Cuttings guaranteed. Healthy and clean and sold C. O. D. or Cash with order.

A. LAUB & SON,
Hughsonville, Dutchess Co., N. Y.

All the Best CARNATIONS

The Leading Novelties of 1904.
The Best Varieties of 1903.

All the Standard Sorts.
Order your Rooted Cuttings NOW.
GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

ROOTED
CARNATION CUTTINGS.

	Per 100	1000
Crane.....	\$2.50	\$20.00
America.....	2.50	20.00
Potter Palmer.....	2.50	20.00

PINK		
Lawson.....	1.50	12.50
Dorothy.....	1.50	12.50
Nelson.....	2.50	20.00
Guardian Angel.....	1.50	12.50
Triumph.....	1.50	12.50
Joost.....	1.25	10.00
Crocker.....	1.25	10.00

WHITE		
Flora Hill.....	1.25	10.00
White Cloud.....	1.25	10.00
Queen Louise.....	1.50	12.50
Norway.....	1.50	12.50

LIGHT PINK.		
Euchatress.....	5.50	50.00
Higinbotham.....	2.50	20.00
Moruog Glory.....	2.50	20.00

VARIEGATED.	2.50	20.00
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ROSE CUTTINGS.		
Bridesmaid.....	1.50	12.50
Bride.....	1.50	12.50
Ivory.....	1.50	12.50
Golden Gate.....	1.50	12.50
Perle.....	1.50	12.50

Geo. Reinberg,
51 Wabash Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

SPECIAL OFFER
Carnation Cuttings.

READY FOR SHIPMENT.

Having a surplus of the varieties in heavy print will make special price for 15 days. Our stock is perfection and free from disease.

Pink.	Per 100	1000	White.	Per 100	1000
Euchantress.....	\$5.50	\$50.00	Glacier.....	1.50	14.00
Nelson.....	2.50	18.00	White Cloud.....	1.25	10.00
Lawson.....	1.50	12.50	Flora Hill.....	1.25	10.00
Joost.....	1.25	10.00	Scarlet.		
Marquis.....	1.25	10.00	Crane.....	1.50	14.00
Enquirer.....	2.50		Apollo.....	3.50	30.00
Dorothy.....	1.50		Estelle.....	2.00	14.00
White.			Crimson.		
Gov. Wolcott.....	3.50	30.00	Harry Penn.....	3.50	30.00
Boston Market.....	3.50	30.00	Variegated.		
Innocence.....	1.50		Prosperity.....	1.50	12.50

Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. CASH.

The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.

Please mention the American Florist when writing.

St. Paul.

The present cold weather is the most severe on record, the thermometer not rising above 20° below in forty-eight hours and dropping as low as 35° below. One grower reported 43° below. We have heard of no damage, but it will be a close shave if everybody pulls through all right. Stock seems plentiful, especially bulbous stuff. As soon as the weather moderates it will move well.

Axel Hallstrom, formerly in charge of James J. Hill's private place, has been succeeded by H. C. Coates, formerly with Mendenhall's in Minneapolis. At a recent visit to Mr. Hill's greenhouses some good orchids were seen, plants of Dendrobium Wardianum in fine bloom.

William Speth, with Holm & Olson, and his wife had a close call from coal gas asphyxiation Sunday night. By prompt medical aid they were brought around all right.

Dr. R. Schiffman, who has the largest collection of orchids in the west, left last Saturday for his annual trip to the Philippines. He will be gone four or five months.

R. C. Sugar had the smokestack of his plant blown down in a heavy wind storm recently. O.

Minneapolis, Minn.

The Florists' Club will give a social dance February 4. Tickets and invitations are out to the number of 300. The event will take place at the fourth ward wigwam, Western avenue and Ninth street. Will Desmond, Otto Will and John Monson, of the executive committee, have the affair in charge.

There has been a heavy funeral trade. Social functions were few. White stock was in demand and scarce, excepting bulbous flowers. The carnation and rose cut is very small, owing to off crop followed by extreme cold weather.

John Vasatka of Chicago avenue called on the writer Saturday. John is always in the best of spirits and is a good entertainer. He has been a great experimenter with medicines and has a remedy for each ill.

The nursery edition of the Minneapolis Journal issued under the management of H. L. Patthey, January 18, met with decided success.

Oscar Swanson has had a week of heavy funeral orders. C. F. R.

DOBBS FERRY, N. Y.—The regular meeting of the Dobbs Ferry Horticultural Association was held in Odd Fellows hall, January 16. President Henderson was in the chair. Two new members were elected. An essay was read by Mr. Henderson for which he received a vote of thanks. J. B.

CARNATION CUTTINGS...

FROM SOIL.

The Queen, extra selected, \$5.00 per 100; \$40.00 per 1000. Cash please. Satisfaction guaranteed. Special prices on large lots.

H. A. JAHN, NEW BEDFORD, MASS.

CARNATIONS.

Fine, strong, well-rooted cuttings now ready.

- ENCHANTRESS, \$6.00 per 100; \$50.00 per 1000.
- LILLIAN POND, \$5.00 per 100; \$40.00 per 1000.
- PROSPERITY, \$3.00 per 100; \$25.00 per 1000.
- LAWSON, \$3.00 per 100; \$25.00 per 1000.
- THE QUEEN, Jan. delivery, \$5 per 100; \$40 per 1000.
- LARCHMONT NURSERIES, Larchmont, N. Y.

Seasonable Plants for Forcing



HARDY AZALEA MOLLIS FOR EARLY FORCING. These brilliant colored hardy varieties are becoming more popular every season for early forcing. We offer a nice lot of well-budded plants, 15 inches high, \$4.50 per dozen; \$35.00 per 100.

RHODODENDRONS, Early-Flowering Varieties for Easter Forcing. If you have never used these give them a trial, you will find them useful not only for decorating, but your retail customers will buy them freely and at profitable prices. We offer a fine lot of bushy plants, well set with buds

18 to 24 in. high, \$1.00 each; \$11.00 per doz.; \$90.00 per 100.
24 to 30 in. high, \$1.50 each; \$15.00 per doz.; \$115.00 per 100.

DEUTZIA LEMOINEI and GRACILIS ROSA. Very strong, two years old, field-grown plants, suitable for 6 and 7-inch pots, \$1.00 per dozen; \$8.00 per 100.

LILACS FOR FORCING. Charles X, red, and Marie Legraye, white, in strong pot-grown plants, well set with buds, \$6.00 per dozen; \$45.00 per 100.

HENRY A. DREER,
Philadelphia, Pa.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.

AMERICAN BEAUTY ROOTED CUTTINGS

This stock is from good, clean, healthy wood, will be free from spot and thoroughly rooted when sent out. Money refunded if not perfectly satisfactory upon return of stock. \$3.00 per 100; \$25.00 per 1000.

J. A. BUDLONG, Wholesale Grower of Cut Flowers,
37-39 Randolph Street,
CHICAGO, ILL.

Please mention the American Florist when writing.

SEND TO

Eastern Nurseries, JAMAICA PLAIN, MASS.
FOR VINCA MINOR

FINE LARGE CLUMPS.

FOR SALE CHEAP.

Need a Good Scarlet?

Take my word for it and order Flamingo. There is nothing better, nor more profitable in sight. I can also supply the following varieties: Albatross, Lady Bountiful, The Bell, Moonlight, Nelson Fisher, Mrs. Patten and Indianapolis, \$12.00 per 100; \$100.00 per 1000.

The Queen An excellent commercial white of last year's introduction, \$5.00 per 100; \$40.00 per 1000.

S. S. SKIDELSKY,
708 North 16th St., PHILADELPHIA, PA.
Please mention the American Florist when writing.

CARNATION CUTTINGS.

	Per 100	1000
Enchantress	\$6.00	\$50.00
Queen	5.00	40.00
Lillian Pond	5.00	45.00
Prosperity	2.50	20.00
Lawson	2.50	20.00
Crossbrook	2.50	20.00
Challenger	2.50	21.00
Fair Maid	3.00	25.00
Harry Fenn	5.00	40.00
Gen. Maceo	2.50	20.00
Queen Louise	2.00	15.00
Brad.	3.00	25.00

C. WARBURTON, Fall River, Mass.
Please mention the American Florist when writing.

Chatanooga, Tenn.

Work has been completed on the large new flower garden and greenhouses which have been built by Karsten Brothers at Blowing Springs, Ga., a short distance beyond St. Elmo and about seven miles from the city. The new garden has been built at an expense of \$10,000 and is one of the largest in the south. A tract of land of six acres is required for the greenhouses and the buildings are supplied with the latest appliances. Seven large greenhouses have been erected and many other smaller buildings constructed. Frank Phillips, recently of Nashville, has arrived to take charge of the new garden. All the stock sold by the firm will be grown hereafter at the new garden and the greenhouses in the city will be converted into display and salesrooms. John and Charles Karsten have built up their business to such an extent that the old quarters were entirely too small to meet the demands and the new greenhouses were a necessity. It is the intention of the firm to make extensive improvements on their city greenhouses.

Lenox, Mass.

The regular meeting of the Lenox Horticultural Society was held in the society's rooms, January 16. W. A. Manda, of South Orange, N. J., delivered a very interesting essay on "Evergreens for Winter Landscape Effect." Mr. Manda had about 200 samples of conifers and evergreen shrubs for illustrating his essay which fully covered the essential points of the subject. A hearty vote of thanks was given the essayist.

There were several vases of cut flowers on exhibition. A cultural commendation was awarded to Elm Court farm, for some fine spikes of Vanda cœrulea. Among other exhibits were two fine vases of Cypripedium villosum, from E. J. Norman, Erskin Park.

G. F.

CYCLAMEN PLANTS.

Cyclamen Persicum Splendens Giganteum, finest strain in the world in four colors, from 4-in. pots \$12.00 per 100. PRIMULA CHINENSIS FIMBRIATA, (fringed Primroses). No finer strain, all colors, 3-in. pots, \$5.00 per 100.

PAUL MADER, E. Stroudsburg, Pa.

Chrysanthemums...

American Novelties. Also a complete line of Australian, English and French varieties, both new and standard sorts. For prices and descriptions address

NATHAN SMITH & SON, ADRIAN, MICH.

SPECIALTIES

ROSES, from 3-inch pots, **In Best**
CARNATIONS, for all delivery, **Varieties**
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Geo. Wittbold Co.,

1557 Buckingham Pl., CHICAGO, ILL.

Send for Price List on all

Palms and Ferns

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. **60 Varieties.**

Rooted Cuttings, 60c per 100; \$5.00 per 1000; \$45.00 per 10,000.
Plants, \$2.50 per 100; \$20.00 per 1000.

CARNATIONS.

White.	Per 100	Pink.	Per 100	Crimson.	Per 100
The Queen.....	\$5.00	Enchantress.....	\$6.00	Harry Fenn.....	\$5.00
Queen Louise.....	1.50	Success.....	4.00	Gov. Roosevelt.....	2.50
Lorna.....	2.50	Mrs. Higinbotham.....	5.00	Gen. Maceo.....	1.50
Good Enough.....	2.00	Cressbrook.....	3.00		
White Cloud.....	1.50	Mrs. E. A. Nelson.....	3.00	Variegated.	
Flora Hill.....	1.50	Mrs. Thos. Lawson.....	3.00	Prosperity.....	2.50
		Dorothy.....	2.00	Mrs. G. M. Bradt.....	3.00
Red.		Sunbeam.....	2.50		
Adonis.....	6.00	Morning Glory.....	1.50	Yellow.	
Mrs. Potter Palmer.....	3.00	Mrs. Joost.....	1.25	Dorothy Whitney.....	5.00
J. H. Manley.....	4.00	Daybreak.....	1.25	Buttercup.....	3.00
Oriole.....	2.50	Wm. Scott.....	1.25	Gold Nugget.....	2.00
G. H. Crane.....	2.00	Crocker.....	1.25	Eldorado.....	1.25
Jubilee.....	1.50	Mermaid.....	2.00		
Portia.....	1.25	Floriana.....	1.50		

GRAFTED ROSES.

Our grafted roses are fine, bushy plants and grow in 3 and 3½-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. **Send for Catalogue.**

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

'MUM STOCK PLANTS.

Strong plants, carefully packed, of the following varieties at \$4.00 per 100; 60c per dozen: Bonafon, Robinson, Modesto, Murdoch, Childs, Glory of the Pacific, Ivory, pink and white, Mootmort and Wanemaker. **Stevia**, stock plants from bench or pots, \$5.00 per 100; 75c per dozen.

We are headquarters for **Carnation, 'Mum** and **Stevia** cuttings in season.

John Brod, Wholesale Florist, NILES CENTER, ILL.

GERANIUMS.

Well-rooted cuttings of Jean Viaud, Mme. Bruant, Riccard, Nutt, Perkins and La Favorite. The six best headers, \$1.10 per 100; \$10.00 per 1000. Unrooted cuttings of same 75c per 100; \$6.50 per 1000. Will prepay express on above in the United States for 15c per 100; \$1.25 per 1000. Burbank's New **Shasta Daisy**, strong seedlings, 60c per 50; \$1.00 per 100. Will bloom early in summer **Giant Pansies**, choice strain, stocky plants, 40c per 100; \$3.00 per 1000. Cash with order. Express prepaid on Daisies and Pansies.

Des Moines Plant Co., 513 38th Street, DES MOINES, IOWA.

GERANIUMS Rooted Cuttings.

	Per 100	1000
Buchner.....	\$1.50	\$10.00
Jean Viaud.....	2.00	12.50
M. de Castellane.....	2.00	15.00

Send for list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

DAHLIAS. POT ROOTS.

Ten Gold Medals Awarded 1903. Pot-roots for shipment at once. Every section including the popular Cactus Dahlias at \$4.00 per 100 in 25 sorts. Better and newer kinds at \$5.00 and \$6.00 per 100. Terms: Cash with order.

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TO MAKE ROOM we offer large, strong, perfect plants at a sacrifice price.

From bench, large 5-inch stock.....	\$15.00 per 100
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From 5-inch pots.....	20.00 per 100
From 6-inch pots.....	30.00 per 100
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Currie Bros. Co. Milwaukee, Wis.

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Decorative Stock.

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ROBT. CRAIG & SON, Roses, Palms

and Novelties in Decorative Plants, Market and 49th Sts., Philadelphia, Pa.

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We Must Have Room

and offer a lot of ten thousand (10,000) Geraniums in 2½ and 3-inch pots at a special discount from regular prices. Have them in all the popular shades of Red, White, Pink and Salmon. Get your order in early, as these are a bargain. Write

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Runners from Bench, at \$1.50 per 100, if taken at once. Cash please.

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 Rooted Cuttings Prepaid. **SALVIA**, Silver Spot, Splendens. **STEVIA**, variegated, 90c per 100.
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We have a fine stock of the above which we will offer until the stock is reduced at the following prices:

	Per 100
Asparagus Sprengerii, 2-inch	\$2.00
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Asparagus Plumosus, from flats	2.25
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" " 2 1/2-in. pot, 15-18 in., 3-4 leaves	15.00
" " 3-in. pot, 15-18 in., 4-5 leaves	18.00
" " 3-in. pot, 18-24 in., 5-6 leaves	20.00
Lafania Bor., 2-in. pot, seed leaves	5.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
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" " 5-in. pot, 20-24 in., 4 chr. lvs.	30.00

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Asparagus...

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Plumosa Nanus, 2-inch pots	\$2.50
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BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$45.00.
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2 1/2-inch at \$8.00 per 100.
 Young plants from the bench, \$5.00 per 100.
 Large plants ready for 6 and 7-inch pots, 50c each.

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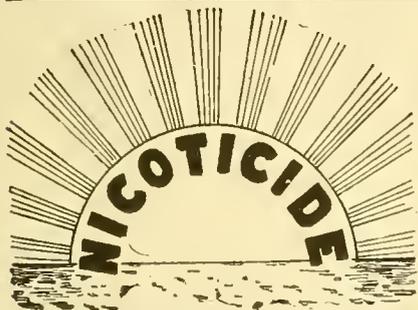
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| H. E. WILSON Rochester, N. Y. | HOLTON & HUNKEL 457 Milwaukee St., Milwaukee, Wis. |
| WM. F. KASTING 481 Washington St., Buffalo, N. Y. | ST. LOUIS SEED CO. 615 N. Fourth St., St. Louis, Mo. |
| JOHN H. DUN. OP 5 W. King St., Toronto, Ont. | BARTELDES & CO. 1521 Fifth St., Denver, Colo. |
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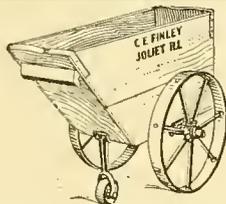
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The **Blooms!**

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Fumigating Kind Tobacco Powder
KILLS ALL APHIS IN ONE NIGHT
in a 10' x 25' ft. at a cost of 10c. A 5 lb. trial pkg. will cost nothing if you will pay the express charge on it. our booklet tells of it. Write Dept. C. P. 111.
The H. A. STOOFF COMPANY
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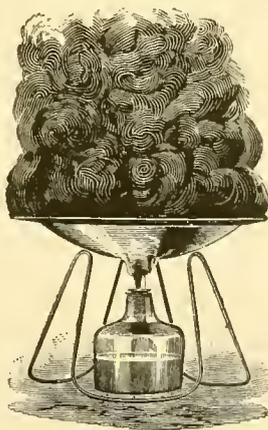


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Fits any size, 85c per doz. The first 100 florists ordering a doz., will receive 6 of our Greenhouse Hangers free. Order now. Send size of sash bar from drip gutter down. H. C. Chessman, Richmond, Ind.

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Nicoticide Bug Killer

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Plain, Fancy, Printed & Mounted.

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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, braced and nicked, with three clasps for 5 to 6-inch pots, each \$1.75.

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Cape Flowers, all colors,
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All new Fall Goods in now. Ask to see the latest, Embossed and Pleated Crepe Paper.

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Chiffons, all Widths and Colors.

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GREEN SILKALINE.

Do not be put off with cheap substitutes.

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10,000, \$1.50; 50,000, \$6.25. Manufactured by

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Floral Album, size 12x11 containing 24 different funeral designs. By express \$7.00 c. o. d.

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The WHILLDIN POTTERY COMPANY,
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Travelling Representative, U. CUTLER RYERSON, 108 Third Ave., Newark, N. J.

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FLORIST Plain, Violet, Rose FOIL

MADE BY

The John J. Crooke Co.

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Kramer's Pot Hangers



Patent Applied for.

THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

Vaughan's Seed Store, Chicago and New York.

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Price with wire chain as shown in cut, \$1.00 per dozen

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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 2 1/2 " " 5.25	60 8 " " 3.00
1500 2 3/4 " " 6.00	48 9-in., in crate, \$3.60
1000 3 " " 5.00	48 10 " " 4.80
800 3 1/2 " " 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. Ten per cent off for cash with order. Address

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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.



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MANUFACTURERS OF
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Standard Flower... POTS

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Red Standard Flower Pots

Price list and samples on application.

Paducah Pottery,

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SAMPLE POT AND PRICE LIST ON APPLICATION.

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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.

The Height of the Season
AND
HERE COMES BAYERSDORFER & CO.

With every supply and choice accessory that is called for in a florist's business. Try a sample case of our beautiful fancy Baskets for cut flowers and tin lined basket Jardinières for ferns and other decorative plants, now so popular, \$25.00 will pay for a nice assortment of these, our selection based upon the demand from metropolitan centers. Pretty Vases, specially adapted for daffodils, violets, roses or carnations. Can be sold with the cut flowers. Sheaves, Doves, Immortelles, etc., etc.

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Here is an opportunity to buy material and supplies at such extremely low prices that you must take advantage of it at once. We are headquarters for Boilers, Heating Apparatus, Pipe, Valves, Fittings, Wire, Glass, Sash, and a thousand and one other items that enter into the construction of your Green-houses. It will pay you to keep in touch with us and advise us of your wants.

When in Chicago be sure to call and see us. Our mammoth plant is the most extensive in the world. Five long distance phones, all Yards 827. The 35th street cars pass our doors.

**We Offer for
 Immediate Acceptance:**

- 12 60x16 horizontal tubular boilers, in excellent condition, complete with fronts and all castings and fittings, each.....\$295.00
- 13 54x16, each..... 225.00
- 6 42x14, each..... 170.00

- And a hundred other boilers in various sizes.
- 100,000 feet 4-inch boiler tubes, in good condition, overhauled, rattled, squared ends, which we furnish with sleeve couplings, per foot..... .10
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- A million feet of standard black wrought iron pipe, overhauled, with threads and couplings; sizes from 3-8 to 16-inch.
- Good second-hand Globe, Angle, Check, Gate and Pressure Valves at low prices.

- 75,000 feet 3-4 inch garden hose, per foot..... .04
- 12 carloads galvanized wire, gauges 10 to 14. It is in short lengths, ranging up to 250 feet. One gauge only to a bale. Price per bale of 100 bales..... 1.40
- Wire Staples, per keg of 100lbs..... 2.00
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Chicago House Wrecking Co.,
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Flower Stands

Made in 12 Sizes. 16 inches to 66 inches high.

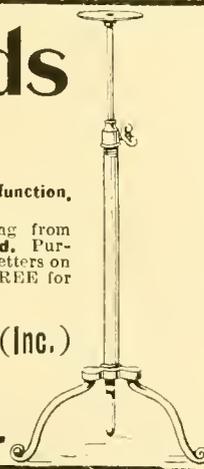
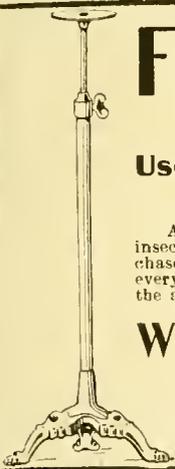
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 in arranging effective displays at every function.

Avoid expensive accidents to valuable plants falling from insecure supports by using **The ANDERSON Flower Stand**. Purchasers of one dozen or more can have name in raised letters on every stand without extra charge. Catalogues of sizes FREE for the asking.

W. H. ANDERSON & SONS, (Inc.)

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THE BEST THING OUT FOR FLORISTS.

**The Patent Smilax and Asparagus Tyer
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The work done in half the time. You will not do without it after a trial. Will last a lifetime. No wires on the ground. No tying or knots required. Be sure to send \$1.00 for sample 100 of each. Satisfaction guaranteed. Easy applied.

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 12 Hawley Place, Boston, Mass.

Please mention the American Florist when writing.

SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST.

Oceanic, N. J.

The semi-monthly meeting of the Monmouth County Horticultural Society was held January 22. The officers were installed by Prof. C. H. Walling. They are as follows: Wm. Turner, president; George H. Hale, vice-president, George Kuhn, financial secretary; H. A. Kettel, recording secretary; W. W. Kennedy, treasurer. The treasurer's report showed a good balance on hand from last year, in addition to the stocks the society holds. Some beautiful roses were shown. Geo. H. Hale had Morgan which scored 80 points. H. A. Kettel had the finest Bride, Bridesmaid, Carnot and Golden Gate roses ever shown in this society; they scored 97½ points. He had also some fine sprays of clerodendron, two varieties of tulips and a vase of callas. James Dowlen had a crimson carnation seedling, a splendid bloom with a strong two-foot stem, which scored 80 points. He had also a good scarlet one but not enough blooms to be judged. The judges of the evening were G. A. Hale, J. Dowlen and A. Williams. Mr. Hale read a list of chrysanthemums, 117 varieties, which he grew ten years ago in Brookline, Mass. There is not one of those varieties grown at the present time. The discussions of the evening were "Strawberry Forcing" and "Remedies for San Jose Scale." After the business meeting a collation was served. B.

Columbus, O.

The Fifth Avenue Floral Company has purchased the Smith Floral Company's holdings, including land, buildings and stock. This place is situated directly north of the Fifth Avenue Establishment and is in fine condition. The two places will be under the one management, namely, the Fifth Avenue Floral Company. Mr. Seibert, the manager of the firm, is to be congratulated for the progress he has made in so short a time.

Business continues brisk. Some good tulips and daffodils are making their appearance. Carnations are doing well and find a ready market at a good price for first quality, but the poorer grades of these, as well as roses, go begging at any price.

E. T. Grave, of Richmond, Ind., was among the callers last week. CARL.

SUBBURY, MASS.—C. A. Jones has bought the Blair greenhouses comprising about 15,000 feet of glass and one and three-fourths acres of land.

SPRINGFIELD, O.—Schmidt & Botley have just completed an additional range of six houses, each 20x100 feet. At present the houses are filled with roses—for which orders were booked last fall, aggregating 150,000—which are to be shipped throughout the spring.

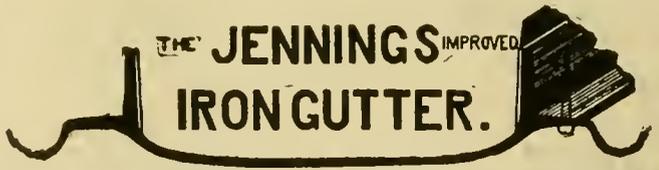
D. O. Cunningham Glass Co.

PITTSBURG, PA.

TANK WINDOW GLASS.

Hot-House Glass a Specialty.

Use our Patent
**IRON BENCH
FITTINGS** and
Roof Supports.



**THE JENNINGS IMPROVED
IRON GUTTER.**
IMPROVED VAPORIZING PANS VENTILATING
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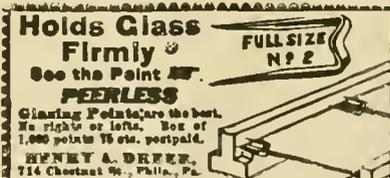
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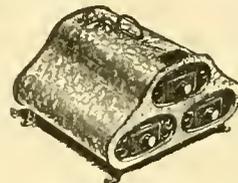
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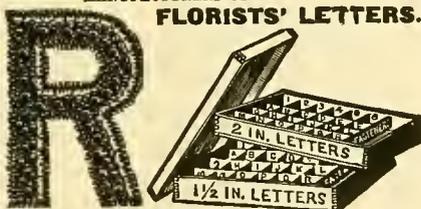
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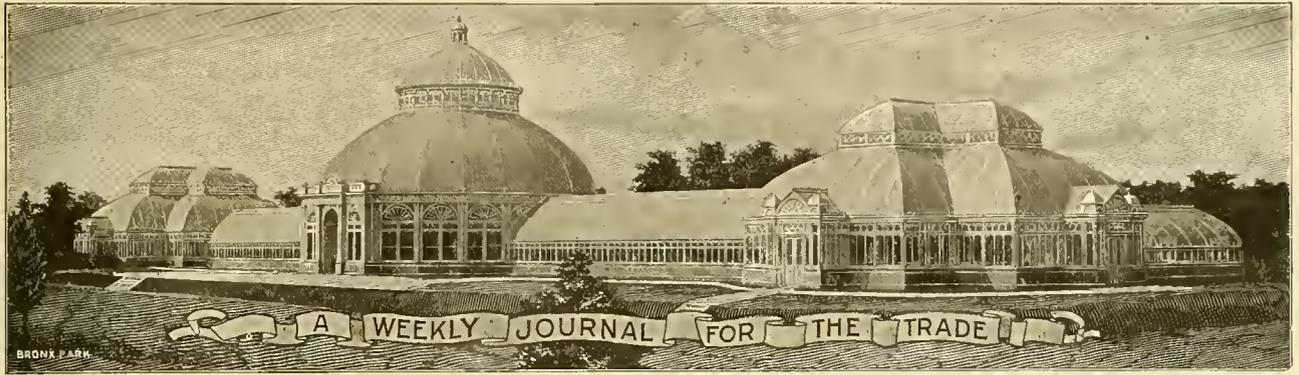
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Vol. XXII.

CHICAGO AND NEW YORK, FEBRUARY 6, 1904.

No. 818.

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NINETEENTH YEAR.

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PALMS AND FERNS.

Latantias.

That botanical nomenclature has been very much mixed in many of its divisions is an old story, and among the palms in particular there have been many revisions and alterations. To many in the trade the name latania brings to mind the most familiar of our commercial species of palms, that one so frequently called *Latania Borbonica*, and yet this palm is not a latania, but on the contrary should be catalogued as *Livistona Chinensis*. It is quite true that both the latanias and the livistonas are four-leaved palms, thus presenting some similarity in appearance, but with the true latanias are found usually unarmed leafstalks, while the livistonas in general are quite liberally provided with prickles up the edges of the stalks, the thorns being strong enough to make a very painful wound.

There are also marked botanical differences between these two genera, the livistonas producing perfect flowers that are followed by large, branched bunches of small, single-seeded fruits, while the latanias do not have perfect flowers, but on the contrary the male and female flowers are produced upon different plants, the former in large quantities and the latter more sparingly, these being followed by fruits as large as a small apple and containing three seeds each, the latter being about the size of Brazil nuts. The latanias also seem to be somewhat restricted geographically, the three species that have been cultivated in this country being natives of the Mascarene Islands, a group of small islands in the Indian Ocean, possibly 300 miles east of Madagascar.

The livistonas are more widely spread and also more numerous in species, these being chiefly natives of various islands in the South Pacific ocean or of tropical Australia, while one species, *L. olivæ* formis, is found in Brazil, and the most widely known of all the livistonas, *L. Chinensis*, is, as its name indicates, a native of the Flowery Kingdom. Three species of the latanias have been mentioned, these being *L. Loddigesii*—once known as *L. glaucophylla*—*L. Commersonii*—also known in our boyhood as *L. rubra*—and *L. Verschaffeltii*, the last having had its name changed from *L. aurea* to commemorate a noted Belgian horticulturist. Talk about the trials of the Peony Committee! Why, that is easy

compared with the tangles that crop up in the other plant families, and that serve to impress upon us from time to time how very little each of us really knows when compared with the whole sum of botanical knowledge.

But to return to the latanias, we find that for some time past it has not been necessary to go outside of United States' territory in order to get seeds of some of these palms, for *L. Loddigesii* has been planted in Hawaii and has produced seeds there quite freely for several years. This is the strongest growing of the three species in question, and produces immense fan-shaped leaves on strong stems that often reach a length of 6 to 8 feet, the tree itself having a comparatively slender trunk that sometimes grows to a height of 40 feet in its native islands. The foliage of *L. Loddigesii* is very dark green, the ribs and stems tinted with chocolate or dull red in the young plants, though showing but little of this coloring in the case of large plants. The second species, *L. Commersonii*, is by far the most attractive, being rather more slender than the first named, while the stems and ribs of the leaves, and to some extent the entire leaf at the time it is unfolding, are dark crimson, and surely merit its former varietal name of *rubra*. *Latania Verschaffeltii* makes quite a contrast to the other members of this family, its foliage and stems being strongly colored with bright yellow, and in growth is perhaps the weakest of the three.

These palms are essentially warmhouse species, and being rather slow in growth as young plants, have not been given much attention from a commercial point of view, for in this formative period of our horticulture there are few people who take up rare palms; but it may be worth recording that all three of these beautiful palms were in cultivation in this country more than twenty-five years ago, and the writer was not their only cultivator at that time, either. The dates of introduction of various plants to the American trade do not seem to be very well fixed, in the minds of some growers at least, and it does appear slightly humorous, to say the least, when we find a certain Belgian grower gravely claiming to have been the first to export successfully palms and azaleas to the United States, and to find that he places the date in the eighties, when there are several men in the trade here who can recall the fact that other European growers shipped azaleas in lots of 500 to 1,000 plants and palms by hundreds to the United States fully ten years before the date mentioned, and

shipped them in good order, too. But these trifling aberrations are perhaps of little moment, and it is barely possible that our European cousins might point out that even in America the catalogue makers sometimes draw the long bow.

Fancy Ferns.

A few ferns that are out of the common run may sometimes prove useful to have about the place if one can spare a small space for that purpose, and if so there might be some of the golden and silvery foliaged sorts among them, tender though they mostly are. The ferns in question are found among the gymnogrammas, there being several varieties of each class, some of the best of the golden leaved section being *G. Lauchena magnifica*, *G. chrysophylla*, and *G. decomposita*. *G. Peruviana argyrophylla* is one of the finest of the silvery section, *G. Tartarea* is a stronger grower, but less silvery, and *G. Wettenthaliana* is a very beautiful variety with crested foliage.

These are warm house ferns, requiring a night temperature of 65° and also to be well shaded, a rather light soil being preferable for their culture. The farinose powder with which both the upper and lower sides of the fronds of these ferns are covered is liable to be washed off to some extent by careless watering, and these species not being especially benefitted by overhead watering it is much the better plan to keep the hose from them and to water them more carefully and gently with a watering can. Some of these gymnogrammas grow over freely from spores, the latter being produced in immense quantities by the stronger growing forms, of which *G. decomposita* is a good example, the seedlings of this fern being liable to come up in all directions from a few parent plants, much the same as those of the common "soft fern," *Nephrodium molle*. W. H. TAPLIN.

Nephrolepis Scottii.

Nephrolepis Scottii, the latest addition to the number of beautiful sports from the Boston fern, originated in the greenhouses of John Scott, Brooklyn, three years ago. As well shown in the illustration, the habit of the plant is dwarfer and much denser than that of the typical Boston fern, the fronds also being shorter and less erect, their arching form giving a graceful, fountain-like contour to the plant. A remarkable uniformity in size and growth is noted in the fronds, which is carried out also in the character of the plants themselves when seen in numbers and in various sizes in the greenhouses.

Mr. Scott states that the variety will not grow rank, even under excessive feeding. Notwithstanding its denseness the fronds in the center of the plant do not grow long jointed nor shed the pinnae, as is the case with the Boston fern when over crowded, and the reason for this is obvious in the tough, leathery texture of the foliage.

Its rapidity of increase is well evidenced in a densely packed bench of plants at Mr. Scott's Flatbush greenhouses, which was planted with single runners last August, and in the immense stock of the variety now held by Mr. Scott from what was, only three years since, one small plant with four fronds.

It is no reflection on the other excellent forms of *Nephrolepis exaltata* already disseminated to say that this one is the first to come into dangerous competition with the type known as the Boston fern. The Boston fern is distinctly the leading plant in the country for dwelling-house culture, and its popularity in this

line seems not to have suffered in the slightest degree from the recent distribution of two elaborately decorative forms. If it has a fault at all it is that under generous cultivation it is apt to attain an unwieldy size and become inconveniently large for the average room in a city dwelling. The compact, symmetrical growth of *N. Scottii* furnishes the ideal form, while its moderate size and its contentment under closely-crowded conditions will be appreciated when valuable bench room is taken into consideration, and its hard-fibered fronds give assurance that it will withstand rougher treatment than its illustrious parent, all of which invests it with much promise as an all-around standard commercial plant. Mr. Scott is to be congratulated on his find, and the trade owes him its gratitude for this addition to the limited list of plants whose qualities fit them especially for popular favorites. *N. Scottii* is to be disseminated next June.

Filling Conservatories.

The rapid increase in the number of conservatories connected with private estates opens the way for a lucrative business, and affords an opportunity for the display of a high degree of artistic taste in the planting and furnishing of these flower houses, without which no suburban or country estate of any pretensions is complete. The ingenuity of greenhouse builders in erecting glass structures of tasteful design and proportions is supplemented by the ability and artistic perceptions of the plantsman, and the result is a picture such as we

have here represented. The conservatory illustrated is that of Percival Roberts, Jr., at Narberth, Pa., not far from Philadelphia, and the furnishing and planting is the work of Siebrecht & Son, New Rochelle, N. Y. The conservatory is 40x50 feet in area and 32 feet to the top of the dome. The central plant is a splendid specimen of *Kentia australis* twenty-two feet high. From the center radiate four irregular pebbled walks, and in the center of each of the four divisions thus laid out are a *Dicksonia antarctica* fifteen feet high, in the south division; *Chamærops excelsa*, twenty feet high, in the north; *Cycas circinalis*, fifteen feet high, in the east, and *Kentia Baueri*, fifteen feet high, in the west division. The planting is concealed by masses of tuffa rock, in the crevices of which are planted small ferns, *Tradescantias*, *Lycopodiums*, grasses and similar small growing things in profusion. Over each of the four doors a mammoth *Platycerium* is suspended, and on the rafters are climbing vines, such as *Passifloras*, *Lapagerias*, *Bignonias* and *Stephanotis*. Our illustrations show the central plant and surroundings in the north, east and south sides of the conservatory.

DAVENPORT, IA.—The firm of Littig and Allison, composed of Victor A. Littig, Ed. C. Littig and Robert Allison, has purchased the business of Charles Dannacher on the Brady street road north of Central park, where the greenhouses are and also the stock of the down town store on East Third street. Mr. Dannacher will retire from business altogether on account of ill health.



NEPHROLEPIS SCOTTII.



CONSERVATORY OF PERCIVAL ROBERTS, JR., AT NARBERTH, PA.

THE CARNATION.

Notes on Propagating.

If the stock for the coming season's planting is not now complete we must get after this very important part of the business right away as the time is fast approaching when the bright warm days tell greatly on the propagating bed and a successful batch of cuttings is an exception rather than the rule. We have also to bear in mind that most of the very finest varieties which are being grown today, unless propagated early are not nearly so profitable. Take, for instance, the varieties Mrs. Lawson, Gov. Wolcott, Harlowarden and Prosperity.

We will first select the variety Mrs. Lawson, though, being a very vigorous grower during the winter months, it has a tendency to bud up very easily in the fall, particularly so when the plants have been grown in the field. The side growths from these short blooming shoots are the ones to bring the next winter's returns, but it takes time to produce these shoots and we have to take into consideration that for this variety to give the best results it should be planted into the house by August 1 at the latest. This will give very little time for them to make much of a plant while out in the field and therefore a plant taken from the sand and planted out in the field within three or four weeks cannot have had time to get properly established, with the top pinched out and the side shoots branching out as they ought to be. But if they are propagated during January or February and receive careful attention afterwards regarding topping, etc., they will be well established plants with plenty of side shoots bursting out by May 1, which generally is the best time for setting in the field.

Gov. Wolcott is a very free grower as far as making grass is concerned, but it is rather slow in throwing up blooming shoots in the early winter months and unless a good sized plant is secured at planting the variety is very likely to be condemned in time because its nature has not been properly understood and catered to.

Prosperity will not certainly pay its way with plants propagated later than February 1, its growth being peculiar and different from any other carnation, throwing up a good strong main stem with lots of side shoots branching out, but the side shoots seem to get so far and then stop, taking a long time to stiffen out and produce a bloom. This variety can be made to bring better returns by having the young plants in good growing condition at the beginning of February in 2 inch pots; then about the middle of March, shifting up into 3-inch pots will make them excellent stock for planting in the field and you will reap fine blooms much earlier by several weeks for this extra trouble. I am also of the opinion that Adonis can be made a success of if treated this way.

Harlowarden just at this time appears the picture of health and prosperity with its fancy blooms and their 3-foot stems, but what a small plant and carrying very little grass it is. This is another variety that takes a long season to produce a large enough plant to make it profitable. With us it has a tendency to throw all its energy into the crop that is on and then take its time to recover. We must therefore see the plants are of sufficient size and health to make that crop of sufficient duration to make it pay.

Cuttings put into the sand from this time forward will need extra care as the sun is gaining in strength right along and if the bed is left too long on a bright morning without being shaded or the steam left on till the temperature of the house runs too high the cuttings will very soon commence to suffer. Also, on bright days, or when the weather is very cold, causing extra firing, the walks around the propagating beds should be dampened down a little oftener to prevent the atmosphere becoming too dry. As soon as the cuttings are rooted get them out of the sand right away, either potting them or planting in boxes or in the bench. Some growers favor one method, some another, but I prefer the pots for most of varieties with heavy growth like Enchantress, Lawson, Crane and Prosperity. Varieties like Flora Hill, Mrs. Joost, Glacier and White Cloud I find do equally as well when transplanted into flats. Then again you must be guided to a certain extent by the nature of your planting field. If it is so you can water the plants directly after planting should the weather be dry then the flat grown plants will not suffer; again, if your soil is of a cold, clayey, wet nature, you will find plants set out from the flats will not take hold nearly as readily as those that have been grown in pots. After the cuttings are potted keep them in a temperature as near to that of the propagating house as possible for a few days or until the roots show through the soil after which it is best to give them a temperature of about 45° at night with plenty of ventilation in the daytime on all favorable occasions.

C. W. JOHNSON.

WITH THE GROWERS

Essex Greenhouses, North Olmstead, O.



M. Bloy.

The remarkably fine roses and carnations which are being sent in to the Cleveland market from the Essex Greenhouses, North Olmstead, O., caused the writer to pay that establishment a recent visit, and the sights to be seen in the way of well grown carnations and roses were sufficient compensation for the rather long ride on the not too well heated electric car. This establishment consists of seventeen houses in all about 50,000 feet of glass, and is presided over by M. Bloy, who is a thorough plantsman, and second to none when it comes to growing extra fine flowers, but withal very modest about his success. In the several houses devoted to carnations, Lawson takes the lead. Next in order come Crane, White Cloud, Apollo and Queen Louise. Several of the newer kinds are being tested, of which Enchantress is distinctly the best. All varieties are practically free from stem rot, Crane remarkably so. This variety has averaged five first-class blooms to the plant since October 1. Lawson and White Cloud have averaged 6. Apollo is showing up well, and is considered by Mr. Bloy to be the coming money maker in red. Queen Louise is all that is claimed for it in the way of good stem and free flowering qualities.

In the rose houses everything looks in splendid condition with one single excep-



AMERICAN BEAUTY AND GRAFTED ROSES AT ESSEX GREENHOUSES.



PARTIAL VIEW OF JOHN L. WYLAND'S RANGES, DE HAVEN, PA.

tion, a half bench of Liberty which look, in that phrase so familiar to growers, "on the bum." Mr. Bloy has decided to cut this variety off the list as he finds it impossible to get satisfactory results from it. The American Beauty could not very well be in better condition. The crop for Christmas came in just on time and averaged between two and three long stemmed flowers to the plant. They are entirely free from black spot and "feathered" to the bottom. The Bride Bridesmaid are in equally good condition, especially the grafted stock which has averaged fifteen good blooms to the plant since the first of October. Meteor, of which two houses are grown, has produced in the same period sixteen blooms to the plant. One house entirely filled with poinsettias was in grand shape. Another planted to sweet peas gave evidence of producing an abundance of blooms in the near future, the first lot of about 1,000 being cut for Christmas. Propagating is now under full swing and judging from the quality of stock being propagated the outlook for good material for next season is good. A new boiler of 140 horse power was installed last fall to assist in the heating. The whole place is a model of neatness and reflects a great deal of credit on the excellent management of Mr. Bloy.

The four illustrations accompanying this are from photographs taken December 30, 1903. The house of American Beauty roses was photographed after a cut of nearly 1500 blooms during the month. In the house of Lawson carnations, 525 blooms were picked the same day. The boy in the house of White Cloud is a coming gardener, and is a son of Mr. Bloy. The average height of the plants of grafted Bride and Bridesmaid roses is four feet. I. K.

John L. Wyland, De Haven, Pa.

No one ever visits the plant of John L. Wyland at De Haven, Pa., without being impressed by the great natural beauty of its surroundings and the warm hearted courtesies of its owner. Mr. Wyland's plant is about ten miles north of Pittsburg on the P. & W. railroad, about ten minutes' walk from the station, just off the new macadamized county road. Mr. Wyland began growing flowers as a business about twelve years ago. In his range are eight houses with about 25,000 square feet of glass and southern exposure. Roses and carnations are his

specialties. In roses he grows only Bride and Bridesmaid. Of carnations at present he grows about ten of the best varieties, including Wolcott, Enchantress, Mrs. Lawson, Nelson and Adonis. System rules in this establishment and it takes but little time to observe this. Each summer Mr. Wyland replenishes his houses with new rose plants. He is a close observer of all new carnations. His holdings at De Haven include sixty-five acres on which are valuable deposits of granite and undoubtedly coal. There is also a gas well of great pressure and an unbounded quantity of water. The supply of natural gas and water is sufficient to operate more than 200,000 square feet of glass. The soil is of the finest order. The natural gas well was sunk about two years ago and gas struck at a depth of 1650 feet. The plant and all houses on Mr. Wyland's premises are

heated by this fuel, which is inexpensive and easily regulated.

Mr. Wyland has an orchard in which he has planted over 5,000 fruit trees. In 1901 the peach crop (Elberta variety) was more than 3,000 bushels. Mr. Wyland takes great pride in his peaceful domain. The various buildings on the place are complete, substantial and comfortable.

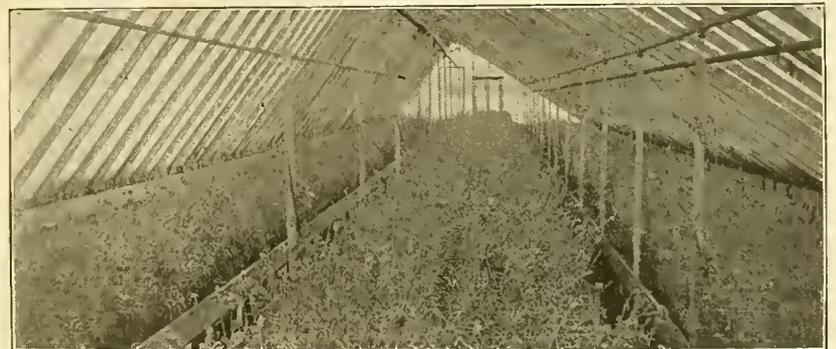
A stone wall in front and on the side of Mr. Wyland's residence is 150 feet long. It is built of coarse rubble with coping of granite. It has a foundation three feet in depth and stands three feet high. The entire wall was constructed of stone and granite taken from the quarry on the premises. E. L. M.

Tarrytown Horticultural Society.

The monthly meeting of the Tarrytown Horticultural Society was held in the Vanderbilt hall, Tarrytown, N. Y., January 28. It was decided to change the monthly meetings from the last Thursday to the last Tuesday of each month. Some of the members were in favor of having the annual fall chrysanthemum show in either White Plains or Yonkers, but after some discussion it was decided to hold it again in Tarrytown, and the dates selected were November 1, 2, 3.

The prize for this month's exhibit was awarded to President Ballantyne for twelve roses. This exhibit consisted of excellent blooms of the new Killarney rose, Wootton, American Beauty and Bridesmaid. He also exhibited a very fine vase of Killarney roses. He said this variety was a first class grower and more of it would be seen next year. F. Gibson, gardener to Mrs. J. H. Hall, offered a box of cigars as a prize for the best fifty double blue violets to be competed for at the next meeting.

New members elected were R. Barton, gardener to L. Stern, Tarrytown, and



WHITE CLOUD AND LAWSON CARNATIONS, ESSEX GREENHOUSES.

Mr. Parker, of Irvington. A. Brown and F. Koenig were proposed for membership. The business meeting over, the members adjourned in a body to the Perry House for the annual dinner. In all about sixty members and invited guests were present. The tables were tastefully decorated with fronds of *Nephrolepis Piersoni* and vases of roses and carnations. The carnations especially were the object of much comment. John E. Haines, Bethlehem, Pa., brought with him a fine vase of a new scarlet variety, named after himself. This was the largest carnation ever seen in Tarrytown. He also had some white and variegated seedlings. The F. R. Pierson Company supplied well grown blooms of White Lawson, Daheim and Enchantress. H. Nichol of Yonkers brought some very good Golden Gate roses, and President Ballantyne's prize winners were also placed on the tables. As soon as the cigars were passed, President Ballantyne introduced J. W. Smith of White Plains as toastmaster. The first to come under his eye was the Hon. C. S. McClelland, easily a past master as an after-dinner speaker. Then the poet laureate of the profession, J. Austin Shaw, of New York, gave a very good example of his poetical ability in a poem in which he named Tarrytown and managed to gather in most of the gardening fraternity of the neighborhood, enrolling the virtues of each. Then the song bird of the profession, J. J. Butterfield, New York, warbled off his sweetest notes. P. E. Kessler, of New York, spoke for the gardening press. J. Dowling and John Newman, from the Monmouth County Society, N. J., replied to the toast, "The Visitors." Wm. Scott spoke for the gardeners reminding those present that theirs was the oldest profession on earth. Jas. Scott gave a humorous account of his experience as gardener at the House of Refuge on Randall's Island. Mr. McFarlane recited in his best form. After a few more speeches the evening came to a close with votes of thanks, and the singing of "Auld lang syne."

T. A. LEE, Cor. sec.

Window Glass Making.

[Paper read by Melville G. Holding before the Chicago Florists' Club, January 28.]

The materials of which window glass is made are chiefly white sand, lime and alkali, all melted together by intense heat, about 2,600° Fahrenheit, applied for about fifteen hours.

Formerly, and for many years, all glass was made in crucibles or pots made of fire clay, very thick and heavy, to stand the heat and hold the weight of the batch. In later years a large proportion of window glass has been made on what is known as the continuous melting tank.

The first successful tank was built in Belgium, in 1884, and created a great disturbance with labor, and in 1886 a mob destroyed the factories. Ever since the rebuilding the tanks have been in successful operation.

The adoption of the tank came in this country much later, and they have now largely displaced the old pot factories. Still a large quantity of glass is made in pots, the capital required for a tank factory being large compared with that for a pot factory.

It would be impossible to give you in words any adequate description of the process of making window glass. It must be seen to be appreciated. In general the gatherer dips the end of the

blow pipe, which is a heavy iron tube, into the melted glass and brings out a ball of the material, which is then taken by the blower and gradually blown into a large cylinder. The cylinder is cracked, open with a hot iron, and it then goes to the flattening oven, where it is flattened and annealed, and is then ready for the cutter.

It is interesting to watch the blower make from a ball of glass a cylinder from twelve to eighteen inches in diameter and from six to seven feet long, of even and uniform thickness. In fact, the whole process of making window glass, from the melting of the hatch to the cutting table, requires skill of a high order, and can only be learned by long practice and experience. It is no easy work to handle on the end of a heavy blow pipe, four feet long, a heavy cylinder of glass six or seven feet long.

The skilled labor around a glass furnace is very well paid, the average wage being high, and some of it very high. It is not unusual for a blower of large double strength glass to make \$400 per month. Of course the average is much below this.

The workers have had for many years the strongest kind of a union and have kept wages high, taking advantage of the very high tariff on window glass. The worker in Belgium receives much less for his labor, and glass costs much less there than here, as labor is about sixty-five per cent of the cost of the glass. In Belgium the cost to-day of a box of 16x18 double is about \$1.45, and here about \$3.25. The duty on a box of foreign glass, 16x18, would be \$1.50, certainly a large protection to American labor, and the American workman takes all the advantage of it.

It would appear, however, that the day of great wages in this line of business is drawing to a close. A machine, as you know, has been invented, and is being slowly perfected, to take the place of the man blower and gatherer. It is already turning out glass in considerable quantities at several tanks, and it seems to be only a matter of time when it will largely displace man power, and certainly decrease the cost of making glass, but as long as the present tariff rates are maintained, the manufacturer will take advantage of them and no cheap glass in in sight.

The machine makes glass in cylinders by use of compressed air instead of the breath of man, and there is good reason to believe that it will ultimately be entirely successful.

Greenhouse Building.

Locust Valley, N. Y.—W. D. Guthrie, range of conservatories.

Bridgeport, Conn.—Gladys L. MacFarland, conservatory.

New Bedford, Mass.—Wm. E. Mosher, house 16x60; Chas. H. Beetle, one house.

Battle Creek, Mich.—C. C. Warburton, one house, 20x132.

TERRELL, TEX.—E. H. R. Green, range of twenty houses.

MOUND CITY, Mo.—James C. Durham will shortly move to Anadarko, Okla., to engage in the greenhouse business.

NOBLESVILLE, IND.—The large greenhouse of Ross Farley, southwest of this city, was seriously damaged January 26 and many plants frozen. Snow drifted on the glass roof causing a space of about 100 square feet to fall in.

THE RETAIL TRADE

Standing Shield.

This shield was made solid of white carnations bordered with lily of the valley and maidenhair ferns. The sword and anchor crossed in the center were of double violets. The base was of Easter lilies, narcissi and Bridesmaid roses. This design was made six feet high and was sent by the manager of the St. Charles hotel, New Orleans, La., to the funeral of Gen. John B. Gordon, at Atlanta, Ga. It was said to be the handsomest design there. It was made by the C. A. Dahl Company of Atlanta.

Chicago.

Shippers are very well satisfied with the week's run, although a comparison with the amount of business transacted during the same week of 1903, will show a decrease. The market has not been what might be designated as brisk any day this week, although some days brought in enough outside orders to keep stock moving satisfactorily. The carnation situation is not taking on any marked improvement. The poor grades have a difficult time attracting buyers, as the fancies are ruling at such low prices. Good roses are the stiffest article on the market and all stock moves with celerity. American Beauty remain comparatively scarce. The medium sizes are the scarce article in this line. Bulbous stock continues to improve and tulips are now seen at their best. Since the invasion of the famous eastern violets the local violet situation is astride the horns of a dilemma. The imported goods have the call and are selling far better than a few weeks ago.

The Florists' Club held its regular bi-monthly meeting Wednesday evening in Handel hall. The evening was devoted to an exhaustive discussion of modern greenhouse construction. A number of prominent members of the trade took part in the discussions.

The next club exhibition will be held Wednesday, February 17, at Handel hall. Roses, carnations and all flowers in season will be covered and an interesting event is anticipated by those having the management in hand. After the regular exhibition in the afternoon a club meeting and a banquet will follow. The public will be admitted to the hall between fixed hours. Phil Hauswirth is sparing no pains to make this one of the most successful of this season's club shows.

The next sectional winter meeting of the club will be held on the evening of February 13 at the Drexel cafe, corner of Cottage Grove and Thirty-ninth streets. Wm. A. Moak will deliver an address on the subject of club membership and its benefit. The club is sending out neatly printed programmes of the schedule of club events for the balance of the season. An active campaign has been inaugurated with a view to swelling the membership of the club to the 500 mark.

Kuehn & Pearson have bought the stock and rented the greenhouses of John Hoeft, 920 North Campbell avenue, for a term of twenty years. The premises were leased from Mrs. Charles Held. These gentlemen were formerly employes of W. L. Palinsky.

Miss Anna Kreitling was married to Chas. Kochman Sunday, January 31. They will be at home on Claremont avenue after March 1. Mrs. Kochman is a sister of Walter Kreitling.

A serious fire was narrowly averted last Saturday in the Atlas block, in which there are about a dozen florists' stores. The fire partially destroyed several cases of moss in the warehouse of the E. F. Winterson Company.

Peter Reinberg has been confined to his bed by sickness. He was able to be out the last days of the week.

Daniel Branch is in Minneapolis, Minn., where he was called on account of his mother's illness.

John Zeck, who was formerly with J. A. Budlong, has taken a position with E. C. Amling.

Visitors this week were W. Bertermann, of Indianapolis, Ind.; R. Will, of Minneapolis, Minn.; Robert King, of the King Construction Company, Toronto; J. W. Lyon, of Belvidere, Ill.; J. F. Ammanu, of Edwardsville, Ill.; A. Jablonsky, of Wellston, Mo.; E. G. Hill, of Richmond Ind.

New York.

The cut flower market continues about as last reported. Carnations and roses are holding up more steadily than for several weeks, American Beauty leading, but there is not the usual winter animation and the satisfactory marketing of some things is due more to lightness of supply than to seasonable demand. Violets retain their low prices as heretofore. A season of temperate weather would help the violet crop greatly in its sale and, no doubt, when that comes the growers will have a more comfortable experience. All bulbous stock, including fine Golden Spur narcissi, is overplentiful, selling being devoid of any hopeful features. Lily of the valley shares in the depression although of excellent quality, as a rule. Lilacs have never been so good nor so plentiful here at this season as at present.

The dinner of the New York Florists' Club will be held Saturday, February 20, at 7:30 p. m., at the St. Denis hotel. A corps of entertainers has been engaged and every effort is being made by the efficient committee to insure an enjoyable evening.

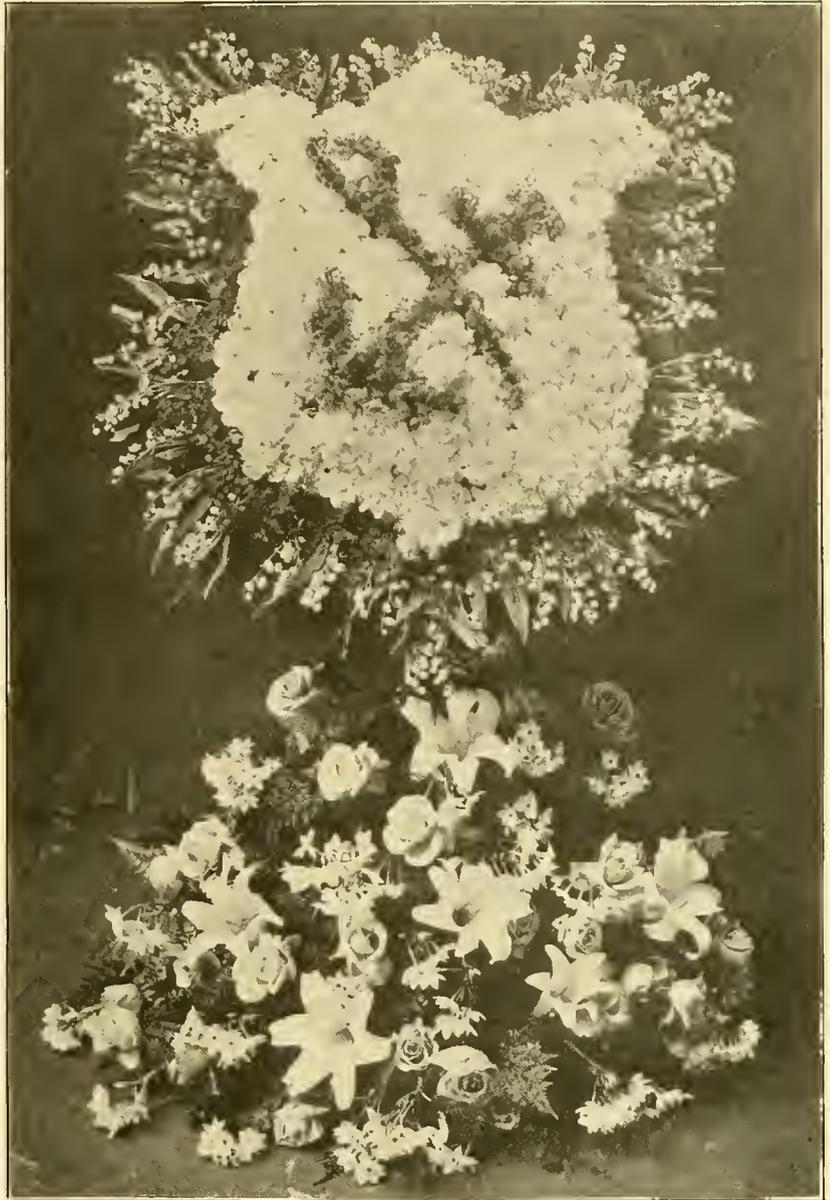
Victor S. Dorval, of Woodside, has purchased four acres of ground at Manhasset, L. I., for the building of a new plant. Several more growers are talking of doing the same thing. Taxes are getting too high to make it pay in greater New York.

A son of Gustav Frumiere, of Jersey City, died January 28 from the effects of excessive cigarette smoking. The boy was thirteen years of age.

Mrs. Julius Hanft died Monday, February 1.

Philadelphia.

A new device for collecting the black soot from bituminous coal smoke has been installed at Robert Craig & Sons and it appears to work like a charm. A fan run by water power draws the smoke from the stack near the bottom and forces it through several thin sheets or sprays of water which spread completely across the special smoke flue. It is then forced against a series of clay tiles set on end, to which much of the smoke sticks and which is again washed off by the falling water to the bottom of the flue and empties into a submerged tank. Here the soot rises to the top from which it is gathered, as it has a good commercial value. After the cleansing process the smoke passed back into the main stack and averages at least seventy-five per cent purer. The draft is about the



STANDING SHIELD AT FUNERAL OF GEN. J. B. GORDON.

same, there being no noticeable difference. Should this prove as successful as the inventors claim, and as the trial appears to prove it will, it should meet with great favor everywhere.

Another spell of extreme cold weather has made further inroads on the coal pile. Some of the growers say that they have already burned as much as last season and what is required from now until the spring season will bring up this item of expense to a record breaking point. Business is slow; there seems no life to it and still there is a scarcity of flowers in some lines. Beauty roses are noticeably scarce. Liberty fill in nicely and are taken in preference to the shorter Beauty. Bulbous stock is now to be seen in quantity, all the lines being full. Double Von Sions came in a week ago and are now to be had by the thousand. Carnations are at their best and some extra fine stock is seen, the stars being Prosperity, Lord, etc. Craig's Vesper, the new fringed white, is very fine and S. S. Pennock claims it to be one of the best sellers.

There was a very interesting meeting

of the Florists' club last Tuesday evening. The chief attraction was the paper read by Secretary W. J. Stewart on "We and Our Field." This was handled in a masterly manner, being full of good thoughts and suggestions. It was well received and he was given a vote of thanks by the club. A. Fahrenwald is to tell us how to grow Liberty roses at the March meeting and as his stock is now the best in the country he should have a large audience.

M. B. Myers, of the Colonial Flower shop, has filed a petition in bankruptcy.

K.

Boston.

The January exhibition at Horticultural Hall on Saturday was the best on record. Over five hundred bottles of orchid blooms were shown by the F. L. Ames estate, W. N. Craig gardener; J. E. Rothwell, E. Johanssen gardener, and Mrs. J. L. Gardner, Wm. Thatcher gardener, to whom were awarded the Appleton silver gilt medal, silver medal and bronze medal respectively. There were orchid plants by Lager & Hurrell and Colonel

Charles Pfaff, George Melvin gardener, the latter being given a certificate of merit for superior cultivation of *Cœlogyne cristata* var. Chatsworth. There were two magnificent tables of Lorraine begonias, one for exhibition only from R. & J. Farquhar & Company, the other from J. Montgomery Sears, Alex. Ogg gardener. Mr. Ogg received a certificate of merit for superior cultivation as displayed in these begonias, an illustration of which was given in last week's issue of the AMERICAN FLORIST. Robert Cameron, of the Harvard Botanic Garden, received a certificate for *Acacia Boyleana* and a cultural certificate for *Chorizema ilicifolium*. A sport from the Mrs. Lawson carnation, striped in the way of Mrs. M. A. Patten, was shown by the Rockland greenhouses, and was recognized by the award of a certificate of merit. The prize competitions brought out some superb groups of *Primula sinensis*, *P. stellata* and *P. obconica* from E. J. Mitton, J. Lawson gardener; E. W. Breed and Mrs. J. L. Gardner; violets from Norris F. Comley and Colonel Pfaff, and freesias from Mrs. E. M. Gill. E. A. Orpet showed another of his seedling cattleyas, a cross between *C. maxima* and *C. cinnabarina*. The next important exhibition will be the spring show in March.

The cut flower trade moves along somewhat better than during the two previous weeks. There are no special features except a fair advance in the value of carnations. McKinley day, which was looked forward to as a possible factor in the carnation market, failed utterly in that respect here.

John Washke, for many years manufacturer of florists' wire designs, committed suicide by shooting himself on January 28, in his workroom in the rear of Sutherland's store. The cause was dependency over dull business. He leaves a wife and seven young children.

George Sutherland, who underwent an operation at the city hospital two weeks ago, is about again.

St. Louis.

One certainly gets a taste of the strenuous life visiting members of the trade these frigid days. It is not encouraging to learn "there is not much doing except in funeral work." Trade conditions, however, are somewhat improved. The prevailing cry is that white and pink roses are scarce, very scarce. Red is more plentiful. Yellow is seen only occasionally. Liberty roses are not on the market. Violets have taken a downward slant, quotations being from 50 to 60 cents. Roman hyacinths are more abundant than ever. Stevia is out of the market entirely.

The members of the Florists' Club will give an entertainment and hop at H. Haney's hall February 19. An interesting programme has been prepared for the meeting of the club February 11. F. J. Pillmore will talk on "Carnation Growing," and E. W. Guy will lead the discussion on "Propagating Carnations." This is to be a carnation meeting. Local growers are expected to show vases as well as those out of town.

Geo. E. McClure and Miss Ida Norton were quietly married the evening of February 1. Only a few intimate friends were present at the ceremony, which was quite informal. Mr. and Mrs. McClure left February 2 for Manhattan, Kas., for a week's visit with Mrs. McClure's family.

The banquet to be given in honor of

the executive committee of the S. A. F. is expected to take place on the evening of March 5. A jolly, instructive and appetizing time is anticipated. Every member of the Florists' Club should attend if possible.

The St. Louis Cactus Association held an interesting meeting on January 31. Subjects under discussion were "Epiphyllums, Their Care and Culture" and "Fertilizing Succulent Plants."

Geo. Walbach is having a busy time with decorations. His most notable work of recent date was at the banquet given to a number of capitalists by Mayor Wells.

That the firm of Grimm & Gorley is enterprising is evidenced by the new delivery wagon recently received. It is one of the finest of the kind in the city.

C. H. Thompson, of Leland-Stanford University, will soon arrive in the city to take charge of the collection of succulents at the Missouri Botanic Garden.

The Bentzen Floral Company has a house of fine Flora Hill and Joost carnations. The stock for early spring sale is in good shape.

Mrs. H. G. Berning has been removed from the hospital to her home. Her condition continues to be anything but satisfactory.

The Michel Plant and Bulb Company has commenced work on the new range of houses. F. K. B.

Baltimore.

The weather, upon which the florists' trade so closely depends, continues wintry and exceptionally trying, the records of the weather bureau showing that January was the coldest of thirty-three years, the average being 27.3°, which is 5° or 6° below the normal mean temperature of that period. Still more abnormal is the continued cold. In ordinary seasons in this section after a cold "spell" of two or three days there is a thaw, followed by a spring-like interval of a week or so, but this year the cold has been unremitting and snow has covered the ground for weeks. Fortunately, one favorable feature was the few cloudy days, the atmosphere generally being clear and inspiring.

After the holiday trade, which hardly displayed the swing of last year, there was the usual dullness which is expected for a week or two in January. This has now yielded to a better demand, and most of the cut flowers offered have been taken up each week, though prices may have been shaded somewhat from former years. At Christmas, carnations were hardly equal to the market's requirements, and this condition still exists at times, good whites being especially in request. Roses are in fair supply, though those really first-class are insufficient for calls. Poorer grades drag somewhat, and the severe weather cuts off the street vendors, who usually take up a considerable proportion of this material. Nor are good violets abundant, and they seem in less demand than in times gone by. Some large growers have dropped out, and one shipper only, John E. Bartell, seems to have the secret of maintaining the quantity, color and fragrance which many others have lost.

The Liberty rose has practically disappeared here, owing to the difficulties of its culture. Few Meteors are grown, the dread of the black and bull-headed flowers, which follow periods of low temperature and clouds, operating against it. Here, as in most other localities, a great

desideratum is a red rose of moderately easy cultivation.

Isaac H. Moss, of Govanstown, is sending in well-bloomed astilbes, apparently belated for Christmas forcing, but they do not seem to take as in the holiday season. John M. Rider is shipping handsome cyclamens, this gentleman being a farmer, who embarked a few years ago in the growing of violets, then ventured into the carnation field, being one of our largest shippers, and now competing with those "to the manor born" in raising blooming plants.

It sounds provincial to write it, but the opening of a new hotel has given the greatest impulse here of years to floral decorations. The handsome Belvedere has been in the six weeks or so of its business, the scene of many dinners, receptions, and other social functions of the fashionable set, including many strangers who alight here for an interval on journeys from north or south, and so largely stimulated the employment of flowers as to have a marked and healthful influence on the trade.

Henry Weber, of Oakland, whose death was recorded in the last issue of THE AMERICAN FLORIST, was widely known here and much respected. His career as a gardener began in Maryland as a grower of superb vegetables, and years ago he supplied the hotels of the mountain resorts then maintained by the Baltimore and Ohio railroad. On the occasion of the meeting in Baltimore of the American Pomological Society, he made a great exhibit of the varieties in the culture of which he was famous. He was a man of deep religious feeling, and his business envelopes often bore numerous scriptural texts and religious exhortations.

The Florists' Exchange, a joint stock concern, which is the only intermediary between the growers and retailers of this community (there being no wholesale florists here), closed its year recently with a good showing of increased business. John J. Perry, now the manager, has systematized its work, and the operations are carried on with promptness and advantage to both growers and buyers.

The agricultural experiment station of Maryland, at the request of the Gardeners' Club, is undertaking to procure statistics of the florists' industry of this state, including the quantity of glass maintained, capital invested, amounts expended for labor, etc. There is no legal compulsion to make the returns, as in the census, and some object to disclosing their business, although it is promised that reports will be confidential.

At the instance of the new general superintendent of Parks, the custom which has prevailed of late years of growing plants for cut flowers in the greenhouses of the city parks has been discontinued. Large and costly structures erected as was popularly supposed for the production of budding plants for the various parks and squares, were devoted in reality to forcing roses, carnations and violets, and even the culture of mushrooms was exploited. This has provoked much criticism and seemed likely to result in a public scandal, for there was no public knowledge of the disposition made of the flowers. They were certainly not for the delectation of visitors, as the houses were kept locked and were inaccessible, and necessarily so, since the growing of roses with the constant opening of doors by visitors was of course impossible. Some other reforms

are expected under the new park direction.

Over the stand of a vendor in paper flowers in one of our city markets a conspicuous sign reads: "Botanical Art Study!" S. B.

Washington, D. C.

With the landscape covered with nearly a foot of snow and the Potomac by an equal thickness of ice, we are in a position to sympathize with the florists of those semi-arctic regions between Boston and Duluth, who have been pelting the mercury with high priced coal. Considering the fact that a large and varied assortment of weather was crowded into the past week, trade was good. There were several entertainments at the White House; dinners to the outgoing and incoming secretaries of war, and many other functions, all of which called for a large amount of first-class stock. On account of the cold the trade in pot plants is at a standstill and several of the growers will have azaleas left on their hands. Roses are scarce and unless we have an exceptional spell of fine weather they will continue so for some time to come. Carnations are in fair quantity but bulbous stock, excepting white and yellow tulips, comes in slowly.

On a recent visit to the Soldiers' Home I was much interested in looking over the handsome and commodious conservatory. The palms and ferns are sheltered by a curvilinear house that is an ornament to the grounds. In the rear are several even span houses for cut flowers and bedding plants, as thousands of the latter are annually used in beautifying the grounds of the institution. The palms and ferns are arranged in a unique rockery of petrified vegetable matter, the material, I was told, having been brought from Geneva, Ohio. The clever work of arrangement is by Alex McPherson, florist and gardener at the home.

A handsome silver cup, the gift of Fred. H. Kramer, the florist, is now in the hands of the Baltimore bowlers. Mr. Kramer presented the cup with the understanding that it be contested for by the clubs of Philadelphia, Baltimore and Washington. On the night of January 27 the Baltimore Club came on and lifted the cup from our giants. The locals say they are going after it some time in March. As the weather will be warmer by that time, their "rheumatiz" may be better, at any rate, we hope so.

At the annual state dinner given January 14 by President and Mrs. Roosevelt to the diplomatic corps, the state dining room was even more elaborately decorated than usual for a dinner. The long mirror surrounded by a French gilt frame, purchased during the reign of Dolly Madison at the White House, was used on the table for the first time in several years. Floral plaques of rare lavender orchids, alternated with white carnations, were placed upon the mirror, while tall vases of flowers alternated with plaques of orchids the full length of the table.

John Robertson attended the dinner to commemorate the birth of Robert Burns and reports that it was an enjoyable event. Carnations were the flowers used, which seems to have been a misfit, for the memory of Burns and the heather are inseparable.

On January 29, the anniversary of the birth of President McKinley, the Ohio delegation in the house of representatives furnished carnations to all the other members of the house. The carnation

was also worn on that day by many others.

F. H. Kramer, Z. D. Plackistone, A. Gude & Brother and G. B. Shaffer all report a good week of business, the most serious handicap being scarcity of stock.

The Gridiron club closed the week with a dinner, in the decorations for which Small turned himself loose and eclipsed his previous efforts. S. E.

Milwaukee.

The Milwaukee Florists' Club had its annual carnation show Tuesday, February 2. There were some excellent exhibits of Milwaukee growers. The Lawson, Enchantress and Adonis grown by Nic. Zweifel were notable. Some well grown stock of Lord was shown by Pohl & Krause; Heitman & Baerman showed Crane and Higinbotham; Otto Tietbohl had Lord and Wm. Helwig displayed Mrs. E. A. Nelson and a seedling white carnation, all very fine; J. D. Thompson Carnation Company exhibited Mrs. Nelson Fisher, which certainly is a fine carnation, also Mrs. M. A. Patten a good variegated variety, and some Adonis. There was also a magnificent vase of Estelle. F. Dorner & Sons showed The Belle and Lady Bountiful, a very good white carnation. The Chicago Carnation Company exhibited a fine lot of Crusader which was well liked, also some Fiancee which elicited considerable attention on account of its monster size. The same firm also showed Harlowarden, Reliance, Dorothy Whitney, Prosperity, Enchantress, Indianapolis and Alba. The club provided eatables, drinkables and cigars.

There was a slight improvement in the market the last week, especially in the rose line. All roses sold well and at good prices. Carnations are arriving in increasing numbers and in consequence all orders are easily filled and at reasonable prices. Bulbous stock is still slow sale, excepting some good La Reine tulips which are moving fairly well. There is an exceptionally good call at present for green goods, especially in the adiantum line. Plants have been slow sale the past month due to the extremely cold weather, the average temperature being 16° above zero.

Fred. Schmeling is able to be about again after being laid up with a broken ankle for five weeks.

Charles C. Carpenter, the new park superintendent, assumed his duties February 1.

Visitors: J. C. Vaughan, Chicago; Otto Sylvester, Oconomowoc, Wis.; James Hartshorne and J. D. Thompson, Joliet, Ill. H.

Montreal.

The Gardeners' and Florists' Club is progressing nicely. The last meeting, held on February 1, had the best attendance for years. Joseph Bennett was elected president to succeed W. Whiting, who has removed from his old home in Montreal.

The florists in this city are experiencing the dullest period they ever had. Good roses are very scarce. The weather is not helping to improve this state of affairs. Snow storms are succeeding each other at close intervals. G. V.

ROCHESTER, N. Y.—The Western New York Horticultural Society began its annual meeting here January 27 with a large and enthusiastic attendance.

OBITUARY.

William A. Burgess.

Wm. A. Burgess, of Glen Cove, an old-time florist and famous grower of Marechal Niel roses, and father of the young man who lost his life in the Hotel Royal fire a number of years ago, died at Brooklyn, Sunday, January 31, aged 83 years.

Joseph Liggett.

Joseph Liggett, for many years a florist at Lowellville, O., died January 28 at the state hospital at Cleveland. He was 75 years of age and for three years had been confined to the state institution. He is survived by but two brothers, William and James. The former resides in Lowellville and the latter in the country. His wife preceded him to the grave.

Leroy Hopkins.

Leroy Hopkins, of Cortland, N. Y., dropped dead of heart disease on the afternoon of February 1, while at work in his greenhouse preparing flowers for a funeral. Mr. Hopkins had been subject to heart trouble for some time. Four or five years ago he dropped in a faint in Brown's drug store, but was restored to consciousness after hard work. The day before his death he complained of not feeling well, and did not return to work until 2 o'clock, feeling somewhat better. He was filling an order for flowers for the funeral of William H. Crane, of Homer, when he fell to the floor. Dr. Dana was summoned, but life had departed. Coroner Moore was notified and pronounced death due to heart failure. The deceased was about thirty-six years of age, and is survived by his father, L. C. D. Hopkins; his wife, one son, and a brother, Harry S. Hopkins, of Binghamton. Mr. Hopkins was one of Cortland's most progressive and successful business men. His greenhouses were the largest and most successful in this section of the state. A. J. B.

William Thompson.

William Thompson, gardener to the Manhattan state hospital, Central Islip, L. I., died suddenly at the age of 63 years, January 17, and was buried in the Catholic cemetery at Bay Shore, L. I., January 20. He was born in Dublin, Ireland, and came to this country in 1888. He became widely known here as a gardener of skill. He was employed at the Manhattan hospital for the last five years, and had marked success, his exhibitions of vegetables and plants at the fairs of Riverhead, Huntington, and at the Barkley lyceum, being awarded the highest prizes in their class. He was formerly gardener at the N. Y. Experiment station, Geneva, N. Y., where he had charge of the growing of vegetables for the World's Fair, Chicago, in 1893. His success and skill were here again very marked, as he was awarded a diploma for high class vegetables grown both in the open and under glass. He was well known in Ireland for his skill in growing all kinds of fruits, flowers and vegetables, and was awarded a certificate of merit by the Royal Horticultural Society of Ireland. The passing away of Mr. Thompson will be very much regretted by the many friends who knew him, because they all loved him for his simple, pure and honorable ways. D.

THE AMERICAN FLORIST

NINETEENTH 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.

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

THE severe winter and its heavy
demand on the coal supply should
advance the price of all greenhouse
plants from fifteen to twenty-five per
cent.

POT roses of all kinds should have a
temperature of 55° at night and 65° to
70° during the day. Frequent fumigating
to keep off greenfly will be necessary.
Roses want abundant ventilation from
the start, but sudden changes must be
carefully avoided or mildew will appear.
Daisies should have plenty of water, air
and light, and fumigating at least once a
week. Fifty degrees at night and 60° to
65° in day will just suit them.

AZALEAS for Easter blooming should
now be given all possible sunlight and
abundant water and all new growths
should be pinched back. A night temper-
ature of 50° to 55° and day tempera-
ture of 65° to 70° is about right for them.
Acacias require essentially the same con-
ditions and treatment. Special care
should be observed to prevent their going
dry at any time. Genistas will come
along all right under similar conditions.
They particularly require all the fresh air
that can possibly be given them.

Wistarias for Easter.

ED. AM. FLORIST:—What course will be
necessary to force wistarias for Easter?
GREEN GROWER.

About five weeks at a moderate tem-
perature, 50° at night, will land them all
right; give plenty of syringing at the
start. WM. EDGAR.

Late Blooming Chrysanthemums.

ED. AM. FLORIST:—Kindly give me a
list of late blooming chrysanthemums.
I notice good blooms in the market as
late as Christmas and would like to try
them if I knew the varieties.

CONSTANT READER.

The following is a list of the best late
blooming varieties:

WHITE.	
Yanoma.	Mrs Rufus W. Smith.
W. H. Chadwick.	Convention Hall.
Merry Xmas.	White Bonnaffon.
PINK.	
Maud Dean.	Mrs. S. T. Murdock.
Superba.	Xeno.
YELLOW.	
Mrs. E. Buettner.	H. W. Buckbee.
H. W. Rieman.	Yellow Chadwick.

To be successful with late blooming
chrysanthemums care must be taken to
select only fresh young growing stock at
time of planting which should be done
during July or the first part of August.

Then aim to take the terminal bud at
about October 1 to 15. The main point
to be taken into consideration is to hold
back the ripening of the wood until as
late a date as possible. It makes quite a
difference in what part of the country
"Constant Reader" is located because if
there is an over abundance of bright
warm weather in the late fall months the
wood will ripen and the bloom mature
in spite of your calculations.

C. W. JOHNSON.

Railroad Gardening.

The Alton railroad has sent out from
Chicago a corps of landscape gardeners
to examine the different stations on its
lines from that city to St. Louis and from
Kansas City to St. Louis, with the view
of preparing plans for the beautifying of
depot grounds. It is the intention to lay
out flower beds, grass plots and shrub-
bery patches at every important station
along the lines between the points named,
with the view of making the grounds as
attractive as possible for the visitors to
the world's fair at St. Louis. The work
of fixing up the grounds according to the
plans now being prepared will be begun
as soon as the weather will permit.

MAMARONECK, N. Y.—Samuel Riddell,
gardener to F. A. Constable, has a white
sport from Enchantress. The flowers
are said to be very large and of pure, glis-
tening white, with regular Enchantress
habits.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

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Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 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 grower
age 36, single. F I, care American Florist.

Situation Wanted—By young man as rose
grower; 7 years' experience. Address
R, care American Florist.

Situation Wanted—By young lady experienced
in cut flower store. Must be in Chicago. Address
E M, care American Florist.

Situation Wanted—Private place by first-class
man, 30 years' experience; 10 years in last place.
Box 20, care American Florist.

Situation Wanted—By florist and gardener on
private place; age 36, single; 21 years' experience.
Address I F, care American Florist.

Situation Wanted—As foreman or manager.
Twenty years experience in best private and
commercial places in country.
D S, 84 Hawley St., Boston.

Situation Wanted—By practical florist, grower
of roses, carnations, 'mums and general stock; 9
years experience. Address
R B, care American Florist.

Situation Wanted—As foreman. Carnations,
roses and general stock. Single, age 27. Refer-
ences. Life experience. Address
GEORGE, care American Florist.

Situation Wanted—By all-around florist, life
experience, carnations, roses and general stock,
on a retail place. Address
PERCY ROGERS, St. Johnsbury, Vt.

Situation Wanted—By practical florist; 25
years growing fine roses, carnations, 'mums
and general stock; good designer. Address
W. H. FLORIST, P. O., Detroit, Mich.

Situation Wanted—By young man as assistant
in private place. Understands carnations, roses,
violets, etc. Sober and industrious; good refer-
ences. H D, care American Florist.

Situation Wanted—As head gardener in private
place, understanding greenhouse work, vegetable
raising, home landscaping, poultry raising and
bee culture. single; 45 years old and sober.
O V, care American Florist.

Situation Wanted—By young man, 6 years'
experience in retail florist business. Chicago or
middle west preferred; good references; state
wages. Address
JOHN WILLIAMS,
928 N. Clark St., Chicago, Ill.

Situation Wanted—By a young married man
on private or commercial place. Capable of tak-
ing charge of small place; reference as to ability.
Small town preferred. State wages. Address
No. 25, care American Florist.

Situation Wanted—By an experienced gardener
of unquestionable ability. Well qualified to take
charge of an up-to-date gentleman's country
estate. Address
P. B. R. Box 486, Highland Park, Ill.

Situation Wanted—Carnation expert wants
position on commercial place. 20 years' experi-
ence in general greenhouse work. Best of refer-
ences given. Give full particulars when you
write. EXPERT, care American Florist.

Situation Wanted—By young man, age 32,
German, single. Experienced in palms, ferns,
bulbs, bedding, forcing stock and Easter plants.
St. Louis preferred. Address
C. J.,
care H. E. SOBEFFLER, 738 Chicago Ave., Chicago

Situation Wanted—By competent gardener to
take charge of gentleman's place, 18 years'
experience and thoroughly understands the care
of private grounds, greenhouses, also forcing of
grapes and peaches. First-class references.
L B, care American Florist.

Situation Wanted—By energetic and practical
gardener, age 27; thoroughly versed in theoretical
and practical landscape gardening, cultivating
and growing. German, some English. Is open
for first-class position by March 1. Address
G B, care American Florist.

Situation Wanted—By competent grower of
roses, carnations, 'mums, bedding plants, palms,
ferns; good propagator; some experience in mak-
ing up and decorating; German, age 32; 17 years'
experience. Around Chicago or central states
preferred. C V, care American Florist.

Situation Wanted—By a single, sober man, age
34; experienced in vegetable and nursery stock,
in an all-around retail business where there is
opportunity to learn to grow cut flowers, carna-
tions, etc. A country town preferred. State
wages. Address
Box 679, Omaha, Neb.

Situation Wanted—As foreman by practical
man. First-class landscape gardener and florist.
Grower of cut flowers and plants. Capable to
take full charge on private or commercial place.
18 years' experience. Southern state preferred.
Please state wages. Address
LANDSCAPE, care American Florist.

Situation Wanted—As foreman by March 1st,
of 25,000 to 75,000 feet of glass, in or within 25 to
50 miles from Chicago. Have a thorough experi-
ence in retail and wholesale trade. I am young,
27 years of age, but energetic and willing and can
furnish first-class references.
Box 15, care American Florist.

Situation Wanted—By married man as fore-
man in commercial or private place, having now
charge of the most up-to-date place in his vicinity
and with best of reference. Can come at once;
understands florist's business in all its branches
and used to handling men. Good wages expected.
With full particulars, address
C O F, care American Florist.

Situation Wanted—By American, as manager.
Good grower of cut flowers, palms and plants,
well up in design and decoration. Thoroughly
understand construction and heating and can
manage help. Furnish good references and will
only accept good position where good wages will
be paid. In answering give full particulars and
wages you will pay. Address
H. E. SEITZ, Newville, Pa.

Situation Wanted—By first-class florist of
business ability. German, age 32, single. Life
experience in cut flowers, roses, carnations,
'mums, lilies, flowering bulbs, and everything in
the forcing line, ferns, stove and bedding plants,
also tasteful designer. Would take charge and
manage small place of 10,000 to 25,000 feet of glass.
Retail and wholesale business preferred. Having
18 years' practical experience, Germany, England
and United States, understand my business and
can produce good stock. With view of good
salary, share of profits or active partner.
RELIABLE, care American Florist.

Help Wanted—A first-class florist for store
work. Must be capable to act as head man.
D B, care American Florist.

Help Wanted—Florist and landscape gardener,
for private place. Must be thoroughly compe-
tent, sober and industrious. State wages.
OXFORD RETREAT, Oxford, Ohio.

Help Wanted—A reliable young man to stay in cut flower store that can decorate and plant flower beds in the spring. Address
F. WALKER & Co., Louisville, Ky.

Help Wanted—An experienced angle man to grow vegetables for large private family; good permanent position for steady, industrious man.
ALFRED HARDING, Villa Nova, Pa.

Help Wanted—Single man with some experience, for general greenhouse work. References required. State wages expected with board and room.
ESTERVILLE GREENHOUSES,
Estherville, Ia.

Help Wanted—A good nursery foreman who is capable of handling men and understands transplanting thoroughly. First-class position for first-class man. Address
THE COTTAGE GARDENS Co., Queens, L. I.

Help Wanted—Competent man who thoroughly understands packing and shipping specimen nursery stock. First-class man can secure a permanent position. Address
THE COTTAGE GARDENS Co., Queens, L. I.

Help Wanted—An experienced violet grower. Thoroughly capable and well recommended to take care of greenhouses for violet culture in suburb of Chicago. State experience, age and salary wanted. Address
B D, care American Florist.

Wanted—To lease with option of buying a place of from 15,000 to 30,000 sq. feet of glass, wholesale trade preferred with necessary land, house, barns, etc. Must be in good condition and suitable for production of first-class stock.
M D, care American Florist.

Help Wanted—Bright, energetic young man to take charge of retail flower store. Must be thoroughly up-to-date as a designer and decorator. Address with reference as to ability, character, etc., stating wages expected.
CURRIE BROS. Co., Milwaukee, Wis.

Help Wanted—An all-around man not over 35 years old in retail place of 10,000 feet of glass. Must be a neat and rapid workman. Wages \$65 per month. State age and reference; steady position.
SEATTLE FLORAL COMPANY,
Fourth and Denny Way, Seattle, Wash.

Wanted—To buy a second-hand Nicholson's or Bailey's Dictionary. Write to
Box 157, South Lancaster, Mass.

Wanted—An active young man with business ability and some capital, and experience in managing a large cut flower growing plant, wishes to correspond with a grower with view of buying interest in place and taking full charge. Only a clear, aggressive party in middle western states need reply. Address
CONFIDENTIAL, care American Florist.

For Sale—Greenhouses; good location for local and shipping business in Michigan. Well stocked. Reason for selling, on account of failing health.
H B, care American Florist.

For Sale—Over 12,000 feet of glass, all heated by steam, in first-class condition. Will sell at reasonable price. Terms to suit. Address
GLASS, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale—I will offer at public sale, Feb. 11, 1904, greenhouse property consisting of 4,000 feet of glass; well stocked. Also 8 room dwelling will positively be sold. Call or address
W. S. TAGGART, St. Clairsville, O.

For Sale or Lease—Fine greenhouse establishment of 10,000 feet of glass, in good condition and well stocked, with or without dwelling. Fine opening for a single man. Stock reasonable.
X Y Z, care American Florist.

For Sale or Lease—Between 30,000 to 40,000 feet glass; barn, dwelling house; hot water heating, constant water supply, two acres for cultivation in Bronx Borough, New York city. Address
J. RINGLER, 728 3d Ave., New York.

Wanted—Greenhouse Material for 3/4 span, glass 18x16; dbl. A sash bars and plates, ventilating fixtures, etc. Quote prices giving particulars for whole or part.
NORTHWEST, care American Florist.

Situation Wanted.

As manager or chief assistant in retail cut flower store. Sixteen years' experience in first-class stores. Best reference.

W F H, 2041 Arch St., Philadelphia.

FOR SALE.

3 New Greenhouses, 26x120 feet, each, in suburbs of Detroit, on street car line. Five cent fare. Sell at great sacrifice. Easy terms. Inquire quick.

A. A. NALL, 778 Second Ave., Detroit, Mich.

WANTED.

Position as foreman or manager in an up-to-date establishment; either wholesale, retail or mailing. Am up in all branches, catalogue marking, building, heating and growing of fine stock. 2,000,000 plants grown the past season. Three years in last place. 40 years old and a hustler. Northern place preferred. Married, temperate and strictly business. Best of reference as to ability and business qualities. Address LONE STAR, 611 No. Washington Ave., Dallas, Tex.

For Sale—12,000 to 15,000 square feet of glass, splendid location, all retail trade, no difficulty in selling all you grow and more too. All new houses, small dwelling house, barn and everything new and up-to-date; 5 houses in carnations, 2 in roses, 2 were in 'mums, now bedding plants, 1 mixed house, fine palms, callas, smilax, asparagus, etc. Will take partner with privilege of all later if desired. Strictest investigation solicited. Ill health only reason for selling. Furman boiler, electric lights, office. Everything up-to-date. Cost \$11,000. A bargain for someone. No money wanted until everything is proved as represented. Apply to
W. BUTLER, Chillicothe, O.

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Care Citizens Trust Company, MILWAUKEE, WIS.

Chas. W. McKellar,

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—AND DEALER IN—

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Correspondence invited from growers of specialties in Cut Flowers.

Please mention the American Florist when writing.

Geo. A. Kuhl,

Pekin, Ill.

Grows for the Trade

Roses, Carnations, Coleus, Boston and Piersoni Ferns, Geraniums, Primroses, Obconica, Cinnerarias, Etc., in bloom.

SEE ADS IN LAST WEEK'S ISSUE.
—WRITE HIM.—

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

H. G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Eine absolute Nothwendigkeit!

Siermit \$1.00 für mein Abonnement. Es ist die Pflicht eines Jeden prompt für den „American Florist“ zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

Wholesale Flower Markets

MILWAUKEE, Feb. 4.

Roses, Beauty, long per doz.	3.00
" " med. " 150@ 2 00	
" " short " 50@ 1.00	
" " Bride, Bridesmaids.....	6.00@ 8.00
" " Meteor, Golden Gate.....	6.00@ 8.00
" " Perle.....	6.00@ 8.00
Carnations.....	2.00@ 4.00
Smilax.....	15.00
Asparagus.....	35.00@50.00
Violets.....	.50@ .75
Valley.....	3.00@ 4.00
Romans.....	2.00@ 3.00
Freesias.....	3.00
Tulips.....	3.00

PITTSBURG Feb. 4.

Roses, Beauty, specials.....	40.00@60.00
" " extras.....	25.00@ 35.00
" " No. 1.....	10.00@20.00
" " ordinary.....	3.00@ 6.00
" " Bride, Bridesmaid.....	3.00@15.00
" " Meteor.....	6.00@15.00
" " Liberties.....	12.00@25.00
Carnations.....	1.00@ 8.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.25
Asparagus, strings.....	30.00@50.00
Asparagus Sprengeri.....	2.00@ 4.00
Sweet Peas.....	.50@ 1.00
Violets.....	.50@ 1.50
Lilies.....	12.00@20.00
Mignonette.....	3.00@ 5.00
Romans, Paper White.....	1.00@ 3.00
Tulips.....	2.00@ 4.00
Lilac.....	1.00@ 1.50

CINCINNATI, Feb. 4.

Roses, Beauty.....	2.00@ 6.00
" " Bride, Bridesmaid.....	4.00@12.00
" " Liberty.....	4.00@10.00
" " Meteor, Golden Gate.....	4.00@12.00
Carnations.....	3.00@ 6.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.50
Narcissus.....	.75@ 1.00
Romans.....	4.00
Harrisii.....	per doz., 2.00
Calla.....	12.50@15.00
Sweet peas, Blanche Ferry.....	1.00

ST. LOUIS, Feb. 4.

Roses, Beauty, long stem.....	3.00@4.00
" " Beauty, medium stem.....	1.50@2.00
" " Beauty, short stem.....	.50@ .75
" " Bride, Bridesmaid.....	4.00@ 8.00
" " Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 4.00
Smilax.....	12.50@15.00
Asparagus Sprengeri.....	1.00@ 3.00
" " Plumosus.....	.35.00@75.00
Ferns.....	per 1000, 2.00@2.75
Violets, single.....	.50@ .60
Narcissus Paper White.....	2.00@ 3.00
Valley.....	3.00@ 4.00
Romans.....	1.00@ 3.00

DENVER, Feb. 2.

Roses, Beauty, long.....	25.00
" " medium.....	15.00
" " short.....	8.00
" " Liberty.....	4.00@ 8.00
" " Chateauy.....	4.00@ 7.00
" " Bride, Bridesmaid.....	4.00@ 6.00
Carnations.....	3.00@ 4.00
Smilax.....	20.00

ROSES,
CARNATIONS,
BEAUTIES,
VALLEY.

Pittsburg Cut Flower Co., Ltd.

Wholesale Florists and Supplies.

504 Liberty St.,

PITTSBURG, PA.

Please mention the American Florist when writing.

E. H. Hunt,

WHOLESALE

Cut Flowers

'THE OLD RELIABLE.'

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

FANCY

CARNATION BLOOMS

OUR SPECIALTY.

TELEGRAPH ORDERS FILLED PROMPTLY.

J. D.
THOMPSON CARNATION CO.
JOLIET, ILL.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

CUT FLOWERS OF ALL KINDS

and Florists' Supplies.

Galax, bronze or green, 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss, Ferns.

Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, 130 E. 3d St., CINCINNATI, O.

Telephone, 980 Main.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,

AT CHICAGO MARKET RATES.

42-44 E. Randolph St.,

CHICAGO, ILL.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph St.,
CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

WEILAND-AND-RISCH

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.

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.

A. L. RANDALL CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

MICHAEL Winandy

Wholesale Grower
and Shipper of **CUT FLOWERS**

60 WABASH AVE., CHICAGO.
Telephone 3067 Central.

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.

Please mention the American Florist when writing.

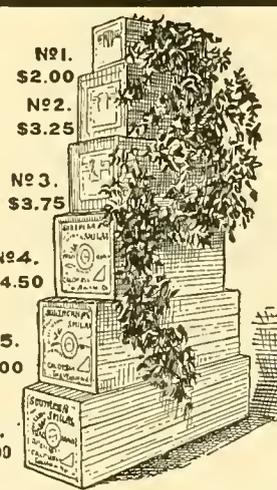
Brant & Noe Floral Co.,

CROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.



No. 1. \$2.00
No. 2. \$3.25
No. 3. \$3.75
No. 4. \$4.50
No. 5. \$5.00
No. 6. \$6.00

J. B. DEAMUD,

WHOLESALE CUT FLOWERS

51 Wabash Ave., CHICAGO.

PRICE LIST. Per Doz

Beauties, 30 to 36 inch stem.....	\$4.00 to \$ 5.00
" 20 to 24 inch stem.....	3.00
" 15 to 18 inch stem.....	1.50 to 2.00
" 12 inch stem.....	.75 to 1.00
Per 100	
Liberty and Chatenay.....	6.00 to 10.00
Brides and Bridesmaids.....	6.00 to 10.00
Meteor and Golden Gates.....	6.00 to 10.00
Carnations.....	2.00 to 4.00
" fancy.....	3.00 to 5.00
Valley.....	2.00 to 4.00
Violets, double.....	.50 to 1.50
" single.....	.50 to .75
Asparagus Plumosus... per string, 25 to 50c	
Asparagus Sprenger Sprays.....	2.00 to 4.00
Ferns, fancy.....	\$3.00 per 1000
".....	.30
Smilax.....	12.50 to 15.00
Adiantum.....	1.00

Caldwell's Kwality Kounts Brand
CONSTANTLY ON HAND.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of **CUT FLOWERS**

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager. Wholesale and
Consignments Solicited. Commission **FLORISTS**

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Feb. 5.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" 20 to 24 "	2.50
" 15 to 18 "	1.50@ 2.00
" 12 "	1.00@ 1.25
" Liberty.....	6.00@ 8.00
" extra select.....	10.00@ 15.00
" Chatenay.....	6.00@ 12.00
" Bride, Bridesmaid.....	6.00@ 10.00
" Meteor, Golden Gate.....	6.00@ 10.00
Carnations.....	2.00@ 3.00
" fancy.....	3.00@ 5.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@ 4.00	
" Sprenger.....	2.00@ 4.00
Violets, double.....	.50@ 1.50
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
" Green, " " " " " "	1.00
Adiantum.....	1.00
Fancy ferns... per 1000	2.50@ 3.00
Smilax.....	12.50@ 15.00
Callas.....	1.50@ 2.00 per doz.
Harrisii.....	2.00@ 2.50

SINNER BROS.

Wholesale Growers
and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telegraph and telegraph orders
given prompt attention.

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.

Poehlmann Bros. Co.

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

All telegraph and telephone orders
given prompt attention. **35-37**
GREENHOUSES: Randolph Street,
Morton Grove, Ill. CHICAGO, ILL.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.
26 Miami Ave., DETROIT, MICH.

American Florist Advertisements
Work Every Day.

Leo Niessen

BEAUTIES, VALLEY, ORCHIDS.

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open
from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.

QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET,

15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

THOMAS YOUNG, Jr.
WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.
Please mention the American Florist when writing.

GEORGE SALTFORD,
WHOLESALE FLORIST.
46 W. 29th Street, NEW YORK.
TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.
Consignments of any good flowers solicited.
Please mention the American Florist when writing.

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.

N. Lecakes & Co.
63 W. 28th St., and 45 W. 29th St.
Also at
26th St. and 34th St. Markets
New York.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES
GREEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$6.50 per case of 10,000.
Holly, Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.
Please mention the American Florist when writing.

Wholesale Flower Markets

BOSTON, Feb. 3.

Roses, Beauty, extra.....	30.00@50.00
" " medium.....	10.00@20.00
" " outla.....	1.00@ 5.00
" " Bride, Bridesmaid.....	2.00@ 5.00
" " extra.....	6.00@12.00
" " Liberty.....	4.00@10.00
Carnations.....	1.00@ 2.10
" " Fancy.....	3.00@ 5.00
Violets.....	.40@ .75
Lily of the valley.....	2.00@ 3.00
Harrisii lilies.....	6.00@ 8.00
Smilax.....	10.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Roman Hyacinths, P. W. narcissus.....	1.00@ 2.10
Daffodils.....	1.00@ 3.00
Tulips.....	2.00@ 3.00

PHILADELPHIA, Feb. 3.

Roses, Tea.....	6.00@10.00
" " extra.....	12.00@15.00
" " Beauty, extra.....	35.00@50.00
" " firsts.....	16.00@25.00
" " Queen of Edgely, extra.....	35.00@50.00
" " firsts.....	16.00@25.00
Carnations.....	2.00@ 8.00
Violets, single.....	40@ .50
" " double.....	.75@ 1.00
Lily of the valley.....	3.00@ 5.00
Daffodils.....	4.50@ 5.00
Tulip.....	3.00@ 4.00
Freesia.....	3.00@ 5.00
Lilac.....	.75@ 1.25 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00

BUFFALO, Feb. 4.

Roses, Beauty.....	5.00@50.00
" " Bride, Bridesmaid, Meteor.....	3.00@12.00
Carnations.....	2.00@ 6.00
Harrisii.....	15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.50@ 1.00
Violets.....	.40@ 1.00
Callas.....	8.00@12.50
Sweet Peas.....	.50@ 1.10

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

SOUTHERN SMILAX.

No. 1 quality only \$5.50 per case of 50 lbs. Be sure and try it when you want Smilax. GALAX, bronze or green, 75c per 1000. Discount on large orders. LAUREL FESTOONING, No. 1 quality, 4c, 5c and 6c per yard. Always on hand and large orders filled at short notice. FANCY or DAGGER FERN, \$1.50 per 1000.



Long distance telephone connection.

SMILAX and BEAUTIES CHEAP.

600 Beauties, 3 1/4-inch pots, well branched, \$6.00 per 100.
2,000 Smilax 3 1/4-inch, stocky plants, \$2.00 per 100. Cash with order.

Quality of plants guaranteed.

ROSEMONT GARDENS, MONTCOMERY, ALA.

Laurel Roping
OLIVER L. TRONNEM, Vineland, N. J.

Many Electrotypes

SUITABLE FOR
Folders, Circulars and Catalogues
FOR SALE BY THE
AM. FLORIST, 324 DEARBORN ST., CHICAGO.

Flowers of All Kinds.

Write Us For
Prices.

OPEN FROM 7:00 A. M. TO :00 P. M.

THE PHILADELPHIA WHOLESALE FLOWER MARKET, 1224 Cherry Street, PHILADELPHIA, PA.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH
Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS.
Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Chrysanthemums.

Telephones 2200 and 2201 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. 1906 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,
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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,
COMMISSION FLORIST,

Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
115 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.
55 and 57 W. 26th St. New York.
Cut Flower Exchange.

OPEN 8:00 A. M.
An Unequaled 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, Feb. 2.

Roses, Beauty, best.....	25.00@50.00
" " medium.....	8.00@15.00
" " culls.....	1.00@ 3.00
" " Bride, Bridesmaid, G. Gate.....	3.00@15.00
" " Liberty.....	3.00@25.00
Carnations.....	2.00@ 3.00
" " fancy and novelties.....	4.00@10.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	6.00@10.00
Violets.....	.25@ .40
" " special.....	.50@ .75
Smilax.....	5.00@10.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Cattleya Percivalliana.....	40.00@50.00
Dendrobium formosum.....	30.00@40.00
Cypripediums.....	10.00@12.00
Mignonette.....	1.00@ 4.00
Roman Hyacinths.....	.50@ 2.00
Tulips.....	1.00@ 3.00
Narcissus, Paper White.....	1.00@ 2.00
Gardenias.....	25.00@50.00
Stevia, per bunch, .10 to .25	
Freesia.....	.10@ .15 per bun.
Jonquils, Daifodils.....	1.00@ 3.00

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which can ship
ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

FORD BROS.

Receivers and Shippers of

FRESH FLOWERS,

111 West 30th St., NEW YORK
Telephone 157 Madison Square.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891.

Alfred H. Langjahr, 55 W. 28th St.
New York.
Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th St. N. W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: **ALEXCONNELL.** WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

**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.

CHICAGO.

A. LANGE,
47-51 Monroe Street,
CHICAGO.
BEST FLOWERS FOR ALL OCCASIONS.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

241 Massachusetts Ave., INDIANAPOLIS, IN.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**

4326-4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Umbria	1	Sat. Feb. 13, 2:00 p. m.	Feb. 21
New York	"	Ivornia	1	Sat. Feb. 6, 7:30 a. m.	Feb. 23
New York	Glasgow	Mongolian	2	Thur. Feb. 13, 11:00 a. m.	Feb. 23
Halifax	Liverpool	Parisian	2	Mon. Feb. 8,	Feb. 15
Halifax	"	Pretorian	2	Mon. Feb. 15,	Feb. 22
New York	Hamburg	Bluecher	3	Thur. Feb. 11, 10:00 a. m.	Feb. 21
New York	"	Pennsylvania	3	Sat. Feb. 20, 7:00 a. m.	Mar. 1
New York	Genoa	Palatia	3	Tues. Feb. 16, 10:00 a. m.	Feb. 29
New York	Copenhagen.	Oscar II	4	Wed. Feb. 17, 2:00 p. m.	
New York	Glasgow	Anchoria	5	Sat. Feb. 13, Noon	Feb. 23
New York	London	Mesaba	8	Sat. Feb. 13, 9:00 a. m.	Feb. 23
New York	"	Minnetonka	6	Sat. Feb. 20, 8:00 a. m.	Mar. 1
New York	Liverpool	Oceanic	7	Wed. Feb. 10, 1:00 p. m.	Feb. 16
New York	"	Celtic	7	Wed. Feb. 17, 6:00 a. m.	Feb. 23
Boston	"	Cymric	7	Thur. Feb. 18, 11:00 a. m.	Feb. 25
Boston	Alexandria	Republic	7	Sat. Feb. 13, 8:00 a. m.	Mar. 2
New York	Southampton	New York	8	Sat. Feb. 13, 9:30 a. m.	Feb. 20
New York	"	St. Paul	8	Sat. Feb. 20, 9:30 a. m.	Feb. 26
New York	Antwerp	Vaderland	9	Sat. Feb. 13, 10:30 a. m.	Feb. 22
New York	"	Kroonland	9	Sat. Feb. 20, 10:30 a. m.	Feb. 29
New York	Havre	La Lorraine	10	Thur. Feb. 11, 10:00 a. m.	Feb. 21
New York	"	La Bretagne	10	Thur. Feb. 18, 10:00 a. m.	Feb. 23
New York	Genoa	Liguria	12	Tues. Feb. 9, 11:00 a. m.	Feb. 24
New York	Bremen	K. Wil. Der Grosse	13	Tues. Feb. 9, 10:00 a. m.	Feb. 16
New York	"	Rhein	13	Tues. Feb. 16, 10:00 a. m.	Feb. 27
New York	Genoa	Hohenzollern	13	Sat. Feb. 13, 11:00 a. m.	Feb. 26
New York	"	Lahn	13	Sat. Feb. 20, 11:00 a. m.	Mar. 3
Boston	Liverpool	Cestrian	14	Wed. Feb. 10, 5:30 a. m.	Feb. 18
Boston	"	Devonian	14	Wed. Feb. 17, 10:30 a. m.	Feb. 25

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

**JOHN BREITMEYER'S
SONS**

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

DENVER.

**The Park
Floral Co.**

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

**SIEVERS & BOLAND,
Floral Artists,**

33 Post Street, SAN FRANCISCO, CAL.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER
GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15c per square inch. Send list of your needs to.....

The American Florist Co., Chicago.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Campania	1	Sat. Feb. 13	Feb. 20
Liverpool.....	"	Etruria	1	Sat. Feb. 20	Feb. 26
Liverpool.....	Boston	Saxonia	1	Tues. Feb. 18	Feb. 23
Fiume.....	New York	Aurania	1	Fri. Feb. 19	
Glasgow.....	"	Siberian	2	Sat. Feb. 13	Feb. 23
Hamburg.....	"	Moltke	3	Sat. Feb. 13	Feb. 23
Hamburg.....	"	Pretoria	3	Sat. Feb. 20	Mar. 1
Genoa.....	"	Phoenicia	3	Thur. Feb. 18	Mar. 2
Copenhagen.....	"	United States	4	Wed. Feb. 10	
Copenhagen.....	"	Hekla	4	Wed. Feb. 17	
Glasgow.....	"	Ethiopia	5	Sat. Feb. 20	Mar. 1
London.....	"	Menominee	6	Thur. Feb. 11	Feb. 21
London.....	"	Minneapolis	6	Thur. Feb. 18	Feb. 28
Liverpool.....	"	Cedric	7	Wed. Feb. 10	Feb. 17
Liverpool.....	"	Majestic	7	Wed. Feb. 17	Feb. 24
Liverpool.....	Boston	Cretic	7	Thur. Feb. 18, 3:30 p. m.	Feb. 25
Alexandria.....	"	Canopic	7	Thur. Feb. 18, 3:00 p. m.	Mar. 7
Southampton.....	New York	Philadelphia	8	Sat. Feb. 13, Noon.	Feb. 19
Southampton.....	"	St. Louis	8	Sat. Feb. 20, Noon.	Feb. 27
Antwerp.....	"	Zeeland	9	Sat. Feb. 13, 11:00 a. m.	Feb. 22
Antwerp.....	"	Finland	9	Sat. Feb. 20, 2:00 p. m.	Feb. 29
Havre.....	"	La Touraine	10	Sat. Feb. 13	Feb. 23
Havre.....	"	La Champagne	10	Sat. Feb. 20	Mar. 1
Rotterdam.....	"	Rotterdam	11	Sat. Feb. 20	Mar. 1
Genoa.....	"	Citta di Milano	12	Mon. Feb. 8	Feb. 23
Genoa.....	"	Sicilia	12	Mon. Feb. 15	Mar. 1
Bremen.....	"	Kronprinz Wilhelm	13	Tues. Feb. 9, 8:00 a. m.	Feb. 18
Genoa.....	"	Prinzess Irene	13	Thur. Feb. 11	Feb. 24
Liverpool.....	Boston	Bohemian	14	Sat. Feb. 13	Feb. 21
Liverpool.....	"	Canadian	14	Sat. Feb. 20	Feb. 28

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

	Per Doz.
AM. BEAUTIES, long stems,	\$5.00
" " 30-in. "	4.00
" " 20-24 "	\$2.50 to 3.00
" " 15-18 "	1.50 to 2.00
" " Short stems.....	1.00 to 1.25
Per 100	
SUNRISE.....	\$4.00 to \$10.00
CHATENAY.....	6.00 to 12.00
BRIDE.....	5.00 to 8.00
BRIDESMAID.....	5.00 to 8.00
PERLE.....	5.00 to 8.00
CARNATIONS.....	3.00 to 4.00
ROSES, OUR SELECTION.....	4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

FARGO, N. D.—The North Dakota Horticultural Society was organized here the last week in January. James Holes, of Fargo, was elected president; David Bartlett, treasurer; C. B. Waldron, secretary.

GALAX LEAVES, ETC., Fresh New Crop.

Galax Leaves, Green and Bronze, per 1000.....\$.60
Cut Fancy and Dagger Ferns, per 1000..... 1.00
Leucothoe Sprays, Green, per 1000..... 3.00
" " Red, per 1000..... 6.00
Rhododendron Sprays, per 1000..... 5.00

Largest dealer in the U. S. Orders filled promptly. Send cash with order. Send 50c for a nice cane, cut from the famous mountains of N. C. Nicely varnished, crooked or straight. Mention length desired and variety of wood—blackberry, rhododendron, wahoo, poplar, striped maple, etc. Grand souvenir, besides useful. Try one or more.

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

GALAX...

Bronze or green, 75c per 1000, in 2,000 ots or more. **Leucothoe Sprays**, green, 90c per 100. **Southern Smilax**, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. **Green Sheet Moss**, choice stock, \$2.50 per barrel sack. **Sphagnum Moss**, \$1.75 per large bale.

FLORIST'S SUPPLIES of Every DESCRIPTION.

Tel. 597 Madison Square. L. J. KRESHOVER, 110-112 W. 27th St., New York.

It is good business policy
.....to mention the

American Florist

When you write to an advertiser.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Supplies, Dagger and Fancy Ferns, \$1.50 per 1000, A No. 1 quality. Bronze and Green Galax, \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

E. F. Winterson Co.

—Successors to—

McKellar & Winterson.

ESTABLISHED 1894.

We are handling the cut of Rudd's "PHYLLIS," the grand new pink—and new *Seedling White* (unnamed, but a "crackerjack") carnations. These arrive daily—get a sample shipment, but give us a day or two notice, as we sell them out as a rule in advance of arrival. Price, Phyllis, 6c; White Seedling, 4c.

FANCY EASTERN VIOLETS. The best that come into this market, \$1.00 per hundred.

EXTRA FINE HARRISII BLOOMS, 12c to 15c.

FANCY FREESIAS, 3c to 4c.

A daily supply from 34 GROWERS enables us to take care of shipping orders to the buyers' advantage.

Get our Weekly Price List. It is free and worth your while.

HEADQUARTERS FOR

Galax Leaves and all Greens.

"SUPERIOR QUALITY"

WILD SMILAX

—(NONE BETTER.)—

ALWAYS ON HAND.

We carry the most complete line of Florists' Supplies in the West. Catalogue free. Address all correspondence to

45-47-49 Wabash Ave., CHICAGO.

Orchids!

Just arrived in superb condition, a large shipment of **DENDROBIUM NOBILE**, most useful for florists; also *Dend. Chrysanthum* and others. To arrive, *Cattleya Trianae* and *C. Gigas*.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

THE CLEVELAND CUT FLOWER COMPANY

—SUCCESSORS TO—

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Charles McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

MAIL order business to date is reported rather slow.

THE value of French bulbs exported to the United States the fall of 1902 is given in the United States consular report at Toulon as \$127,881.

THE canners' convention, which occurs in Columbus, O., the coming week, is expected to shed some much-needed light on the sweet corn situation.

VISITED CHICAGO:—J. E. Northrup, of Northrup, King & Company, Minneapolis, Minn.; J. A. Robinson, with the J. B. Rice Company, Detroit; O. H. Will, of the O. H. Will Company, Fayetteville, N. Y.

LE SYNDICAT DE DEFENCE AGRICOLE ET HORTICOLE, having completed its third successful year, at its annual meeting at Hyeres, France, January 10 last, selected the following named persons for its officers for the year of 1904: President, M. Fichet-Nardy; Vice-Presidents, MM. Paul Amic, Michel Crozy and Paul Gensollen; Secretary, Pierre Moulis; Assistant Secretary, Henri Coufourier; Treasurer, M. Burlat; Assistant Treasurer, Lucien Recous.

Detroit.

The continued excessively cold weather seems to be largely responsible for a condition of trade which is anything but satisfactory to either growers or retailers. The former are complaining of a meagre cut of both roses and carnations, and the bulbous flowers produced are bringing very unsatisfactory prices. The violet growers, who are producing a generous crop of good blooms, are realizing lower prices at present than ever before, at the same period of the year, while the consumption of coal is greater than ever, and adding materially to the cost of everything grown. In retail circles reports indicate a great scarcity of good roses during the whole of the last month, and while carnations are at times plentiful the supply is irregular and unsteady. Romans, Paper Whites and lilies have been plentiful but their use has been confined almost entirely to funeral work. Violets are meeting with slow demand and the reduced prices on them do not encourage the retailers and the public sufficiently to consume the present large supply.

The club meeting Wednesday evening, February 3, brought out a large attendance. The entire time was devoted to the consideration of matters pertaining to the coming carnation meeting. Several committees were appointed to take charge of different portions of the work, and nothing is being neglected which will add to the completeness of every detail connected with the event, it being the desire and determination of those in charge to make the meeting and exhibition the most successful in the history of the society. Already many growers have signified their intention of making extensive exhibits, and the many inquiries concerning hotel accommodations, etc., indicate a large attendance of members. J. F. S.

Buffalo, N. Y.

We are still having cold weather with lots of snow. The event of last week was McKinley day. The sale of carnations was far in excess of last year. Palmer & Anderson, being downtown, had a large sale among business men. The Rebstocks, both J. H. and R. M., and also Byrne & Slattery had good sales. The making of a flat rate of 10 cents each was an excellent move. If an increased price had been asked the sales would have been much smaller. Several store windows were appropriately trimmed for the occasion. Anderson had samples of the mourning stationary used by all the cabinet officers, the lead pencil used by President McKinley in the last official business he transacted and the book compiled by the committee containing clippings, pictures, etc., pertaining to his assassination, death and burial.

The meeting of florists to discuss the action of the directors of Forest Lawn cemetery was spirited and resolutions were drawn protesting against their action. An effort will be made to see if it cannot be received. It seems to be unwarranted and deprives many florists of what was a big feature of their business. Another meeting will be held and a reply from the directors heard.

Prof. Cowell called last week and

reported things in good shape at South Park. It is not decided as yet who is going to Detroit but the usual eight or ten will surely go.

Several weddings are booked for this week and a good trade is expected between now and Lent. Bison.

Lenox, Mass.

The Lenox Horticultural Society held its tenth annual ball January 26 in the town hall. It was the most successful and elaborate of the series. Preceding the dance a concert was given by Gartland's tenth regiment band, of Albany. Dancing was commenced shortly after 9 p. m. and continued until 2:30 a. m. The customary programmes were dispensed with and favors substituted, the ladies receiving celluloid book marks with pansies painted on them. The grand march was led by Vice-President Heeremans and Miss Weston, of Lenox. The march was participated in by nearly 100 couples. The committees of the ball were:

Arrangements—Charles R. Russell, Edward J. Norman and George F. Thompson.
Floor—Charles R. Russell, H. P. Woolsey, F. Heeremans and J. E. Bosworth.
Reception—E. Jenkins, F. Heeremans, S. Carlquist, R. A. Schmid and George Foulsham.

G. F.

LILY OF THE VALLEY.

• FINEST BERLIN PIPS, for Early Forcing,
\$12.00 per 1000; \$30.00 per case 2500;
\$1.50 per 100.

These are strong pips, well rooted and give best satisfaction.

FINEST CUT VALLEY ALWAYS ON HAND.

H. N. BRUNS,

VALLEY SPECIALIST,

1409-1411 W. Madison St., CHICAGO.

20,000 FRESH
Asparagus Plumosus Seed
Price per 1000, \$5.00.
Inquire of

HENRY YOUNG, Ada, Ohio.

WANTED.

Growers of Sweet Pea Seed for the trade.

F. A. ROSCOE, Steeple Morden, Royston, England.

Asparagus Plumosus Nanus Seeds fresh from the vines,
\$6.00 per 1000 or \$5.00 per 1000 above 10,000. Smilax
Seeds, new crop, \$1.25 per lb. Cash with order.
COTTAGE NURSERY, 1421 D. St., San Diego, Cal.

LILY OF THE VALLEY

SELECTED DRESDEN.

Unequaled for early forcing. No. 1 Stock per 100,
\$1.50; 250, \$3.50; 500, \$6.50; 1000, \$13.00; case
2,500 pips, \$30.00. * * * * *

R. & J. FARQUHAR & CO., 6 and 7 So. Market Street,
BOSTON, MASS.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, PHILADELPHIA, PA.

From the Atlantic to the Pacific Burpee's FORDHOOK FARMS are famous As the largest Trial Grounds in America.

From the Atlantic.

Professor Johnson of *The American Agriculturist*, performed a similar office on behalf of the members of the agricultural and horticultural press present. Mr. Johnson said that the day had been one rare treat. In speaking of the immensity of the Trial Grounds at Fordhook, Professor Johnson stated that those present would take home a lesson which would be remembered for many years. There was not an experiment station in the United States, supported by State or national legislation, that had anything like the variety of tests that were conducted on the Fordhook Farms. He said this in all fairness to the splendid work of the Experiment Stations. —Extract from an Editorial account of "A FIELD DAY AT FORDHOOK" which appeared in *THE FLORIST'S EXCHANGE*, New York, July 4, 1903.

From the Pacific.

A careful seedsman's experiment grounds, like yours, it seems to me, are far more useful than any of the colleges or public experiment stations, as it all practical work. Your Fordhook Trial Grounds were the best of all my Eastern object lessons, and I had many of them. I had no idea of their extent and value, not only to yourself, but to every one of your customers, and eventually to every one who cultivates the soil—Thus wrote LUTHER BURBANK, "The Wizard of Horticulture," from Santa Rosa, California, October 20, 1900, upon his return from an extended eastern trip.

Special Announcement.

To FLORISTS and DEALERS who desire to supply the BEST SEEDS THAT GROW.

Herewith we show one page advertisement in March *Delineator*; similar page advertisements will appear also in the March numbers of *McClure's*, *Munsey's*, and *Everybody's Magazine*; also in *The Mayflower*, *Success with Flowers*, *The Christian Herald*, etc., while the same offers will appear in *The Ladies Home Journal*, *Country Life in America*, *Saturday Evening Post*, *Country Gentleman*, etc.

This Advertising, together with the wide circulation of **BURPEE'S FARM ANNUAL FOR 1904**, generally recognized as "The Leading American Seed Catalogue," will create a great demand for these Special Collections **WHOLESALE**. We will supply any or all of these popular 25c collections at \$2.00 per dozen, postpaid, or \$1.80 per dozen, by express—just 15c each.

BURPEE'S "BLUE LIST."

A new book of 144 pages. Will be mailed free on application to any Market Gardener or Florist who buys seeds to "plant for profit," but cannot be mailed to private planters, even if asked for. **BURPEE'S RED LIST**. Our strictly "Wholesale" Catalogue is mailed to Dealers only. It can not be sent even to Florists, unless they buy to sell again. Which of the above two catalogues are you entitled to receive? Kindly advise us at once and it will be sent by first mail. Our Retail Catalogue as advertised herewith is free to all who ask for it.

Eight Elegant New Sweet Peas.

For 25 Cts. we will mail, postpaid, one regular retail packet each of the following "Eight Best" new Sweet Peas: **BURPEE'S DAINTY**, the large

flowers are beautifully formed and uniquely marked, "white with a pink edge,"—**LORD ROSEBERRY**, richly colored, deep rose-carmine flowers, gracefully hooded, see illustration.—**JANET SCOTT**, "the best pink sweet pea," flowers of large size, three on a stem.—**LADY GRISEL HAMILTON**, largest and best light lavender.—**THE HON. MRS. E. KENYON**, beautiful primrose-colored flowers of truly enormous size.—**COCCINEA**, a new color in Sweet Peas, a bright cherry-red.—**JEANIE GORDON**, charming, bright rose, shaded primrose, and a large packet of the unequalled new **BURPEE'S BEST MIXED FOR 1904**. The Seven Superb Separate Sorts are shown painted from nature, while the SPECIAL MIXTURE is described on page 108 of our new Catalogue for 1904.

25 Cts. buys all the above Eight Elegant New Tall Sweet Peas. Peas, and in each collection we enclose our NEW LEAFLET ON CULTURE FOR 1904.

Seven Nasturtiums. For 25 Cts.

we mail one full-size packet each of all seven distinct types: The beautiful Dwarf Liliput in best mixture,—the unequalled mixture, Burpee's "Gorgeous" New Tom Thumb,—the interesting small-leaved Tom Pouce,—the brightly colored Lobbs' Finest Mixed,—the superbly brilliant new and unequalled mixture of Burpee's Hotspur Harlequin,—the gracefully artistic Ivy-Leaved, and the finest Burpee's New Superb Giant-flowered Nasturtiums. In the large bag enclosing each collection is included our NEW LEAFLET on culture.

Burpee's GEM Collection.

For 25 Cts. we mail one packet each of all the following: Little Gem SWEET ALYSSUM, carpets the ground with a mass of white.—Fordhook Favorites among ASTERS, embracing many of the choicest types.—Burpee's Defiance BALSAMS, in unequalled mixture, including the new *Exquisite*.—Dwarf Marguerite CARNATIONS, in finest colors.—Burpee's New Giant-flowered NASTURTIUMS, in unequalled mixture.—Royal Prize PANSIES, both free-flowering and giant varieties.—Largest-flowering PHLOX DRUMMONDII, as grown by ourselves.—Fordhook Fairy POPPIES, most graceful double flowers, in many colors,—a large packet of Burpee's New Grand Tall SWEET PEAS, as specially prepared for 1904, and a small packet of the most beautiful New PLUMED CELOSIAS. This novelty is likely to give such rare delight to all flower lovers as to be alone worth the quarter paid for all ten packets!

Vegetables! "FIVE FINEST" FORDHOOK FAMOUS NEW VEGETABLES.

For 25 Cts. we will mail, postpaid, one full-size packet (such as we sell separately at ten cents per packet) each of the following: FORDHOOK FAMOUS CUCUMBER, the largest, most handsome, and finest flavored of all cucumbers.—BURPEE'S BRITTLE-ICE LETTUCE, the popular New "Nameless" Lettuce distributed for advance trials last season.—BURPEE'S NEW HALBERT HONEY WATER-MELON, sweetest and best for home use.—BURPEE'S NEW GOLDEN GLOBE ONION, earliest and handsomest of globe-shaped onions, and CHALK'S EARLY JEWEL TOMATO, largest of all extreme-earlies.

Above Five are all shown, painted from nature, on the cover or plates in our Catalogue. Perhaps there are named above one or two vegetables that you do not care for. Therefore you may omit any of the above, and instead select a packet of either the New DANISH ROUNDHEAD CABBAGE,—the unequalled CHINESE GIANT PEPPER,—the earliest HAILSTONE RADISH,—the delicious FORDHOOK BUSH SQUASH, or the New QUARTER-CENTURY STRAIN OF BURPEE'S BUSH LIMA BEAN.

For One Dollar we will mail all the seeds advertised—ten New Vegetables and twenty-five packets Choicest New Sweet Peas, Nasturtiums and other Flowers—in all thirty-five full-size packets for ONE DOLLAR!

Every one of these varieties is entitled to be marked with a bull's-eye [O],—as absolutely the best of its type.

Or For One Dollar

you can have ANY FIVE COLLECTIONS, and mailed to separate addresses if so requested. Be sure to ask for BURPEE'S FARM ANNUAL FOR 1904 when ordering. Write TO-DAY!

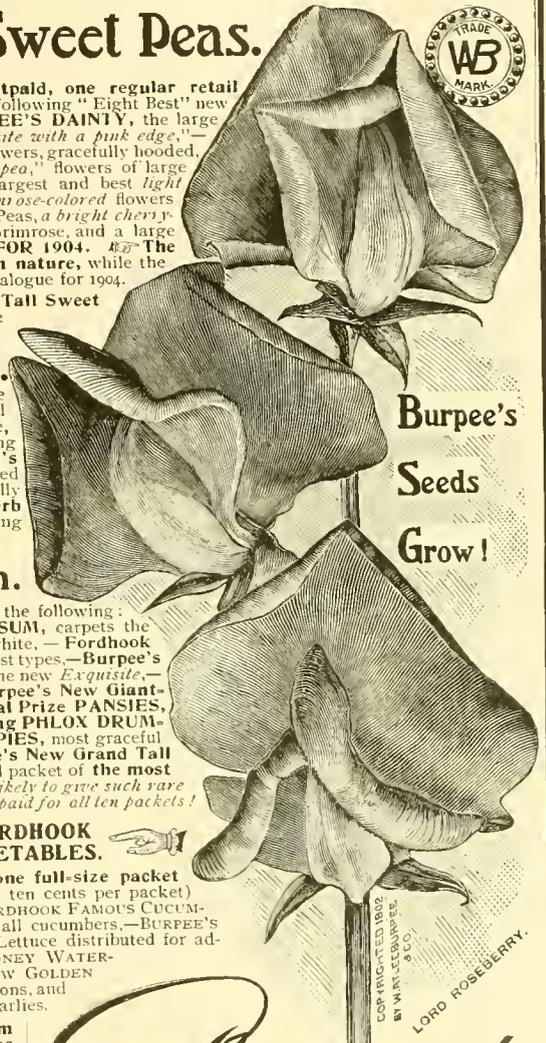


W. ATLEE BURPEE & CO., Burpee Building, Philadelphia, Pa.

Nos. 475 and 477 North Fifth Street } Headquarters in PHILADELPHIA of
Nos. 476 and 478 York Avenue

THE WORLD'S LARGEST MAIL-ORDER SEED BUSINESS

You need not take our word for the truth of this statement (although we never knowingly exaggerate), but can read below the entirely unsolicited opinions of two leading experts. There is not money enough, even in all the territory "from the Atlantic to the Pacific," to purchase such testimony from either of these well-known Horticulturists! They know whereof they speak and do not hesitate to tell freely the plain truth—as learned from their own inspection.



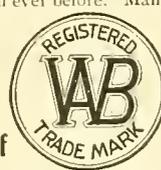
Burpee's
Seeds
Grow!

Burpee's

Farm Annual for 1904.

LEADING AMERICAN SEED CATALOGUE.

Mailed FREE to all who want the Best Seeds! An elegant new book of 178 pages, with hundreds of illustrations and six superb colored plates, it is now brighter and better than ever before. Many new features for 1904,—including valuable RARE NOVELTIES not to be had elsewhere. You can send your address on a postal card. Write TO-DAY!



THE NURSERY TRADE.

AM. ASSOCIATION OF NURSEYRMEN.
 N. W. HALE, Knoxville, Tenn., Pres.; FRANK A. WEBER, St. Louis, Mo., Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.
 Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

DAYTON, O.—The Montgomery County Horticultural Society held its monthly meeting February 3 at the residence of John Siebenthaler.

MOBILE, ALA.—The Alabama State Horticultural Society convened here January 26 for a two days' session. Members from various parts of Alabama, Georgia and Florida were present.

NASHVILLE, TENN.—The Pebble Hill Fruit Farm and Nurseries of Franklin county, has been incorporated by T. W. Boozelton, J. E. Carmack, J. C. Carmack, T. A. Embrey and Jo. C. Garner and capitalized at \$10,000.

SALT LAKE CITY, UTAH.—The state board of horticulture will make many improvements in the southern Utah fruit farm at St. George. Among those contemplated is the putting in of complete apparatus for recording and measuring the irrigating water used on the various plats of the fruit farm.

LOUISVILLE, KY.—The Kentucky State Horticultural Society at the meeting January 28, which closed the convention for 1904, requested the legislature to expand the scope and duties of the State Entomologist to include a more frequent and more minute examination of the fruit stock in Kentucky for the discovery of insects and other damaging marauders of that variety.

St. Paul.

Trade has felt the effect of the cold weather the last couple of weeks, but with plenty of funeral work it has been nearly as good as could be expected. A surplus of bulbous stock is seen everywhere, but prices are being kept up well. All the stores are making extra efforts to keep up attractive window displays, and are all satisfied that it pays, too. The only scarcity in flowers is Beauty stock. A few are seen, but they are of poor quality.

Some of the growers are worrying about getting their lilies in for Easter, and some of them will have a hard pull to get them.

Messrs. C. W. Scott, Aug. Rhotert and L. P. Lord were visitors during the week. O. O.

Pueblo, Col.

The steel works' closing down has made business very dull here. J. O. Zimmerman has closed his Main street store, which he opened before Christmas. G. Fleischer has a fine stock of roses, carnations and violets.

Charles H. Vick, of Wm. Hagemann & Company, New York, was with us a day this week. S. R. L.

URBANA, O.—C. A. Reeser & Company, florists, filed a deed of assignment January 26 naming I. O. Tritt assignee. The liabilities will reach \$15,000. The assets will not reach over \$10,000. The failure of the Reeser company was precipitated by the failure of the Floral Publishing Company and the New Era Company, in Springfield, last week. The Reeser people were on their paper.

NOW IS THE TIME TO ORDER

Exochorda Grfl., 18 to 24-inch, bushy.....	Per 100	8.00	Oranges, 15 to 18-inch, 5-inch pots.....	Per 100	30.00
Lonicera, ½ Belgica and Heckrotti, 3 to 4 feet, bushy.....		8.00	Lemons, grafted, 18 to 24-inch, 5-inch pots.....		30.00
Ampelopsis Japonica, 2½-inch pots.....		4.00	Kentia Belmoreana, 12 to 15-inch, 5 leaves.....		18.00
Cadrus Deodara, 15 to 18-inch.....		25.00	Latania, 15-inch, 3 to 4 ch. leaves.....		20.00
Cedrus Deodara, 20 to 24-inch.....		30.00	Phoenix Canariensis, 15 to 18-inch, 2 to 3 leaves, showing character.....		15.00
Oranges, best sorta, grafted, bearing size 12-inch, bushy, 4-inch pots.....		20.00	Not less than 50 of a kind at above prices.		
Ligustrum Amurense, true, 2 to 3-feet branched.....		per 1000, \$20.00			

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P. J. BERCKMANS CO., (Inc.)
 FRUITLAND NURSERIES.
 Established 1856. AUGUSTA, GA.

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Ficus, Ferns, Roses, etc. Correspondence solicited. Catalogue free. 60th year. 1000 acres.

THE STORRS & HARRISON CO.,
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FOR VINCA MINOR

FINE LARGE CLUMPS. FOR SALE CHEAP.

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 IMPORTERS OF
 Palms, Bay Trees, Auracarias, etc. Decorative Plants for spring delivery; Lily of the Valley, Lilacs, Forcing Bulbs, etc. for fall delivery; Raffia for Nurserymen and Florists. Address
31 Barclay St. or P. O. Box 752, NEW YORK.
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 QUALITY. QUANTITY.
 Ask our prices for
 AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.
 Price List Free on Application.

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 HARDY AZALEAS, BOX TREES, CLEMATIS, CONIFERS, HYDRANGEAS, PEONIES.
 Pot-Grown Plants for Forcing.
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 BOSKOOP, HOLLAND.
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 For } Trees, Shrubs, Vines
 Your } and Small Fruits.
 Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.
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etc., have been the standard of excellence for half a century. The best always cheapest. Have hundreds of carloads of

Fruits and Ornamentals.

40 acres of Hardy Roses including 45,000 of the famous Crimson Rambler. 44 greenhouses of Palms, Catalogue free. 60th year. 1000 acres.
Box 260, Painesville, Ohio.

California Privet...

Per 1000
 12,000, 1 year, 18 to 24-inch, very bushy..... \$11.00
 15,000, 1 year, 12 to 18-inch, well branched.. 8.50

CANNAS, Strong Eyes.

	Per 100	Per 1000
5,000 Egandale.....	\$1.00	\$8.00
5,000 Charles Henderson.....	1.00	8.00
5,000 Chicago.....	1.00	8.00
2,000 Florence Vaughan.....	1.00	8.00
2,000 Mme. Crozy.....	1.00	8.00
15,000 Austria.....	.75	5.00

We also have 6 000 Biota Rosedale in all sizes. This is the best florists' Evergreen in the list. Our stock will please you.

FURROW BROS., Guthrie, Okla.

YOU BET IT IS
 The quality that does the talking.
JOHN SCHEEPERS, member of R. Schoo & Co., Bulb Growers at Hillegom (Holland) and of Multiflora Nurseries, Boskoop, (Holland) will furnish you same and for reasonable prices at that. Write to day.
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 The largest and finest collection of Dahllas in the United States, consisting of all the leading varieties. Send for price list. . . .

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CANNAS

We devote a large acreage of ground to the cultivation of Cannas, and our list of varieties is complete, including all the novelties and standard kinds. Prices as low as any for first class stock. Write for price list.

WAGNER PARK CONSERVATORIES,
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DREER'S Summer Flowering Bulbs.



TUBEROUS ROOTED BEGONIAS.

Single Flowered, Scarlet, Crimson, White, Yellow, Rose and Orange, 40 cents per dozen; \$3.00 per 100; \$25.00 per 1000.
Choicest Single Flowered in Mixture, 35 cents per dozen; \$2.50 per 100; \$22.00 per 1000.
Double Flowering, Scarlet, Rose, White and Yellow, 65 cents per dozen; \$5.00 per 100; \$40.00 per 1000.
Choicest Double Flowering in Mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

Two Great Tuberous Rooted Bedding Begonias

DUKE ZEPPELIN and LAFAYETTE

See colored illustration of these two varieties on cover of our new 1904 Catalogue; they are the most brilliant among all the Begonias and invaluable either as pot plants or for bedding.

Duke Zeppelin, Pure Rich Scarlet, 15 cents each; \$1.50 per dozen; \$12.00 per 100.
Lafayette, Brilliant Crimson Scarlet, 25 cents each; \$2.50 per dozen; \$18.00 per 100.

NEW HYBRID FRILLED TUBEROUS BEGONIAS

A unique form with flowers of immense size, with wavy or frilled petals similar to the best forms of single petunias, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

GLOXINIA GRASSIFOLIA GRANDIFLORA

A very fine selected strain, strong, well-matured bulbs. Red, White, Blue, Red with white border, Blue with white border, in separate colors or in choicest mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

MISCELLANEOUS BULBS

	Per Doz.	Per 100	Per 1000
Amaryllis Formosissima.....	\$.30	\$ 2.00	\$15.00
Johnsonii.....	2.00	15.00	
Amorphophallus Rievierii.....	2.00	15.00	
Caladium, Fancy Leaved, 25 named sorts.....	1.25	10.00	
Choicest Mixture.....	1.00	8.00	
Esculentum, 6 to 8-inch bulbs.....	.40	3.00	
Esculentum, 8 to 10-inch bulbs.....	.65	5.00	
Esculentum, 10 to 12-inch bulbs.....	.90	7.00	
Esculentum, 12 to 13-inch bulbs.....	1.25	10.00	
Hyacinthus Caodicans.....	.30	2.00	
Isimne Calathina.....	1.50	10.00	
Lilium Auratum, 8 to 9-inch.....	.75	5.00	
" 9 to 11-inch.....	1.00	8.00	
" 11 to 13-inch.....	1.75	14.00	
Lilium Speciosum Album and Rubrum, 7 to 9-inch ..	.90	7.00	
Gladiolus, American Hybrids, choicest mixture.....	.15	1.00	9.00
Groff's Hybrids, choicest mixture.....	.35	2.50	22.00
Madeira Vines.....	.30	2.00	15.00
Montbretias, 5 choice named varieties.....	.25	1.75	12.50
Tigridia Conchiflora, Grandiflora Alba and Pavonia.....	.30	2.00	15.00
Tuberoses, Double Pearl, selected, 6 to 8-inch.....	.20	1.00	8.00
Double Pearl, fine, 3 to 4-inch.....	.10	.60	5.00

For a complete list of all seasonable Bulbs including the best list of up-to-date Dahlias, see current Wholesale Price List.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.



NEW LARGE-FLOWERING CALLA CALLA DEVONIENSIS.

Blooming Callas From Seed in One Year
100 seeds, 75c; 1000 seeds, \$6.00.

STOCKS—Beauty of Nice

A very conspicuous and handsome new Stock of quick growth, with flowers of very large size. The color is of a very pleasing daybreak pink. It is grown in large quantities in the south of France for shipment north. Under good culture the plants will grow 24 to 30 inches high. The seedlings will bloom in 10 weeks, and if the seed is sown by the end of May the plants will bloom in September when cut-flowers begin to get scarce, and continue to bloom during winter.

Beauty of Nice, pink, pkt. (250 seeds), 25c.
Beauty of Nice, Stock Pure White, trade pkt., 25c.

Vaughan's Seed Store,

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

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Cannas,

Strong Root Pieces, averaging 2 to 3 eyes.

ALPHONSE BOUVIER.

ALSACE.
AUSTRIA.
BLACK BEAUTY, \$7.00 per 100.
BASSETT'S RED, \$3.00 per 100.
CHARLES HENDERSON.
CRIMSON BEDDER.
DUKE OF MARLBOROUGH.
EGANDACE, \$3.00 per 100.
FLORENCE VAUGHAN.

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MRS. KATE GRAY, \$5.00 per 100.
PRES. CARNOT.
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PROGRESSION.
QUEEN CHARLOTTE.
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SAM TRELEASE, \$4.00 per 100.
SOUV. DE ANTOINE CROZY.

UNLESS NOTED \$2.00 per 100; \$18.00 per 1000. WRITE FOR PRICES ON LARGE LOTS.

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Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

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We Have Got Them

50,000 young Roses in 2x2½-inch pots, ready to go out right along. We pack so cold does not hurt them. The earlier start you get the further along you will be in the spring.

WRITE. GEO. A. KUHL, Pekin, Ill.

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HUNDREDS OF NEW NAMES AND ADDRESSES.

And contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Gardeners, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies and Horticultural Supply Concerns of the United States and Canada.

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AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST.

OUR PASTIMES.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York. Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., Chicago, Ill.

At St. Louis.

The bowling club had a lively time at the meeting February 1. Team 2 won by a good margin. Kuehn was high man with a total of 575. The score follows:

TEAM 1.				
Player	1st	2d	3d	T'l
Beneke.....	191	176	157	524
Miller.....	171	136	161	468
Weber.....	121	134	116	371
Young.....	129	117	149	395
				1758

TEAM 2.				
Player	1st	2nd	3d	4th
Kuehn.....	143	145	187	575
Beyer.....	165	144	170	479
Beneke.....	187	138	159	475
Weber.....	137	137	127	401
				1930

F. K. B.

At New York.

The New York Florists' Bowling Club had a light attendance last Monday night, several of the bright lights being kept away by illness or other unavoidable causes. The scores of the first four games were as follows:

Player.	1st	2d	3d	4th
Siebrecht.....	159	119	135	157
Ford.....	146	161	146	142
Lang.....	157	151	166	163
Nugent.....			86	80
Shaw.....	102	114	133	129
Stewart.....	75	126	149	114
Gibbs.....	96	179	183	118
Siebrecht, Jr.....			87	99

The bowling alleys in the basement of the Coogan building are the scene of many an exciting contest between growers of the Cut Flower Exchange. On Tuesday last John Donaldson, George Golsner, E. W. Holt and Jasper McMullen rolled sixteen games, Golsner and Holt winning twelve games and Donaldson and McMullen four.

At Chicago.

Another spirited session was held at the Geroux alleys, Tuesday evening, with the following results. E. F. Winterson took a streak, and in the second game chalked up 224. A number of ladies participated.

Player	1st	2d	3d	4th
Stevens.....	172	175	170	191
P. J. Hauswirth.....	124	130	173	121
Geo. Scott.....	158	127	147	159
John Degnan.....	148	123	147	
L. Kill.....	112	117	126	
G. Asmus.....	148	165	174	137
Decker.....	181	164	150	153
E. F. Winterson.....	147	224	99	135
McReil.....	169	173	180	202
Newett.....	113	149	132	161
V. Kreitling.....	162	135	143	

LADIES.

Player	1st	2d	3d
Mrs. Winterson.....	88	133	97
Mrs. Kreitling.....	119	144	130
Mrs. Hauswirth.....	84	95	115
Mrs. Kill.....	97	111	124
Miss Eastman.....	61	37	65
Miss Katzenberger.....	85	78	90
Miss Smith.....	44		
Miss Ell.....	63	51	

At Baltimore.

A team of bowlers of the Gardeners' Club composed of Chas. L. Seibold, Robert Halliday, Jas. H. Boone, Mack Richmond and Mr. Kreh brought back from Washington January 27 a handsome

silver cup, won by them in the first of a series of inter-city contests against a team of the Washington Florists' Club. The Baltimore score was 887, 817, and 890; the Washington, 715, 739 and 819. The Philadelphia club failed to send its representatives, who were expected. The cup is the gift of Fred H. Kramer, of Washington, D. C. S. B.

Pittsburg.

The "smoking raucher" given by the Pittsburg and Allegheny Florists' and Gardeners' Club, February 2 was an unbounded success. It was not known the club contained so many talented entertainers. Every one that did a "stunt" received the hearty applause of the 200 present. The raucher was held in the rathskeller of the club's quarters. This was suitably decorated with laurel, holly, palms, and immortelle designs, including a large pipe of immortelles, all sent to the club and arranged by Gus and W. J. Ludwig. Refreshments were served during the evening. Preceding the entertainment fifteen tables were arranged for card playing. E. Reinaman was master of ceremonies. The entertainment began with an excellent trio of Swiss singers who were recalled time and again. Phil Langhans, dressed in the costume of a German count, sang a topical song to the tune of "Mr. Dooley." This choice bit was done with great dignity. The song included the names of many of the club members. Mr. Langhans was accompanied by four desperate looking musicians, who added much to the hilarity of the occasion and played music that will never be forgotten. These artists were Ed. McCollum, George Marshall, Carl Klinke and William Potter. John Bader, in a short talk, gave away the secrets of "pool playing." When he finished Mr. Langhans in the name of the club presented him with a genuine diamond ring of about eight karats as a token of appreciation for his great services to the club. A "colored" quartette then rendered coon songs. P. S. Randolph spoke on shooting as an amusement in the potting shed, and was will-

ing to shoot an apple off the head of any one who came forward. There were no takers. A skit by Julius Ludwig and Wm. Lauch made a hit. A boyhood reminiscence was related by E. Zieger. Patrick Maier gave "A Speech Without a Title."

The bouquet presented to Mr. Langhans after his act at the club affair was composed of red carnations and lighted Chinese incense sticks. When the actor became hoarse he loosened a cork in the butt of the bouquet and poured out a glass of "ambrosia."

Business continues irregular with no prospects of improvement until the weather moderates. All stock seems to be plentiful and fine. Spring flowers are coming in in good shape.

A parting of the water main from which I. S. Crall, of Monongahela City, gets his supply of water, caused the loss of a house of Meteor and the greater part of a house of carnations. E. L. M.

Louisville, Ky.

Members of the Society of Kentucky Florists at their recent meeting voted to have March 1 carnation exhibition day, and will invite carnation growers to show their flowers. J. Coenen was the originator of the plan and motion. Express charges will be paid by the society on flowers sent for the exhibition.

Cut flowers have been scarce in Louisville all winter, the demand exceeding the supply.

Anders Rassmussen, who was ill with typhoid fever, is able to be out again. H. G. W.

Cleveland, O.

M. Wokral & Company have a new wagon, one of those long affairs painted black with gold lettering.

McKinley day was celebrated here last Friday by almost everyone wearing Lawson carnations.

Will Ponting, of Olmsted Falls, O., has about 7,000 geraniums, all staple varieties. O. G.

—NEW CROP OF THE TRUE VARIETY JUST GATHERED—

Asparagus Plumosus Nanus



\$1.00 per 100 seeds; \$7.50 per 1000 seeds.

(Special price on large quantities.)

New Crop Flower Seeds.

Are now ready. The following should be sown early:

- Ageratum
- Asparagus
- Asters
- Begonias
- Browallia
- Cannas
- Carnations
- Celosias
- Cobaea
- Cyclamen
- Dracenas
- Grevillea
- Heliotrope
- Ipomoea
- Laotana
- Lobelias
- Maurandia
- Pansies
- Petunias
- Phlox
- Primula
- Pyrethrum
- Salvias
- Solanum
- Stocks
- Thunbergia
- Torenia
- Verbenas
- Vincas
- Etc., Etc.

All are described and offered in our current Wholesale Price List. Sent free to all florists.

HENRY A. DREER, Philadelphia.

Please mention the American Florist when writing.

=====**New Rose**=====

GENERAL MacARTHUR

Hybrid Tea.

Color by far the most brilliant of any shade of crimson forcing rose ever offered, retaining its brilliancy when fully expanded. It is also one of the very sweetest varieties ever offered, of very easy culture, as it can be grown in the same temperature as an ordinary Tea variety such as Bride. It is a good, strong, vigorous grower, producing stems 24 to 30 inches long, a free and continuous producer. It can be grown at much less cost than Meteor or Liberty and is a much brighter color than either. Also larger when fully expanded. We predict that this will be the red rose for the multitude. Ready for distribution April 1, 1904.



=====**PRICES:**=====

From 2 1-2-inch Pots. Own Roots.		Grafted Plants From 2 1-2-inch Pots.	
\$ 6.00.....	Per Dozen	\$ 7.00	Per Dozen
10.00.....	per 25	12.00.....	per 25
15.00.....	per 50	18.00.....	per 50
25.00.....	per 100	32.00.....	per 100
57.50.....	per 250	72.50.....	per 250
110.00.....	per 500	140.00.....	per 500
200.00.....	per 1000	260.00.....	per 1000

Extra strong 3-inch stock at \$4.00 per 100 additional to above figures.

The STORRS & HARRISON CO.
PAINESVILLE, OHIO.

JOHN. N. MAY,
SUMMITT, N. J.

SPECIAL OFFER
Carnation Cuttings.

READY FOR SHIPMENT.

Having a surplus of these varieties will make special price for 15 days. Our stock is perfection and free from disease.

Pink	Per 100	1000	White.	Per 100	1000
Lawson.....	\$1.50	\$12.50	Glacier.....	\$1.50	\$14.00
Joost.....	1.25	10.00	White Cloud..	1.25	10.00
Marquis.....	1.25	10.00	Flora Hill....	1.25	10.00
Dorothy.....	1.50		Scarlet.		
White.			Crane.....	1.50	14.00
Innocence.....	1.50		Variegated.		
			Prosperity...	1.50	12.00

Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. **CASH.**

The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.

CARNATIONS Rooted Cuttings.

Clean, Healthy, Well Rooted Stock.

Flora Hill..	\$1.50	\$12.50	Crane.....	\$2.00	\$15.00
Prosperity..	2.50	20.00	America.....	2.00	15.00
Lawson.....	2.50	20.00	G. Beauty..	5.00	40.00
Marquis....	1.75	15.00	Gaiety.....	3.00	25.00
Melba.....	1.50	12.50	Gov. Roose-		
Dorothy....	3.00	25.00	velt.....	3.00	25.00
McKinley..	5.00	45.00	Harlowarden	5.00	40.00
E. Crocker.	1.50	12.50	Joost.....	1.75	15.00
G. Lord....	1.75	15.00	Chicago...	2.00	15.00
Mrs. Nelson	3.50	30.00			

We also have a few of 1903 varieties not listed. Write for information.

The MIAMI FLORAL CO.,
Dayton, Ohio.

Please mention the American Florist when writing.

CARNATION CUTTINGS.

Enchantress.....	Per 100	1000
Queen.....	\$6.00	\$50.00
Lillian Pond.....	5.00	40.00
Prosperity.....	5.00	45.00
Lawson.....	2.50	20.00
Cressbrook.....	2.50	20.00
Challenger.....	2.50	20.00
Fair Maid.....	3.00	25.00
Harry Fenn.....	5.00	40.00
Gen. Maceo.....	2.50	20.00
Queen Louise.....	2.00	15.00
Bradi.....	3.00	25.00

C. WARBURTON, Fall River, Mass.

Need a Good Scarlet?

Take my word for it and order **Flamingo**. There is nothing better, nor more profitable in sight. I can also supply the following varieties: Albatross, Lady Bountiful, The Bell, Moonlight, Nelson Fisher, Mrs. Patten and Indianapolis, \$12.00 per 100; \$100.00 per 1000.

The Queen An excellent commercial white of last year's introduction, \$5.00 per 100; \$40.00 per 1000.

S. S. SKIDELSKY,

708 North 16th St., PHILADELPHIA, PA.

—ROOTED—
CARNATION CUTTINGS.

G. H. Crane.....	Per 100	1000
Mrs. Lawson.....	\$2.50	\$20.00
Mrs. Joost.....	2.00	17.50
Ethel Crocker.....	1.50	12.50
Wm. Scott.....	1.50	12.50
Flora Hill.....	1.50	12.50
Queen Louise.....	1.50	12.50
Norway.....	1.50	12.50

Cash or C. O. D.

ST. LOUIS CARNATION CO., Clayton, Mo.

CARNATIONS.

Fine, strong, well-rooted cuttings now ready.

ENCHANTRESS, \$6.00 per 100; \$50.00 per 1000.
LILLIAN POND, \$5.00 per 100; \$40.00 per 1000.
PROSPERITY, \$3.00 per 100; \$25.00 per 1000.
LAWSON, \$3.00 per 100; \$25.00 per 1000.
THE QUEEN, Jan. delivery, \$5 per 100; \$40 per 1000.

LARCHMONT NURSERIES, Larchmont, N. Y.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

Flamingo.....	Per 100	Per 1000	Mrs. M. A. Patten.....	Per 100	Per 1000
Lady Bountiful.....	\$12.00	\$100.00	White Lawson.....	\$12.00	\$100.00
The Belle.....	12.00	100.00	Albatross.....	10.00	80.00
Indianapolis.....	12.00	100.00	Crusader.....	10.00	80.00
Nelson Fisher.....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

Enchantress.....	Per 100	Per 1000	Harlowarden.....	Per 100	Per 1000
Este le.....	\$6.00	\$50.00	Lillian Pond.....	\$6.00	\$50.00
Fragrance.....	4.00	30.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Golden Beauty.....	8.00	60.00	Prea. McKinley.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	The Queen.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00	White Bradt.....	5.00	40.00

STANDARD SORTS.

America.....	Per 100	Per 1000	Morning Glory.....	Per 100	Per 1000
Cressbrook.....	\$1.75	\$15.00	Mrs. F. Joost.....	\$2.50	\$20.00
Enquirer.....	4.00	30.00	Mrs. H. N. Higinbotham.....	1.75	15.00
Ethel Crocker.....	2.60	20.00	Mrs. N. H. Nelson.....	4.00	35.00
Flora Hill.....	1.75	15.00	Mrs. Potter Palmer.....	4.00	35.00
Genevieve Lord.....	1.75	15.00	Mrs. Thos. W. Lawson.....	3.00	25.00
G. H. Crane.....	1.75	15.00	Norway.....	2.50	20.00
Gov. Roosevelt.....	2.50	20.00	Nrwy.....	1.75	15.00
Lorna.....	3.60	30.00	Prosperity.....	2.50	20.00
Marquis.....	3.00	25.00	Queen Louise.....	1.75	15.00
	1.75	15.00	White Cloud.....	1.75	15.00

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

Please mention the American Florist when writing.

STRONGLY ROOTED

CARNATIONS NOW READY.

GROWN OUT OF DOORS AND ROOTED WITHOUT HEAT.

WHITE.

Queen Louise.....	Per 100	1000
Flora Hill.....	\$1.20	\$10.00
Alba.....	1.20	10.00
Gov. Wolcott.....	3.40	30.00
Norway.....	1.20	10.00
Lillian Pond.....	5.00	45.00
Chicot.....	1.20	11.00
Viola Allen.....	3.00	25.00

PINK.

Mrs. T. W. Lawson.....	1.40	12.50
Mrs. Joost.....	1.00	10.00
Mermaid.....	1.20	10.00
Mrs. Roosevelt.....	6.00	55.00
Success.....	4.00	35.00
President McKinley.....	5.00	45.00
Cressbrook.....	2.50	20.00

SCARLET.

J. H. Manley.....	Per 100	1000
G. H. Crane.....	\$3.50	\$30.00
America.....	1.20	10.00
Mrs. Palmer.....	1.20	10.00
Apollo.....	3.50	30.00
Adonis.....	7.00	65.00

CRIMSON.

Harlowarden.....	5.00	45.00
Gov. Roosevelt.....	1.50	11.00

YELLOW.

Eldorado.....	1.00	9.00
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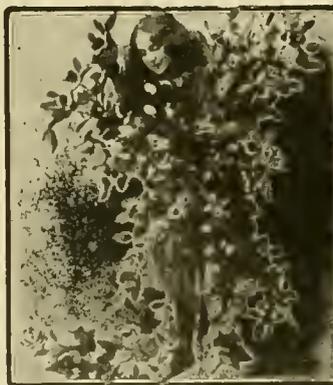
VARIEGATED.

Marshall Field.....	5.00	45.00
Stella.....	3.00	25.00
Armazindy.....	1.00	9.00
Prosperity.....	1.40	12.00

25 of any one kind at 100 prices. 250 at 100 prices.

We prepay express charges and will ship C. O. D. with the privilege of examination, we assuming all the responsibility of Cuttings arriving in good condition and proving satisfactory.

Loomis Floral Co., LOOMIS, CAL.



Our 1st and 2nd Grade

Tea Roses,

Many of our Customers tell us are better than others have sent them as higher grade. Then, you know, they are "fresh," sent to you same day they are cut. Prices on these grades are 3c and 5c.

Heller Brothers,

SOUTH PARK FLORAL CO.,
New Castle, Ind.

Please mention the American Florist to advertisers.



New Carnation The Bride For 1904.

We have grown this variety for the past four years and can with confidence assert that it is the most prolific white variety we have ever grown.

The flowers average 3 to 3½ inches in diameter, of ideal form and the purest white, borne on good stout stems which average 14 to 16 inches long, after the plants get well established; a free and continuous producer, and a healthy, clean grower, not subject to disease in any form.

Awarded Certificate of Merit by the New York Florists' Club, February 11, 1901; First prize for the best 100 white at the American Carnation Convention Show in Brooklyn, N. Y., February, 1903; Certificate of Merit by the Pennsylvania Horticultural Society at their March Exhibition, 1903.

Strong, well-rooted stock ready February 1, 1904.
Prices \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000.

JOHN N. MAY, SUMMIT, N. J.

Please mention the American Florist when writing.

Carnation Cuttings.

Well Rooted. Ready Now.

	Per 100	1000
Enchantress, light pink.....	\$6.00	\$50.00
Harlowarden, crimson.....	6.00	50.00
Her Majesty, white.....	5.00	45.00
Lillian Pond, white.....	5.00	45.00
Pres. McKinley, dark pink.....	5.00	45.00
Sybil, dark pink.....	5.00	40.00
Dorothy Whitney, yellow.....	6.00	50.00
Gov. Wolcott, white.....	5.00	40.00
Alba, white.....	5.00	40.00
Estelle, scarlet.....	3.00	25.00
Mrs. T. W. Lawson, dark pink.....	2.50	20.00
Mrs. Higinbotham, light pink.....	4.00	30.00
Prosperity.....	2.50	20.00

NEW VARIETIES, For January Delivery.

Crusader, best scarlet.....	\$10.00	80.00
Flamingo, fancy scarlet.....	12.00	100.00
White Lawson, pure white.....	12.00	100.00
Reliance, white.....	10.00	80.00
Moonlight, white.....	10.00	75.00
Lady Bountiful, white.....	12.00	100.00

Send for price list of above and other varieties.

Chicago Carnation Co.

JOLIET, ILL.

Please mention the American Florist when writing.

NEW LIGHT PINK CARNATION

"NEW DAYBREAK"

To the commercial grower who is looking for profit, this variety is all that its name implies, and will at once command itself as the old Daybreak reincarnated without its faults. Color, true Daybreak shade; of Daybreak and Scott extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms, large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper.

Price, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

—OTHER NEW AND STANDARD VARIETIES.—

Chrysanthemums. The best American and foreign varieties and best standard sorts. Write for Price List.

H. WEBER & SONS, OAKLAND, MD.

Please mention the American Florist when writing.

NEW CARNATION Louise Naumann

Dark pink. Produces far more than Lawson and is a better color. With this variety you can pick every day the year around. Always heavy with buds and flowers. Most excellent keeper. Size, 3-3½ inches. Fringed and never bursts or fades. Averages 25 flowers per plant a season, more than any variety I have ever grown. **Come and see them grow. Order now for February and March Delivery, \$1.25 per Doz.; \$8.00 per 100; \$70.00 per 1000.** Also Rooted Cuttings of ENCHANTRESS, \$6.00 per 100.

G. M. NAUMANN, 1537 Doan Street, Cleveland, Ohio.

Please mention the American Florist when writing.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2.82 Park Ave. David S. Beach, Prop.

Please mention the American Florist when writing

HEALTHY CARNATIONS

Stock Guaranteed. Come and See Before Buying.

	Per 100	1000
White Cloud, white.....	\$1.50	\$12.50
Queen Louise, white.....	1.50	12.50
Bradt, variegated.....	2.50	20.00
Prosperity, variegated.....	2.25	20.00
Lawson, pink.....	2.25	20.00
Crane, red.....	2.25	20.00
Enchantress.....	6.00	50.00

Sand rooted. Send for prices on large orders.
Cuttings guaranteed. Healthy and clean and sold C. O. D. or Cash with order.

A. LAUB & SON,

Hughsonville, Dutchess Co., N. Y.

Please mention the American Florist when writing.

—ROOTED—

CARNATION CUTTINGS.

FINE HEALTHY STOCK.

	Per 100	1000
Enchantress.....	\$6.00	\$50.00
Gov. Wolcott.....	5.00	40.00
Lawson.....	2.50	20.00
Genevieve Lord.....	1.75	15.00
White Cloud.....	1.75	15.00

The J. M. Gasser Co.,

234 Euclid Ave., CLEVELAND, O.

CARNATION CUTTINGS.

We now have ready good, well-rooted Cuttings, from the following varieties:

	100	1000		100	1000
Enchantress.....	\$6.00	\$50	Eldorado.....	\$2.50	\$20
Fair Maid.....	3.00	25	Manley.....	4.00	30
Fragrance.....	6.00	50	Adonis.....	4.00	30
The Queen.....	5.00	40	Lawson.....	2.50	20
Boston Market.....	4.00	30	Joost.....	2.50	20
Gov. Wolcott.....	5.00	40	Harlowarden.....	6.00	50
Bradt.....	3.00	25	Harry Fenn.....	5.00	40
Prosperity.....	2.50	20			

NEW VARIETIES FOR 1904—

	100	1000
Nelson Fisher.....	\$12.00	\$100.00
Mrs. M. A. Patten.....	12.00	100.00

All selected cuttings from healthy stock. Send in your order now and secure early delivery.

BACKER & CO., Long Dis Tel. BILLERICA, MASS.

CARNATIONS

Rooted Cuttings. Ready Now.

	Per 100	Per 1000
QUEEN LOUISE.....	\$1.50	\$12.50
LILLIAN POND.....	5.00	40.00
ETHEL CROCKER.....	1.50	10.00
MRS E. A. NELSON.....	2.00	15.00
FLORIANA.....	1.50	12.50
ENCHANTRESS.....	6.00	50.00
ADONIS.....	6.00	50.00

Send for estimates on complete order and list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

Manetti Stocks

FOR SALE at \$12.00 to \$15.00 per 1000.

C. & C. L. PENNOCK, Lansdowne, Pa.



Indianapolis

The best bright pink carnation in sight. Come and see it growing. Awarded Certificate of Merit Indiana State Florists' Ass'n, Jan. 12, 1903. Scored 85 points Chicago, Nov. 18, 1903. Certificate of Merit, Cincinnati Florists' Club, Jan. 9, 1904. Certificate of Merit, Indiana State Florists' Ass'n., January 12, 1904. What more could you ask? \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

A FINE LOT OF STANDARD SORTS.

	Per 100	1000		Per 100	1000
McKinley.....	\$3.00		Floriana.....	2.00	18.00
Harlowarden.....	5.00		Q. Louise.....	2.00	18.00
Her Majesty.....	5.00		E. Crocker.....	1.50	12.50
Flora Hill.....	1.50	\$12.50	Lawson.....	2.00	18.00
Crane.....	2.50	20.00	G. Roosevelt.....	2.00	
Estelle.....	3.00	25.00	P. Palmer.....	3.00	
W. Cloud.....	1.50	12.50	E. A. Nelson.....	3.00	
Lorna.....	2.00	18.00	Apollo.....	3.00	
Viola Allen.....	3.00	25.00			

BAUR & SMITH,

330 W. 38th St., Indianapolis, Ind.

Please mention the American Florist when writing.

CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL.....	\$2.50	\$20.00	PERU.....	3.00	25.00
THE SPORT.....	2.50	20.00	WHITE CLOUD.....	2.50	20.00
MRS. LAWSON.....	3.00	25.00	AMERICA.....	2.50	20.00
MRS. HIGINBOTHAM.....	3.00	25.00			

ROSE CUTTINGS.

BRIDE.....	\$12.50	per 1000	IVORY.....	\$12.50	per 1000
BRIDESMAID.....	12.50	"	GOLDEN GATE.....	12.50	"

Lots of 500 at 1000 rate.

SINNER BROTHERS,

Wholesale Cut Flowers,

58-60 Wabash Avenue,

CHICAGO.

ROSES. ROSES.

Beauties, Rooted Cuttings, \$3.00 per 100; \$25.00 per 1000.
2 1/4-inch, \$6.00 per 100; \$50.00 per 1000.

BRIDES, BRIDESMAIDS, METEORS, IVORIES, LIBERTIES,

PERLES, 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000.
Rooted Cuttings, \$1.50 per 100; \$12.50 per 1000.

ALL STRICTLY A1 STOCK. PERFECT SATISFACTION GUARANTEED ON ALL ORDERS.

J. F. WILCOX, Council Bluffs, Iowa.

Carnation Cuttings.

STRONG AND WELL ROOTED. READY NOW.

President McKinley, Fair Maid, Roosevelt, Wolcott, Lawson, Crocker and Dorothy. Other varieties a little later.

E. T. GRAVE, Richmond, Ind.

Transplanted Carnation Rooted Cuttings

10,000 of each variety, to close them out.

	Per 100	1000		Per 100	1000
VIOLINIA , the largest, freest variegated Carnation to date, extra fine.....	\$12.00	\$100.00	MRS. THEO. ROOSEVELT , O. K.....	\$ 3.00	\$25.00
LOS ANGELES , a fine white.....	3.00	25.00	GOLDEN BEAUTY , best yellow.....	1.50	12.00
ALBA , the big white.....	2.50	25.00	GOLD NUGGETT	1.20	10.00
STELLA , a good variegated.....	2.50	20.00	CRANE , still good.....	1.20	10.00
SUCCESS , LaFrance color.....	2.50	20.00	ELDORADO , good yet.....	1.00	8.00
VIOLA ALLEN , a fine variegated.....	2.50	20.00	ARMAZINDY , good yet.....	1.00	8.00
APOLLO , bright scarlet.....	2.50	20.00	THE MARQUIS , light pink.....	1.00	8.00
MARSHALL FIELD , fine variegated.....	2.50	20.00	AMERICA , best summer bloomer.....	1.00	8.00
HARLOWARDEN , come to stay.....	3.00	25.00	PALMER , the big red.....	1.00	8.00
McKINLEY , come to stay.....	3.00	25.00	MERMAID , very free salmon pink.....	1.00	8.00
			GEN. GOMEZ , good color.....	1.00	8.00

25 at 100 rates; 250 at 1000 rates. Cash or C. O. D. with privilege of examining.
Express prepaid by us at above prices.

California Carnation Co. LOOMIS, CAL.

The Two Best Commercial White Carnations



LADY BOUNTIFUL.

The best of all white carnations.
It is clean and healthy.
It has a strong, robust growth, but produces no surplus grass.
It is early flowering and the best producer throughout the entire season.
Its keeping and shipping qualities are far superior to any other white carnation.
If you grow Lady Bountiful you have a white carnation where every flower is a flower with a stiff wiry stem, a perfect calyx and no splits.
It does well in either a medium or heavy soil.
You cannot miss it by placing your order now before all the early stock is sold.
We have up-to-date booked more orders for Lady Bountiful than the whole season's sales of any new carnation we have yet introduced.
It is a winner.

THE BELLE.

Is an excellent companion to Lady Bountiful with equally good points to make it a favorite paying variety with all growers.
Our large stock and easy propagation still enables us to offer February and March delivery.

Price for well rooted cuttings:
\$12.00 per 100; \$ 00.00 per 1000.

We also have all of the best of the 1903 Novelties and the leading standard varieties.

—Send for Price List.—

F. Dorner & Sons Co.
LaFAYETTE, IND.

CARNATIONS...

Rooted Cuttings. Good ones and lots of them.
 Order Now. Per 100 1000
 Mrs. T. W. Lawson..... \$2.00 \$20.00
 Boston Market..... 3.00 30.00
 Flora Hill..... 1.50 15.00

Geraniums. 2 and 2½-inch, fine plants, S. A. Nutt and La Favorite, \$3.00 per 100; \$25.00 per 1000.

Boston Ferns. Out of 3-inch pots, ready for 4-inch, \$8.00 per 100. All above first-class stock.

S. T. DANLEY, MACOMB, ILL.
 Please mention the American Florist when writing.

The New... **AMAZE.**

Scarlet Carnation. A profuse Christmas bloomer, strong grower, heavy stem, flower intense scarlet and remarkable keeping qualities. Rooted Cuttings ready February 1.
PRICE: \$10.00 PER 100; \$75.00 PER 1000 CASH.

ORDER FROM THE GREENHOUSES,
JEROME SUYDAM, Flatbush, Brooklyn, N. Y.
 OR FROM THE AGENTS,
SLINN & HUGHES, Coogan Bldg., New York City.

Rooted Carnation Cuttings

	Per 100
Enchantress.....	\$5.00
Queen.....	4.00
Fair Maid.....	2.50
Lawson.....	2.50

H. F. LITTLEFIELD, WORCESTER, MASS.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

The Cottage Gardens, Queens, L. I.

Carnations

ROOTED CUTTINGS.

Orders booked now for next season's delivery of all the leading varieties. Send us a list of what you want and get prices that are right.

Chas. Chadwick, L. Box 11, Grand Rapids, Mich.

CARNATIONS.

50,000 ROOTED CUTTINGS.

The profitable ones to grow for Cut Flowers. Our stock is exceptionally fine. List of varieties and prices on application.

C. AKEHURST & SON, WHITE MARSH, MD.

ROOTED CARNATION CUTTINGS.

From strong, healthy plants.	100	1000
Enchantress.....	\$6.00	\$50.00
The Queen.....	6.00	50.00
Fair Maid.....	4.00	30.00
Gov. Wolcott.....	4.00	30.00
Boston Market.....	4.00	30.00
Mrs. T. W. Lawson.....	3.00	20.00

HENRY A. STEVENS CO., Dedham, Mass.

Orders Booked Now For Future Delivery.

Rooted Cuttings and Plants of Rose Queen of Edgely, (Pink American Beauty). Write for prices.

EDWIN LONSDALE, WYNDMOOR, CHESTNUT HILL, PHILADELPHIA.

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.**

"A Wee Wail From The Woods(man)"

"QUALITY COUNTS"

("That's All.")

This stock can be had **ONLY** direct from the introducers or their Agents:

J. B. DEAMUD, Chicago, Ill.	W. F. KASTING, Buffalo, N. Y.
LEO. NIESSEN, Philadelphia, Pa.	GEO. M. KELLOGG, Kansas City, Mo.
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.	
REED & KELLER, New York City.	
HOLTON & HUNKEL, Milwaukee, Wis.	H. G. BERNING, St. Louis, Mo.
BARTELDES & CO., Denver, Colo.	

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
 ORDER NOW AND RECEIVE PROMPT SHIPMENT.

<table border="0"> <tr> <th style="text-align: left;">PINK.</th> <th>Per 100</th> <th>1000</th> </tr> <tr> <td>Enchantress.....</td> <td>\$6.00</td> <td>\$50.00</td> </tr> <tr> <td>Morning Glory.....</td> <td>2.00</td> <td>15.00</td> </tr> <tr> <td>Higinbotham.....</td> <td>1.50</td> <td>12.50</td> </tr> <tr> <td>Lawson.....</td> <td>1.50</td> <td>12.50</td> </tr> <tr> <td>Guardian Angel.....</td> <td>1.25</td> <td>10.00</td> </tr> <tr> <td>Cressbrook.....</td> <td>1.50</td> <td>12.50</td> </tr> </table>	PINK.	Per 100	1000	Enchantress.....	\$6.00	\$50.00	Morning Glory.....	2.00	15.00	Higinbotham.....	1.50	12.50	Lawson.....	1.50	12.50	Guardian Angel.....	1.25	10.00	Cressbrook.....	1.50	12.50	<table border="0"> <tr> <th style="text-align: left;">RED.</th> <th>Per 100</th> <th>1000</th> </tr> <tr> <td>Palmer.....</td> <td>\$2.00</td> <td>\$15.00</td> </tr> <tr> <td>Estelle.....</td> <td>2.00</td> <td>15.00</td> </tr> <tr> <td>Harlowarden.....</td> <td>3.00</td> <td>25.00</td> </tr> </table> <table border="0"> <tr> <th style="text-align: left;">WHITE.</th> <th>Per 100</th> <th>1000</th> </tr> <tr> <td>Her Majesty.....</td> <td>3.00</td> <td>25.00</td> </tr> <tr> <td>White Cloud.....</td> <td>1.50</td> <td>12.50</td> </tr> <tr> <td>Flora Hill.....</td> <td>1.50</td> <td>12.50</td> </tr> </table>	RED.	Per 100	1000	Palmer.....	\$2.00	\$15.00	Estelle.....	2.00	15.00	Harlowarden.....	3.00	25.00	WHITE.	Per 100	1000	Her Majesty.....	3.00	25.00	White Cloud.....	1.50	12.50	Flora Hill.....	1.50	12.50
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Rooted Rose Cuttings.

<table border="0"> <tr> <th></th> <th>Per 100</th> <th>1000</th> </tr> <tr> <td>Bride.....</td> <td>\$1.50</td> <td>\$12.50</td> </tr> <tr> <td>Bridesmaid.....</td> <td>1.50</td> <td>12.00</td> </tr> <tr> <td>Ivory.....</td> <td>1.50</td> <td>12.50</td> </tr> <tr> <td>Golden Gate.....</td> <td>1.50</td> <td>12.50</td> </tr> </table>		Per 100	1000	Bride.....	\$1.50	\$12.50	Bridesmaid.....	1.50	12.00	Ivory.....	1.50	12.50	Golden Gate.....	1.50	12.50	<table border="0"> <tr> <th></th> <th>Per 100</th> <th>1000</th> </tr> <tr> <td>La France.....</td> <td>\$2.00</td> <td>\$15.00</td> </tr> <tr> <td>Meteor.....</td> <td>1.50</td> <td>12.50</td> </tr> <tr> <td>Liberty.....</td> <td>3.00</td> <td>25.00</td> </tr> </table>		Per 100	1000	La France.....	\$2.00	\$15.00	Meteor.....	1.50	12.50	Liberty.....	3.00	25.00
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WIETOR BROS., Wholesale Growers of Cut Flowers.
 51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

NOW READY Carnations FOR SHIPMENT.

BEST AND MOST STRONGLY ROOTED CARNATIONS ON THE MARKET.

<table border="0"> <tr> <th style="text-align: left;">WHITE.</th> <th>Per 100</th> <th>1000</th> <th>5000</th> </tr> <tr> <td>White Cloud.....</td> <td>1.00</td> <td>9.00</td> <td>35.00</td> </tr> </table> <table border="0"> <tr> <th style="text-align: left;">SCARLET.</th> <th>Per 100</th> <th>1000</th> <th>5000</th> </tr> <tr> <td>America.....</td> <td>1.20</td> <td>10.00</td> <td>40.00</td> </tr> </table>	WHITE.	Per 100	1000	5000	White Cloud.....	1.00	9.00	35.00	SCARLET.	Per 100	1000	5000	America.....	1.20	10.00	40.00	<table border="0"> <tr> <th style="text-align: left;">PINK.</th> <th>Per 100</th> <th>1000</th> <th>5000</th> </tr> <tr> <td>Marquie.....</td> <td>1.00</td> <td>9.00</td> <td>35.00</td> </tr> <tr> <td>Mrs. Joost.....</td> <td>1.20</td> <td>10.00</td> <td>40.00</td> </tr> </table> <table border="0"> <tr> <th style="text-align: left;">VARIEGATED.</th> <th>Per 100</th> <th>1000</th> <th>5000</th> </tr> <tr> <td>Armazindy.....</td> <td>1.00</td> <td>9.00</td> <td>35.00</td> </tr> <tr> <td>Prosperity.....</td> <td>1.40</td> <td>12.50</td> <td>60.00</td> </tr> </table>	PINK.	Per 100	1000	5000	Marquie.....	1.00	9.00	35.00	Mrs. Joost.....	1.20	10.00	40.00	VARIEGATED.	Per 100	1000	5000	Armazindy.....	1.00	9.00	35.00	Prosperity.....	1.40	12.50	60.00
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EXPRESS PREPAID TO ANY DESTINATION. SATISFACTION GUARANTEED OR YOUR MONEY BACK.

LOOMIS CARNATION CO.

LOCK BOX 115. LOOMIS, CAL.

ROOTED CARNATION CUTTINGS.

Special quotations on Gov. Wolcott, Lawson and Palmer in large lots.			
	Per 100	1000	Per 100 1000
Enchantress.....	\$5.00	\$45.00	Higinbotham..... 1.50 12.50
Gov. Wolcott.....	3.50	30.00	Lillian Pond..... 3.00 25.00
2000 and over, \$28.00 per 1000.			Palmer..... 1.50 12.50
Lawson.....	1.50	12.50	3000 and over, \$11.00 per 1000.
2000 and over, \$11.00 per 1000.			Joost..... 1.50 12.00

Stock 'mums of Merry Christmas and Eaton, big clumps, \$1.00 per dozen. Booking orders for 2½-inch roses and 'mums for spring delivery. Get your orders in and secure good stock. Send in list for estimate.

POENLMANN BROS. CO., Morton Grove, Ill.

Please mention the American Florist when writing.

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....	\$.75	100 Plants and over and less than 1,000, each.....	\$.25
12 Plants, each.....	.60	1,000 Plants and over, each.....	.20
25 Plants, each.....	.50	3-inch pot plants, 5c each additional.	
50 Plants and over and less than 100, each.....	.30	PRICES OF GRAFTED STOCK GIVEN ON APPLICATION.	

JOHN BREITMEYER'S SONS,

Gratiot and Miami Aves., DETROIT, MICH.

SELLING AGENTS:
ERNST ASMUS & SON,
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MICHIGAN CUT FLOWER EXCHANGE,
VAUGHAN'S SEED STORE,
S. S. SKIDELSKY,

J. AUSTIN SHAW,
CLUCAS & BODDINGTON CO.

ROSE PLANTS.

STRONG STOCK
from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

MME. CHATENAY.....	Per 100	1000	Per 100	1000
SUNRISE.....	\$6.00	\$50.00	\$3.00	\$25.00
KAISERIN.....	5.00	40.00	3.00	25.00
LIBERTY.....	4.00	35.00	3.00	25.00
	6.00	50.00	3.00	25.00
MAID.....			3.00	25.00
BRIDE.....			3.00	25.00
PERLE.....			3.00	25.00
GOLDEN GATE.....			3.00	25.00
IVORY.....			3.00	25.00

ROSE CUTTINGS—Well Rooted.

IVORY.....	Per 100	1000	Per 100	1000
MAID.....	\$1.50	\$12.50	\$1.50	\$12.50
BRIDE.....	1.50	12.50	3.50	30.00
GOLDEN GATE.....			\$1.50	\$12.50
PERLE.....			1.50	12.50
SUNRISE.....			3.50	30.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		Per 100	1000	WHITE.		Per 100	1000
MRS. LAWSON.....		\$1.50	\$12.50	MURPHY'S WHITE.....		\$3.00	25.00
MRS. E. A. NELSON.....		2.50	20.00	FLORA HILL.....		1.25	10.00
GUARDIAN ANGEL.....		1.25	10.00	WHITE CLOUD.....		1.25	10.00
MRS. HIGINBOTHAM.....		2.00	15.00	PERU.....		1.25	10.00
SYBIL.....		3.00	25.00	QUEEN LOUISE.....		1.25	10.00
MCKINLEY.....		3.00	25.00	NORWAY.....		1.25	10.00
JOOST.....		1.25	10.00	MARION.....		1.25	10.00
				GOV. LOWNDES.....		3.00	25.00
VARIEGATED.				RED.			
MRS. BRADT.....		2.00	15.00	ESTELLE.....		2.50	20.00
PROSPERITY.....		2.00	15.00	MRS. INE.....		1.25	10.00
				CHICAGO (Red Bradt).....		2.00	15.00
				HARLOWARDEN.....		3.00	25.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Healthy Carnations.

Well Rooted. Enchantress, all sold till March 15th, \$6.00 per 100; \$50.00 per 1000. Strong, 2-inch pots now ready, \$8.00 per 100. Now ready, Queen Louise, Flora Hill, Lorna, White Cloud, Peru, Innocence, Lawson, Floriana, Prosperity, Dorothy, Marquis, Pres. Roosevelt, Manley. \$2.00 per 100; \$17.50 per 1000.

W. W. COLES, Kokomo, Ind.

Strong, well rooted Carnation Cuttings.

White Bradt, White Sport of Mrs. Geo. M. Bradt.
\$1.50 per 25; \$5.00 per 100; \$22.00 per 500.
Cash with order or C. O. D.

JOHN E. STEN, REDWING, MINN.

All the Best CARNATIONS

The Leading Novelties of 1904.
The Best Varieties of 1903.
All the Standard Sorts.
Order your Rooted Cuttings NOW.

GEO. HANCOCK & SON, GRAND HAVEN, MICH.

VESPER.

Best Commercial White
Carnation To Date.

Pure white. Blooms 3 inches and over in diameter, beautifully fringed; very fragrant; exceedingly freebloomer; early and continuous; very healthy and vigorous; stems stiff, three feet long and over; has brought top prices in the Philadelphia Market the past three seasons. **COME AND SEE IT GROWING.** \$10.00 per 100; \$75.00 per 1000. From 2-inch pots, \$12.00 per 1000; \$90.00 per 1000.

WE ALSO OFFER THE FOLLOWING GOOD VARIETIES:

	Per 100	1000		Per 100	1000
HARLOWARDEN, the finest crimson.....	\$5.00	\$45.00	LILLIAN POND.....	5.00	40.00
From 2-inch pots.....	6.50	60.00	PRES. McKINLEY.....	4.00	30.00
Those in pots are extra fine for immediate delivery.			WHITE BRADT.....	6.00	
ENCHANTRESS.....	6.00	50.00	MAY NAYLOR.....	4.00	35.00
From 2-inch pots, well established plants.....	7.50	65.00	HER MAJESTY	5.00	40.00
MRS. M. A. PATTEN.....	12.00	100.00	MRS. E. A. NELSON	3.00	25.00
FLAMINGO.....	12.00	100.00	ALPINE GLOW.....	4.00	35.00
MRS. THEO. ROOSEVELT.....	5.00	40.00	MRS. THOS. LAWSON	3.00	25.00
ADONIS.....	7.50	65.00	MRS. GEO. M. BRADT.....	3.50	30.00

—Send For Catalogue. Five Per Cent Off for Cash with Order.—

ROBERT CRAIG & SON, 49th & Market Streets, PHILADELPHIA, PA.

Rooted Cuttings. Verbenas, 25 var., good ones, 60c per 100; \$5.00 per 1000. Heliotrope, good varieties, \$1.00 per 100; \$8.00 per 1000. Coleus, all the best, 70c per 100; \$6.00 per 1000. Ageratum, 60c per 100; \$5.00 per 1000. Salvia, \$1.00 per 100; \$8.00 per 1000. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Pelargoniums, \$2.25 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write **S. D. BRANT, The Clay Center Florist, Clay Center, Kansas.**

Rooted Cuttings—Roses

	Per 100	1000
American Beauty.....	\$3.00	\$30.00
Bride, Maid, Ivory, Gate.....	1.50	12.00
Perle, Kaiserin, Meteor, Canadian Q'n	2.50	22.50

Write your order for 2 1/2 or 3-inch stock later delivery. We guarantee this strongly rooted healthy stock and extra good value. Twenty leading varieties of stock 'Mums and R. C. at lowest rates. Boston Ferns, \$4.00 to \$35.00 per 100. In excellent condition.

W. H. GULLETT & SONS, Lincoln, Ill.
Please mention the American Florist when writing

CYCLAMEN PLANTS.

Cyclamen Persicum Splendens Giganteum, finest strain in the world in four colors, from 4-in. pots \$12.00 per 100. **PRIMULA CHINENSIS FIMBRATA**, (fringed Primroses). No finer strain, all colors, 3-in. pots, \$5.00 per 100.

PAUL MADER, E. Stroudsburg, Pa.

Chrysanthemums...

American Novelties. Also a complete line of Australian, English and French varieties, both new and standard sorts. For prices and descriptions address

NATHAN SMITH & SON, ADRIAN, 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.

Mrs. Fisher Best standard white for summer flowering. Strong rooted cuttings, \$1.25 per 100; \$10.00 per 1000.
A. CHRISTENSEN, Stoneham, Mass

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.
WM. SWAYNE, Box 226, KENNETT SQUARE, PA.

NEW PINK CHRYSANTHEMUM Dr. ENGUEHARD

The finest commercial Pink Chrysanthemum ever introduced.

We were awarded for this, first prize for the best six blooms any new pink variety at the Chrysanthemum Show in New York. This is going to be in pink chrysanthemums what Col. D. Appleton has been in yellow and Timothy Eaton in white. It is a fine commercial flower of the largest size, and an ideal color; fine, large, compact blooms of great substance; a fine shipper; something that has long been wanted in pink chrysanthemums. It has grand foliage, is an easy "doer," and a phenomenal variety in every respect. As the demand for this is enormous, it would be advisable to place orders without delay. As orders are filled in rotation, the earlier order is placed the earlier delivery we can make.

Certificated by the C. S. A., having scored as high as 95 points.

50c each, \$5.00 per dozen, \$30.00 per 100

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK.

Please mention the American Florist when writing.

AMERICAN BEAUTY ROOTED CUTTINGS

This stock is from good, clean, healthy wood, will be free from spot and thoroughly rooted when sent out. Money refunded if not perfectly satisfactory upon return of stock. \$3.00 per 100; \$25.00 per 1000.

J. A. BUDLONG, Wholesale Grower of Cut Flowers, 37-39 Randolph Street, CHICAGO, ILL.

Please mention the American Florist when writing.

The Queen Best Commercial White CARNATION.

Rooted Cuttings, X X X Stock \$5.00 per 100; \$45 per 1000.

TOTTY'S PEERLESS SET CHRYSANTHEMUMS LAST YEAR'S BEST NOVELTIES.

Send for Descriptive Circular and Price List.
JOHN BARR, South Natick, Mass.
Please mention the American Florist when writing.

ROSE PLANTS

STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN	Per 100	Per 1000	Liberty.....	Per 100	Per 1000	Golden Gate.....	Per 100	Per 1000
Mme. Chatenay.....	\$20.00	\$150.00	Maid.....	\$1.00	\$35.00	Ivory.....	\$3.00	\$25.00
Sunrise.....	6.00	50.00	Bride.....	3.00	25.00	American Beauty.....	6.00	50.00
	5.00	40.00						

UNCLE JOHN is the best Pink introduction in recent years. It's a money-maker.

ROSE CUTTINGS—Well Rooted.

Bride.....	Per 100	Per 1000	Golden Gate.....	Per 100	Per 1000	Sunrise.....	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50	Ivory.....	\$1.50	12.50	American Beauty.....	\$3.50	\$30.00
	1.50	12.50		1.50	\$12.50		3.00	25.00

CARNATIONS.

Well rooted, healthy cuttings, of the following varieties, now ready.

WHITE		SCARLET		VARIEGATED	
	Per 100	Per 1000		Per 100	Per 1000
Reliance.....	\$10.00	\$80.00	Crusader.....	\$10.00	\$80.00
Lady Bountiful.....	12.00	100.00	Flamingo.....	12.00	100.00
Moonlight.....	10.00	75.00	Estelle.....	3.00	25.00
Her Majesty.....	5.00	45.00	Mrs. Potter Palmer.....	3.00	25.00
Gov. Wolcott.....	4.00	30.00	America.....	2.00	15.00
Boston Market.....	3.00	25.00			
Norway.....	2.00	15.00			
The Bell.....	12.00	100.00			

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

BENTHEY & CO., 35 RANDOLPH ST., CHICAGO.

Julius Roehrs

RUTHERFORD, N. J.

Grower of

Palms, Bay Trees,
Box Trees

—AND—

Decorative Stock.

'MUM STOCK PLANTS.

Strong plants, carefully packed, of the following varieties at \$4.00 per 100; 60c per dozen: Bonnafton, Robinson, Modesto, Murdoch, Childs, Glory of the Pacific, Ivory, pink and white, Mountmort and Wanamaker. **Stevia**, stock plants from bench or pots, \$5.00 per 100; 75c per dozen.

We are headquarters for **Carnation**, 'Mum and **Stevia** cuttings in season.

John Brod, Wholesale Florist,
NILES CENTER, ILL.

ALL Nursermen, 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.

VERBENAS

We are the largest growers of Verbénas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. **60 Varieties.**

Rooted Cuttings, 60c per 100; \$5.00 per 1000; \$45.00 per 10,000.
Plants, \$2.50 per 100; \$20.00 per 1000.

CARNATIONS.

White.	Per 100	Pink.	Per 100	Crimson.	Per 100
The Queen.....	\$5.00	Enchantress.....	\$6.00	Harry Fenn.....	\$5.00
Queen Louise.....	1.50	Success.....	4.00	Gov. Roosevelt.....	2.50
Lorna.....	2.50	Mrs. Higinbotham.....	5.00	Gen. Maceo.....	1.50
Good Enough.....	2.00	Cressbrook.....	3.00		
White Cloud.....	1.50	Mrs. E. A. Nelson.....	3.00		
Flora Hill.....	1.50	Mrs. Thos. Lawson.....	3.00		
		Dorothy.....	2.00		
		Sunbeam.....	1.50		
		Morning Glory.....	2.50		
		Mrs. Joost.....	1.25		
		Daybreak.....	1.25		
		Wm. Scott.....	1.25		
		Crocker.....	1.25		
		Mermaid.....	2.00		
		Floriana.....	1.50		

GRAFTED ROSES.

Our grafted roses are fine, bushy plants and grow in 3 and 3½-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. **Send for Catalogue.**

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS Rooted Cuttings.

Buchner.....	Per 100	1000
Jean Viaud.....	\$1.50	\$10.00
M. de Castellane.....	2.00	12.50
	2.00	15.00

Send for list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

1,100 Extra Strong Boston Fern

Runners from Bench, at \$1.50 per 100, if taken at once. Cash please.

L. A. RIKE & SON, LeRoy, Ill.

DAHLIAS. POT ROOTS.

Ten Gold Medals Awarded 1903. Pot-roots for shipment at once. Every section including the popular Cactus Dahlias at \$4.00 per 100 in 25 sorts. Better and newer kinds at \$5.00 and \$6.00 per 100. Terms: Cash with order.

HOBBIES LIMITED, Dereham, Eng.
Norfolk Nurseries.

THE AMERICAN FLORIST'S COLOR CHART

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Please mention the American Florist to advertisers.

Worcester, Mass.

There has been a change in the board of officers of the Worcester Conservatory, F. G. Davis retiring. The officers now are G. F. Barnard, president; W. B. Barnard, treasurer; L. C. Midgeley, secretary and manager. W. T. Tapper has severed his connection with the firm and Mr. Goudy has charge of the roses.

Trade the last month has been satisfactory and good flowers in all lines are plentiful. Fine stock of roses, carnations, violets, mignonette, etc., is in good supply at the present writing.

According to the local papers H. F. Littlefield contemplates building a 250-foot house in the near future.

Lange's roses and carnations are of specially fine quality.

A. H. L.

Spokane, Wash.

The Washington State Horticultural Association at its last session decided to hold the next meeting at Wenatchee. The association adopted resolutions demanding a flat reduction from the express companies of 12 1/2 per cent. on fruit. The following officers were elected for the coming year: President, Rev. F. B. Utter, Wenatchee; first vice-president, W. H. Paulhamus, Sumner; second, vice-president, C. L. Whitney, Walla Walla; treasurer, R. C. McCroskey, Garfield; secretary, L. G. Monroe, Spokane; president of the horticultural department, Mrs. L. B. Wright, North Yakima.

Albany, N. Y.

The convening of the legislature, January 13, was made the occasion for the presentation of many gifts of flowers to the members by their friends. Since there have been a number of funerals, society functions and receptions, which have kept the local florists very busy.

Walter Mott, of Jamestown, was in the city January 25 and 26.

JOSEPH HEAGOCK,

WYNCOTE, PA.

GROWER OF

**Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana**

For our prices see page 551, Nov. 7th issue.

PIERSON FERNS.

2 1/2-inch at \$3.00 per 100.

Young plants from the bench, \$5.00 per 100.

Large plants ready for 6 and 7-inch pots,

50c each.

Boston Ferns 2 1/2-inch at \$3.50 per 100.

Also fine line of 4, 5, 6 and 7-inch. Write for quotations.

DAVIS BROTHERS, Morrison, Ill.

Please mention the American Florist when writing.

GOOD FERNS.

BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$15.00.

PIERSON FERNS, fine bushy plants, \$1.00 each; 8 inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.

Keap Street Greenhouses.

Asparagus...

	Per 100
Plumosus Nanus, 2-inch pots.....	\$2.50
Sprengeri, 2-inch pots.....	1.50
Geraniums, 10 varieties.....	3.00
Pansy Plants, per 1000.....	\$2.50 .50
Colours, 10 varieties, 2-inch pots.....	2.00

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Please mention the American Florist when writing

Asparagus Plumosus Nanus

2 1-2-inch stock in line shape at \$3.00 per hundred.

HOLTON & HUNKEL CO., Milwaukee, Wis.

FOR THIRTY DAYS ONLY.

BOSTON FERNS. Extra fine bench plants, 5-inch at 10c; 6-inch at 15c to close out. Must have room. 2 1/2-inch, ready for 4-inch, \$3.50; 3-inch, \$8.00. **CANNAS**, F. Vaughan, J. C. Vaughan, Eganale, Chas. Healderson, A. Bouvier, Burbank, Souv. de Aotioee Crozy, in variety \$2.50 per 100; \$20.00 per 1000. **CARNATIONS**, Queen Louise, white, Floriaca, pink, the two best money makers we have, \$1.25 per 100; \$40.00 per 100. Lawson, \$1.75 per 100; \$15.00 per 1000. Cash please.

A. J. BALDWIN, Newark, Ohio.

Please mention the American Florist when writing.

Albert Fuchs,
PALMS, FERNS, FICUS.
Established 1884. CHICAGO, 2045-59 Clarndon Ave.

ARAUARIA EXCELSA. From 20, 23-25 inches high, 6 inch pots, perfect plants, 75c, \$1.00 to \$1.25 each. Extra large specimens, 8-inch pots, 25 to 35 inches high, 25 to 32 inches across, (show plants), only \$2.50 to \$3.00 each, (worth \$10.00 retail). 5 1/4 inch pots, 40 to 50c each.

FICUS ELASTICA. (Rubber Plants). 6-inch pots from 20 to 28 inches high, \$2.00, \$3.00, \$4.00, \$5.00 and \$6.00 per doz.

DRACENA BRUANTI. 6-inch pots, 20 to 25 inches high, (to make room for Easter plants), cut down from 50c to 35c.

BEGONIA PRES. CARNOT. 6-inch pots, in bud and and bloom, \$2.50 per doz. Other mixed varieties 4-inch pots, \$1.80 per doz.

CYCLAMENS. In bud and bloom, \$2.00 per doz.

PRIMULA OBOCNICA. 4-inch, in bloom, \$1.80 per doz.

Cash with order please. Plants are shipped at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,
1012 Ontario St., PHILADELPHIA, PA.
Bell Telephone Tioga 3669 A.

Asparagus and Ferns

We have a fine stock of the above which we will offer until the stock is reduced at the following prices:

	Per 100
Asparagus Sprengeri, 2-inch.....	\$2.00
" " 3-inch.....	3.50
Asparagus Plumosus, from flats.....	2.25
" " 2-inch.....	3.00
" " 3-inch.....	6.00
Kentia Bel., 2 1/2-in. pot, 8-10 in., 2-3 leaves..	12.00
" " 2 1/2-in. pot, 15-18 in., 3-4 leaves..	15.00
" " 3 -in. pot, 15-18 in., 4-5 leaves..	18.00
" " 3 -in. pot, 18-24 in., 5-6 leaves..	20.00
Latania Bor., 2-in. pot, seed leaves..	5.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	20.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	30.00

Sherman Nursery Co., CHARLES CITY, IOWA.

Geo. Wittbold Co.,

1657 Buckingham Pl., CHICAGO, ILL.

Send for Price List on all

Palms and Ferns

Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100 In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. **Asp. Sprengeri**, 4-inch, \$6.00 per 100. **Dracena Indivisa**, 3-inch, strong, \$8.00 per 100. **Kentias, Ficus.**

L. H. Foster, 45 King St., DORCHESTER, MASS.

Cyclamens blooming and in bud; fine stock. 4 inch, \$12.00; 5-inch, \$20.00 and \$30.00 per 100.

C. WINTERICH, Defiance, Ohio.

A FEW GOOD THINGS YOU WANT.

An extra fine lot of **PALMS** and **BOSTON FERNS** grown especially for Christmas sales,

ARECA LUTESCENS, 3 plants to pot, 4, 5 and 6-inch, \$25, \$40 and \$100 per 100.

KENTIA BELMOREANA and **FORSTERIANA**, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

 " **SPRENGERI**, 2-inch, \$3.00 per 100.

VINCA VARIEGATA, 2-inch, \$2.00 per 100.

CARNATIONS, Queen Louise, 2-in., \$2.00 per 100.

 " Lawson, 2-inch, \$2.50 per 100.

GERANIUMS, 2-in. pot plants. Double and single Grant, Benoot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, \$2.50 per 100.

ROOTED CARNATION CUTTINGS, Queen Louise and Wolcott, \$1.50; Lawson and Prosperity, \$2.00; Crocker and Goodenough, \$1.25 per 100.

CASH OR C. O. D.

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

Plants. Rooted Cuttings.

BOSTON FERNS, from bench, strong, for 4 and 5-inch, 10c.

PRIMULA OBOCNICA GRANDIFLORA, Alba, Rosea, \$1.50 per 100; 300 for \$4.00.

AGERATUM, Gurney, Pauline; **GIANT MARGUERITE**

DAISY, White; **SALVIA**, Splendens, Silver Spot, 2-inch, 2c.

Rooted Cuttings Prepaid. **SALVIA**, Silver Spot, Splendens. **STEVIA**, variegated, 90c per 100.

AGERATUM, S. Gurney, P. Pauline. **ALTER-NANTHERA**, red, yellow, 50c per 100. **HARDY PINKS**, 5 best kinds, 75c per 100. **VERBENAS**, 10 kinds, 60c per 100. **FUCHSIAS**, 5 kinds, \$1.25 per 100. **DAISY**, **HELIOTROPE**, blue, \$1.00 per 100. Cash.

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.

Hardy Cut Ferns.

Fancy or Dagger, now \$1.25 per 1000. Cash. Without cash I will not sell.

Spaghnum Moss.

Fine quality, 60c per barrel.

All orders by mail or dispatch, with cash, promptly attended to.

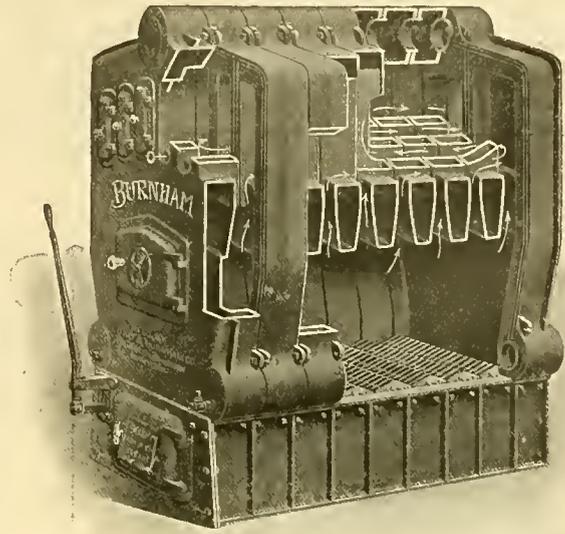
THOMAS COLLINS, Hinsdale, Mass.

Please mention the American Florist when writing.





**SELF-OILING
VENTILATING APPARATUS
For Greenhouses.**

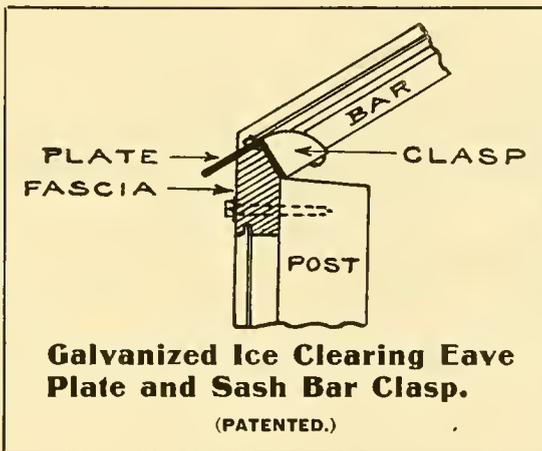


Sectional Water Boiler, Open View.

"Burnham" Boilers
RELIABLE, DURABLE, ECONOMICAL.

**RED GULF
CYPRESS
MATERIAL**

Cast Iron Gutters,
Iron Purlins,
Columns, etc.



Headquarters for
All Kinds of

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MATERIAL**

Largest Builders of Greenhouse Structures.

Catalogue of Greenhouse Heating and Ventilating Apparatus mailed from
New York office on receipt of five cents for postage.

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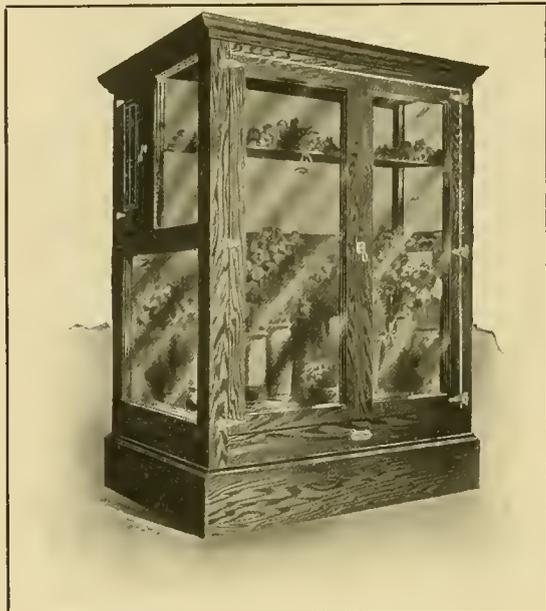
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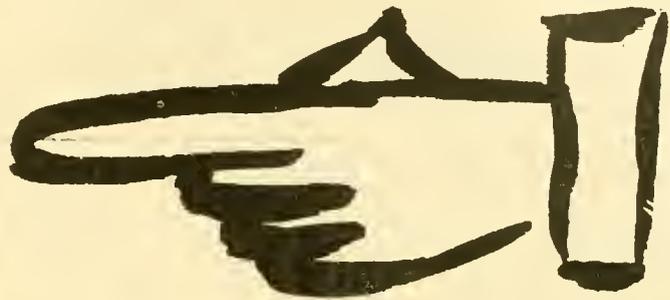
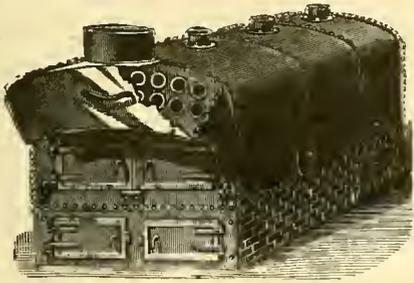
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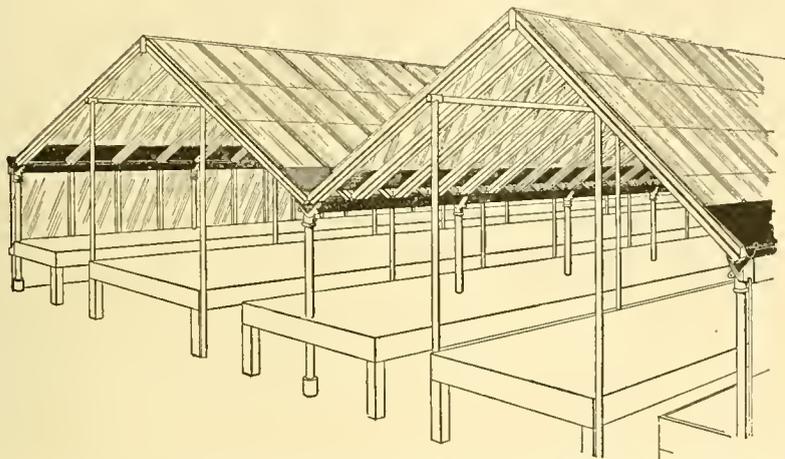
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WRITE FOR OUR CATALOGUE No. 47.

Chicago House Wrecking Co.,
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Cincinnati.

Trade holds up exceedingly well, and it is a case of skirmish to get enough roses and carnations for orders. Harrisii and calla lilies are in good demand, with not quite enough to go around. There are enough violets for all orders and a few left over. Bulbous stock is plentiful, also smilax and Asparagus plumosus, while A. Sprengeri is scarce. There are a few 'mums seen on the market now and then, of the variety Merry Christmas. The last lot of poinsettias were brought in last week, and were sold as soon as taken out of the box. Klehms' nurseries, at Arlington Heights, Ill., are sending the Novelty tulip to this market. This is in demand at \$4 per 100. We have also had shipments of violets from Rhinebeck and Poughkeepsie, but they cannot be compared with the local article. When it comes to the real thing in violets we all have to take off our hats to Smith & Young, of Indianapolis, as their Marie Louise are the finest to be had. A great many carnations were used for McKinley day, January 29, and florists sold out clean. Jos. Goldman, of Middletown, says he sold all the Lawson he could get at twenty-five cents each, and did not have enough for all his customers.

It is with utmost regret that we read the obituary notice of Henry Weber, of Oakland, Md. Mr. Weber was a frequent visitor and exhibited often at our monthly shows. The dealers of this city take this method of extending their sympathy to the bereaved family.

Dohrmann & Schroetter have purchased the greenhouses of Henry Benzinger, at Fifteenth and Holman streets, Covington, Ky., and will grow cut flowers for the Cincinnati market. A. O.

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10x15 double thick quality B.

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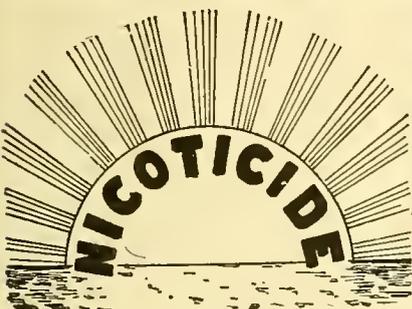
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WILL KEEP SNOW AND ICE OFF YOUR GLASS.

DES PLAINES, ILL.
SEND FOR CATALOGUE.

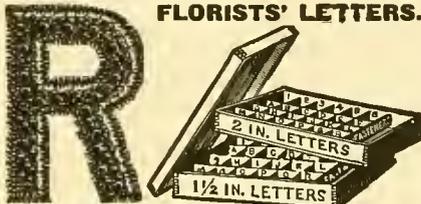
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THE AMERICAN FLORIST



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THE AMERICAN CARNATION SOCIETY.

Annual convention at Detroit, Mich., March 2, 1904. ALBERT M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Philadelphia, March, 1904. LEONARD BARRON, 136 Liberty St., New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1904. FRED H. LEMON, Richmond, Ind., secretary.

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PALMS AND FERNS.

Seasonable Notes.

This is the quiet season among plants of this character, for many of them are still taking a more or less complete rest, though the resting period is getting short. But little potting is in order as yet, there being nothing gained by too much haste with plants that are not in condition to take hold of the fresh soil. We have remarked several times before that kentias are the only palms among the ordinary commercial species that are improved by being repotted during the winter instead of waiting for the opening of spring, and even in so severe a season as the present one we find no reason to change that opinion, the only condition under which we might change our present practice being in the case of a poorly heated establishment where it was impossible to keep the kentias in a proper temperature of 60° at night. Under such conditions it would be the part of wisdom to wait until the breaking up of winter before disturbing the roots of even the kentias. But supposing the kentias to be kept in a night temperature of 50°, they are quite likely to lose some of their deep, rich, green color before spring, the younger leaves showing the greater loss of color, and the plants getting a rather hard and starved look that is attractive to neither grower nor buyer, though not necessarily resulting in permanent injury. The greatest loss from getting plants in this condition is in the loss of time that is used in getting them back to a good growing condition again. It takes several weeks to start them on again in the spring and thus cuts down the growing season to that extent. This matter of time is an important factor to the palm grower, the margin of profit being not by any means an excessive one, and, unless prepared for these contingencies, the wise grower will touch the palm market but lightly.

About three years ago the European stocks of palms were rather down in regard to certain sizes that were much in demand, but now the small plants of that period are coming into the market in great quantities, and there will doubtless be many attractive offers made by the representatives of the European growers, those interesting hustlers who are always quite ready to separate the American florist from his hard-earned capital. But attractive though these offers may be, there is always that forty-

five or fifty per cent of expenses to be kept in mind when ordering plants from Europe, and that the one dollar plant does not look quite so large and cheap after you get through paying \$1.50 for it without taking into consideration the constant possibility of finding a few injured or imperfect plants in each shipment. That there are many plants of excellent quality imported from Europe each season no one will deny, but there are also large numbers that will not pass muster as first-class stock, and in addition to this there is no good reason, climatic or otherwise, to prevent us from supplying our own market with palms, the difference in the cost of labor not being enough to count for much in this matter. Higher duties would probably have but little effect on this case, the chief reason for the American dealer and decorator importing palms being found in the fact that he is frequently unable to find what he wants in this country, and is thus driven to importing in order to get plants adapted for his purpose. Our climate is superior for the production of palms to that of most of continental Europe, and many of the species may be grown much more rapidly here than there. But the pros and cons of the question of importing may scarcely be considered in the light of cultural items by the editor unless it be along the line of mind culture, and it would seem best that we return to our knitting, or rather to our potting.

There is a fungoid disease of kentias that bears some resemblance to the stem rot of which the carnation growers have so much tribulation. The palm that is affected in this manner first shows a slightly withered appearance of the foliage, much as though the plant was suffering from lack of water. This is usually followed by one or two of the lower leaves turning yellow rather suddenly, and a further examination will show that the plant has rotted off at the collar and is entirely beyond recovery. The progress of the disease is so rapid that on turning out of the pot one of the plants that has rotted off, it is sometimes found that the roots still appear to be healthy, though in some cases the roots will also appear to be affected. This disease has given much trouble to some growers, and apparently infects the particular space on the bench that has been occupied by the diseased plant, for an apparently healthy plant that has been moved to fill up the space will sometimes develop the disease and go off in the same manner as its predecessor. From

it would seem that the bench had come infested to some extent with the spores or mycelium of the fungus. Thus far there does not appear to have been a satisfactory remedy found for this trouble, but it would seem that plants that are not over strong to begin with, and that have suffered from extremes of moisture and dryness, are more likely to develop the stem rot than are those that are in vigorous health. In fact the plants that are allowed to get very dry, or are kept in a partially dry condition during the winter, are much more likely to become suitable objects for the vegetable pathologist than those that enjoy a liberal supply of water the year around.

The tremendous firing that has been needful during the present winter in order to keep up a proper temperature has brought about various attacks of red spider, the strong heat and comparatively dry air provide ideal conditions for this little pest and require constant watchfulness on the part of the grower. Vigorous syringing will do much to keep this pest down, but in case a batch of small plants become affected by it, a dipping in a rather strong solution of tobacco soap or whale oil soap and tobacco extract will probably put a stop to it. The plants are thoroughly rinsed in the solution so that all portions of the foliage may be wetted, the same treatment being also of value in ridding small palms of mealy bug, which insect also propagates freely during the winter, as in fact it does at almost all seasons of the year. The subject of shading will soon need to be considered again and will probably be referred to in an article in the near future.

W. H. TAPLIN.

THE CARNATION.

American Carnation Society.

DEPARTMENT OF PLANT REGISTRATION.

Registered by Davis Brothers, Bloomsburg, Pa., Mary Albert, color pure white; stem twenty-four to thirty-six inches, long, stiff and wiry. Early and continuous bloomer; does not burst at any time of the year. Blooms measure from two and one-half to three inches. An extra good keeper. Cross Crane by Flora Hill. Might be termed an improved Flora Hill.

Everyone interested in carnations should attend the meeting of the American Carnation Society at Detroit, Mich., March 2 and 3. The rate of one and one-third fares has been secured from the Trunk Line Association and the Central Passenger Association, these two associations covering the greater part of the territory from which attendance will be forthcoming for this meeting. Everyone who has something to exhibit and is not a member of the society can get a premium list giving full particulars by applying to the secretary, Albert M. Herr, Lancaster, Pa. The premium list has been sent to each member of the society, and anyone not getting his should apply at once for a second copy.

ALBERT M. HERR, Sec'y.

Advice to Exhibitors.

The Detroit meeting of the Carnation Society will be here in a little more than two weeks and intending exhibitors must by this time be making their preparations. Detroit being located within easy distance of so many large carnation growers, together with the fact of so many new varieties now being introduced this season, ought to be indication enough that this convention will be the

greatest in the history of the society. Introducers cannot afford to neglect this opportunity of displaying their new varieties now being offered to the trade, also those being worked up for the season of 1905. This will also be the greatest and cheapest opportunity of every carnation grower to compare and make observations between the novelties and those that have stood the test. Many bright ideas and experiences can be obtained in a very short while by attending these meetings, all of which will more than repay you for your time and expense. If you make an exhibit you may not win out but you will have the experience of comparing your products with those that do.

The one great point to bear in mind when putting up a vase of carnations is evenness. Even in color, even in size, even in form and even in length and strength of stem are things that tell. I have been at exhibitions several times with a vase of blooms, in which many of the flowers were so much superior to the others in the vase that they have given the whole an uneven appearance. Consequently a vase of blooms though not



The Late Josiah Hoopes.
(See issue of January 23, page 981.)

quite as large, but more even, has beaten it out.

To be able to show the blooms at their best particular care must be taken from now on to keep the temperature of the houses as near the mark as possible with a slight tendency to the cool side. You can do this by reducing the steam heat a little earlier on bright days and leaving it off a little later in the afternoon; also by ventilating more freely but not so much that a cold draught will flow on the plants. By watching this part closely you will get a better texture in your blooms and a much stiffer stem, besides a far better color. If the weather is cloudy do not neglect a little crack of ventilation even if it takes an extra pipe of steam to get it. Use extra care in watering to keep the beds as near moist as you can but do not let them dry out or the size of the blooms will suffer. An application of liquid manure once a week will prove beneficial. This will be ample if the plants are as they should be at this season and if not, any quantity of liquid manure will not make them produce exhibition blooms. As the sun is getting much stronger every week now some of

the pink varieties will need a little light shade as they fade very quickly, notably Mrs. Lawson and Enchantress. It is too early to shade with a brush so I find that the best way is to syringe enough of the shading on the glass to break the glare of the sun.

When it is time to cut the blooms allow them to stand about twenty-four hours in water before packing them. Get jars about twelve to fifteen inches deep, large enough to hold fifty blooms and take some stiff paper and tie around the jar allowing it to extend far enough above the top to hold the blooms upright. This will enable the stems to take up the water freely. Be sure, though, that the flowers are not crowded and give them every chance to expand. Regarding the best method of packing for shipment, I find that it is well to use a box four to four and one-half feet long, eighteen inches wide and six inches deep, and to pack one layer of blooms in each box, cleating three such boxes together in one package. For the inside packing we cut strips of cotton wadding to cover the bottoms and sides. We tack these on, then take a double thickness of tissue or oil paper and tack over this, treating the lid the same way. We then make little pillows of tissue paper to lay under each row of blooms, working from each end, and laying a wad of wet paper over the stems and cleating the whole in the center. By following this plan the paper cannot press down on the blooms. You can nail three of these boxes together and paper the whole outside to suit the weather.

C. W. JOHNSON.

Cultural Reminders.

The past eight to ten weeks have been anything but favorable to the production of the highest grade of flowers. In our section there has been so little sunshine that the stems have appreciably limbered up and the growth has become softer than we care to see it at any time. We have scarcely had a half dozen days on which the sun was seen at all during ten weeks, and then hardly long enough to penetrate the frosty glass. We expect better weather from now on, however. It is a good thing in cases of dearth of sunshine to give the plants a dressing of wood ashes or lime, or both, at intervals of about a month. The unleached hard wood ashes should be put on at the rate of about a bushel to one thousand square feet of bench surface. Air slaked lime should be put on just heavy enough to whiten thoroughly the surface of the soil. Liquid manure may be used more freely from now on in bright weather, but in uncertain weather must still be used with considerable care, else a soft growth will result. With plants in rapid growing condition and good weather, twice a week after the middle of February is not too much.

Some varieties usually need a very light shade after February 1, especially the light pink. Among these are Lawson, Enchantress and Sunbeam, all of which burn easily. It takes good judgment to put on this coat of wash, for if put on more than enough just to break the strongest rays of the sun there is danger of injuring the vitality of the plants. The plants themselves would be better off without any shade at all for a couple of months yet, for the temperature can still be controlled by proper manipulation of the ventilators and the syringe. On bright, sunny days, when there is much air on the house, a fine spray given in the form of a gentle shower will prevent



CARNATION HOUSE OF W. L. LEWIS, MARLBORO, MASS., INTERIOR.

wilting. It is not well in such cases to have more than the usual quantity of water at the roots, but the plants should be gradually inured to more abundant ventilation, and wilting, which is never beneficial, will be reduced to a minimum. A little more water at the roots than was used a month ago, of course, is in order now. The syringe should also be used with greater freedom, for red spider should be guarded against at all times and never allowed to gain a foothold. Greater folly could not exist than to wait for traces of this pest to appear before making an effort to expel it. If the end of the hose is in skillful hands and properly used there will be little use for salt water or any other concoction to kill red spider. Stick to nature's method wherever you can. We do not like to spray plants in bloom with any kind of mixture and seldom find it necessary.

The young stock will come in for a great deal of attention now. All cuttings should be thoroughly rooted before they are taken from the sand, and it is preferable to run them a little warm right after transplanting for a week or so, say about 53° at night, until they are well started. Give them the sunniest bench, free from drip, and shade for a few days during the warm part of the day. After they have started growing the night temperature may be held at about 45°, but no lower. The object is to get a solid short growth, which is essential to produce a shapely plant. A good syringing once a week for red spider should not be omitted. After the days get sunnier twice a week will be right. A good smoking once a week for green aphid with good, strong tobacco stems or dust, will do away with the necessity of dosing the plants with a strong spray or with tobacco dust later.

Whether to grow the young plants in pots, flats or benches is a question everyone must decide for himself. When there are plenty of pots on hand, and plenty of room, pot culture for the young stock might be preferred, but the writer has always produced good plants in flats and on benches and that is the method he is using now. Either way has its advantages and drawbacks. To plant a

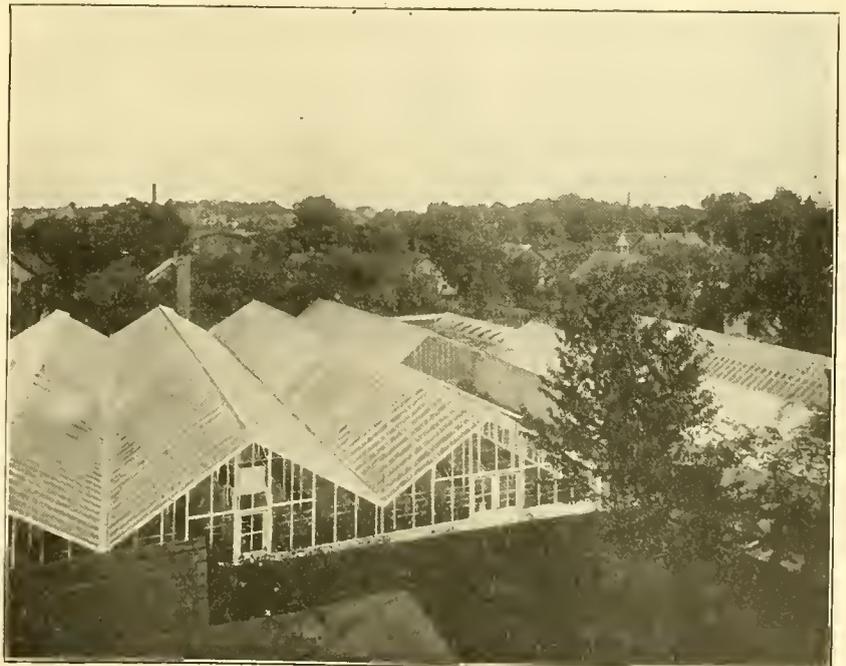
lot of cuttings on a bench now and leave them in the same position until planting out time and then destroy most of the good roots is a barbarous method. The feeding roots travel quite a distance from the plants, and by cutting the plants out with an ordinary sized ball most of these are lost. Right here is where a little brain comes in handy. Experienced nurserymen know that to transplant nursery stock every year is better than to leave it in the same position year after year, because the root pruning consequent to transplanting keeps the roots near the plants. The same principle applies to stock indoors. With us the cuttings are first planted in benches or flats from the sand, about two inches apart each way, to remain there about six weeks to two months. Then they

are transplanted into flats or pots, early enough to get them thoroughly established by the time they are removed to the cold frames. This extra handling is just what they need to keep the roots at home. By planting out time a good root foundation is secured and there is not one quarter the check that would otherwise result. At the second transplanting they are allowed three inches each way, or more, if necessary. The soil should not be very rich. A pampered growth will not stand much wear.

American Carnation Society.

We are in receipt of the premium list for the tenth annual meeting of the American Carnation Society, which will be held in Harmonie hall, Detroit, Mich., March 2 to 4. The premiums are numerous, and there are many attractive special prizes offered by prominent houses in the trade. Papers will be presented as follows: "The Management of Exhibitions," by W. N. Rudd, Mt. Greenwood, Ill.; "The Exhibition of Carnations on lines similar to those of the Chrysanthemum Society," by W. Scott, Buffalo, N. Y.; "The Maintenance of Health and Vigor in Carnations," by Robert Craig, Philadelphia, Pa. The railroads have granted a rate of one and one-third fare, and it is expected that there will be a very large attendance. The exhibition will be under the management of John F. Sullivan, and all exhibits should be addressed to him, charges prepaid, at Harmonie hall, corner of Wilcox and Center streets, Detroit, Mich. Copies of the premium list and all other particulars may be had on application to Secretary Albert M. Herr, Lancaster, Pa.

NORTH ADAMS, MASS.—The Hoosac Valley Horticultural Society, which was organized some time ago, held its second meeting February 2 at the office of A. J. Schmutz in Arnold place. There was a good attendance of the members. By-laws and a constitution were adopted and it was decided that the regular meetings of the society will be held at Pythian hall the first and third Tuesday evenings of each month.



CARNATION HOUSE OF W. L. LEWIS, MARLBORO, MASS., EXTERIOR.

WITH THE GROWERS

A Carnation House at Marlboro, Mass.



W. L. Lewis. Exterior and interior views are given on page 83, of a carnation house 110x150 feet, erected by the Lord & Burnham Company, for W. L. Lewis, at Marlboro, Mass. Mr. Lewis is a young man, being but twenty-six years of age, and his energy and ambition mark him as one of the heavy weights among the New England growers of the future. He acquired the Howe greenhouses which are seen in the extreme right of the exterior photograph, several years ago, and since then has been rapidly building up a prosperous local and wholesale trade. The local trade of Marlboro, which is an affluent city of 15,000 people, calls for 15,000 geraniums and a corresponding number of other bedding plants, winter flowering plants, lilies and bulbous flowers, etc., and the old range is devoted mainly to this material, the new house being filled with carnations, of which Mr. Lewis grows some 22,000 plants, the product of which is being marketed this season through Welch Brothers' City Hall Cut Flower Market in Boston, to the full satisfaction of Mr. Lewis, who states that he has given a trial to other methods of marketing and finds that Welch Brothers secure a better price for his carnations than he can get through any other means.

The interior view is taken from near the center of the bed and shows the house as it appeared on August 1, 1904. Mr. Lewis is a believer in early planting and a large part of his stock is raised in pots under glass. The plants are healthy and have been given an uninterrupted cutting of first-class blooms all through the season.

Among the varieties noted in a recent visit Enchantress is easily the leading attraction, producing heavily of high-grade flowers. Estelle takes high rank as a scarlet and is very satisfactory. Morning Glory makes a good record as to number of blooms produced but is decidedly unhealthy and this is its last year. Flora Hill is seen in considerable quantity, but its days are also numbered as are also those of Gov. Roosevelt, which will be supplanted by Harry Fenn.

Governor Wolcott has been eminently satisfactory and is regarded as indispensable. Although grown with a temperature never exceeding 50° to 55° at night it shows no disposition to split its calyx. Lawson, Prosperity, Manley, Golden Beauty, Queen Louise and other popular varieties are all grown in greater or less number and with good returns. The usual corner of home-made seedlings is in evidence. One white seedling, the progeny of Mary Wood x Flora Hill, has successfully passed through its three-year preparatory course and is to be exploited in the exhibitions the coming season.

The propagating house, a lean-to on the north side, is filled with rooted cuttings. Here as throughout the place a moderate temperature and abundant circulation of fresh air is observed. Close disbanding and scrupulous cleanliness in every particular attest the efficiency of Mr. Cooper, the foreman. The big house with its several gutters, one of the first of its pattern in this section, gives perfect satisfaction. It is equipped with the

Chadborn automatic ventilator, the glass is laid with the long way horizontal and the heating is by two Lord & Burnham sectional boilers.

Piping for Greenhouse.

ED. AM. FLORIST.—How much 1¼-inch pipe will I need for a 17x120-foot house with a three-quarters span running east and west, the walls and ends to be boarded and shingled, front wall four feet high and back wall six feet high, from ground level to the ridge pole ten feet. The glass will be butted. I will use hot water for heating with a twenty-five horse power locomotive boiler which has thirty-eight 2-inch tubes. The night temperature required is 70°. It rarely goes below 16° below zero in this section. I have a house 12x100 running north and south, glass lapped, heated by 2-inch pipe, five flows and five returns. Will the two houses, the new and the old, be too much for the boiler in cold weather?

E. J. B.

It is not advisable to use pipe as small as 1¼-inch for a house more than 100 feet long. It will be far better to use 2-inch pipe for the coils in a house 120 feet in length. To maintain a temperature of 70° under the conditions named there should be three 2½-inch flow pipes and twelve 2-inch returns in three coils. One flow can be in the center of the house and the others upon the plates. The flows may be partly upon the walls or all may be under the benches, according to the arrangement of the houses.

L. R. T.

DOBB'S FERRY, N. Y.—A regular meeting of the Dobb's Ferry Horticultural Association was held in Odd Fellows' hall, Saturday, January 30. There was a large attendance. The evening was devoted to the making of a new schedule for the fall show. A prize was given by S. Bradley, gardener to O. J. Smith, for the best foliage plant in a 6-inch pot, which was awarded to Mr. Fisher for a dracæna. Other competitors were Mr. Kasberg and Mr. Boreham, who staged Pandanus Veitchii and Aspidistra variegata. S. Bradley staged a fine specimen of Pandanus Sanderi. Thomas Lee is to give an essay at the next meeting.

J. B.

PLANT NOTES.

For Week of February 13.

Gladioli.—A batch of gladioli may be planted now if any early flowers are needed. Plant them about two feet apart along the north edge of a carnation bench; the foliage is not heavy enough to harm the carnations. Corms that were forced last year are all right to force again, for the mild heat to which they are subjected does not impair their vitality; in fact we have found that the corms that have been forced the previous season will come into bloom several weeks earlier than fresh ones. Plant them just deep enough to cover the tops of the corms.

Smilax.—If the smilax bed is to be renewed next summer the seed should be sown at once. Keep the seed boxes in a rather warm place until it germinates, and pot off as soon as two or three leaves have been developed. A little later, if pressed for room, the small plants can be shifted to 3-inch pots and placed in a mild hot bed, where they may remain until they are planted out in June or July. Keep the plants in the beds well syringed to hold red spider and thrip in check, and do not subject them to heavy tobacco smoke for it burns the vines. A few weeks after a section of a bed has been cut, cleaned off and started into growth, a light mulch of well rotted cow manure will be beneficial.

Cytisus.—Cuttings of *Cytisus racemosus* root readily in the sand now. Take the soft end growths before the buds have formed and insert them into the sand in a moderately warm part of the propagating house. When rooted pot off and keep them growing on, shifting as needed. During the summer they can be plunged outside in a frame, topping them at intervals of a few weeks. The old plants for Easter flowering had better be kept in a temperature of about 50° at night to have them on time. They are of little value after Easter, neither is there great demand for them before that time, and since the flowers last only a few weeks, care should be taken to have them just right for Easter, so as to make the crop profitable.

Cannas.—The seed of cannas should be sown now to make good 4-inch stock by



NEW DELIVERY WAGON OF GRIMM & GORLY, ST. LOUIS, MO.



Uncle John.



Madame Chatenay.

TWO POPULAR ROSES AT PETER REINBERG'S ESTABLISHMENT, CHICAGO.

the first of June. They come quite true from seed and the stock of desirable varieties can easily be increased by this method. Soak the seeds in hot water for about twenty-four hours before planting and, holding each seed firmly in a pair of pincers, file a small portion of the hard surface off; otherwise it will take the seeds all eternity to start. Started in this manner, many of the seeds will germinate in a few weeks and should be given small pots when they are three or four inches high, shifting to 4-inch when it is necessary. Keep the seed boxes in a warm place until all the seed has started, for it will probably be several months before the last seed germinates. The old clumps under the benches need not be started for another four weeks.

Verbenas.—The first of February is the proper time to sow the seed of verbenas. If they are sown much later than this they will hardly come into flower for Memorial day. Sow them in rather light soil, and when they are sufficiently large to handle transplant into flats an inch apart. As soon as they are large enough pot off into 2½-inch pots and keep them growing in a temperature of about 50°. Grown from seed they are less subject to mildew than when they are propagated from cuttings. For keeping the varieties true to name, however, the latter method is to be preferred, and now is the best time to propagate them. About the first of March the small plants can be transferred into a mild hotbed, for at this time the pressure for room in the greenhouse becomes serious. While they are in the hotbed they will grow quite rapidly, and for this reason they must be handled over several times or the roots will ramify too much in the manure, thus producing a rank growth which quickly wilts when they are taken from the bed and offered for sale. Whenever they are handled over

all the roots on the outside of the pot should be removed. The stock plants which are now in 2½-inch pots should be shifted to 3-inch about the first of March, and they will make excellent stock with a number of flowers to the plant by spring. G.

Roses at Peter Reinbergs.

Madame Abel Chatenay is one of the best roses on the Chicago market and it is increasing in popularity each year. It produces strong, straight stems and every flower is perfect in form and color. Peter Reinberg is having great success with this rose. It is easy to grow and very seldom mildews. Plenty of ventilation and a temperature of about 58° are the requirements. The accompanying engravings show the Chatenay and Mr. Reinberg's new rose Uncle John. The latter is a sport from Golden Gate and originated at Peter Reinberg's greenhouses about three years ago. It is taking a great hold as a popular and successful commercial rose. The new variety is more pink in color than Golden Gate and unfolds its petals on the order of Bride and Bridesmaid. It is a wonderful producer and has its parent beaten on that score, says the owner. Uncle John, which was named after the renowned Chicago horticulturist, "Uncle John" Thorpe, was awarded a special prize of \$40 at the Kansas City exhibition a year ago. C.

LENOX, MASS.—Geo. Ferguson, superintendent of the F. A. Schermerhorn estate, was married in Michigan on February 3, and is now on the homeward end of his honeymoon trip with his bride. Last reports located him at Washington, D. C.

CHRYSANTHEMUMS

Marquis de Pins.

I notice in the report of the Paris chrysanthemum show, which appeared in the AMERICAN FLORIST for December 12, a slight misprint which it is important to correct at an early opportunity. The Marquis de Pins, a new raiser of seedlings, is in that report referred to as the Marquis de Paris. The correction is necessary, because anyone who saw that gentleman's new seedling chrysanthemums at the Paris show could not fail to be struck with the remarkable quality of his exhibit, and also because we are almost certain in the course of the next season or two to have an opportunity of seeing at our shows some of the novelties this gentleman has raised. Such quality cannot possibly remain outside the pale of American and English collections.

Concerning the new grower a few notes from Le Jardin, of Paris, are interesting. In a recent issue of our Parisian contemporary an excellent portrait of the Marquis and a biographical notice appear. It seems that this gentleman has only been a grower of the flower for a few years, and as he lives in a district peculiarly suitable for seedling raising, it was not long before he made attempts in that branch of chrysanthemum culture. He showed his first blooms at Toulouse in 1900, then the next year some at Montpelier, in which town the next exhibition of the French National Chrysanthemum Society will be held in November of the present year.

In 1902 he exhibited at the Paris show, where he won a gold medal and several certificates. And again in 1903, at which show the writer had the amplest opportunity of examining these wonderful

samples of cultural skill. There was something about these new seedlings that struck one as being unique. A large display of big, heavily built Japanese blooms of the greatest size and substance is not an ordinary feature at a French chrysanthemum show, except perhaps in the case of a grower like Ernest Calvat. But in the case of the novelties staged by the Marquis there was a distinctive mark of high cultivation, combined with great originality of form and color. Every variety shown was represented by five colossal blooms. In 1902 he was awarded nine first-class certificates for varieties that were also included in his 1903 exhibit. In 1903 fourteen other varieties were awarded this distinction, and they fully deserved the recognition they obtained.

Where weight and solidity are required, and this is especially the case in such classes as the big vase class at the English N. C. S. show, these novelties will be invaluable to exhibitors. High class quality and liberal culture will result in the production of blooms that it will be hard to beat. In course of time it seems probable some of these novelties will find their way to America, although it was stated that the raiser only grew for his own pleasure and did not intend to sell them. A brief mention may therefore be useful to any growers in the States who are interested in the introduction of new chrysanthemums. Only those that have been certificated by the Paris floral committee are named, viz.:

Baronne Renee Reille.
Belle L'Isloise.
Mme. Marie Carrel.
Mlle. Rose d'Elchingen.
Mme. Brejau.
Souvenir de Bruxelles.
Vierge Monbrunoise.
Triomphe de Montbrun.
Souvenir de la Comtesse Reille.

The above are of 1902. Those of 1903 are:

Nyphon.
Poupoule.
Angele.
Behe.
Rose.
Anne-Marie.
Germaine.
Baron de Labusquiere.
Charles Bacque.
Marquis de la Motte St. Pierre.
Mlle. Lasies.
Souvenir de Lombou.

It has often happened that fine American varieties have failed to accommodate themselves to European culture and vice versa, but from a recent critique of some French varieties in America there appears to be some hope that there are varieties from this side of the Atlantic that will do well in the States. If this applies to any of those raised by this new grower, there will be agreeable surprises in store for those who first undertake the culture of them. P.

Piping For Greenhouse.

ED. AM. FLORIST:—How many runs of 2-inch pipe one hundred feet long will a 5-inch main feed, the first feed to be four 2-inch pipes twenty feet from the boiler and the same every seven feet thereafter?

R. L. D.

Thirty-two can be reckoned on with safety and with an elevated flow and the returns well above the boiler, from twenty-five to fifty per cent more can be carried.

L. R. TAFT.

Greenhouse Building.

Hortonville, Mass.—Horton Brothers, two vegetable houses.

Little Neck, L. I.—W. K. Vanderbilt, Jr., six conservatories, each 20x250 feet.

THE VIOLET.

Structures for Violets.

There are a good many ways to grow violets. Some grow them in any old place; others cannot grow them even in good houses. I consider we have always grown the best violets in solid bed houses. In preparing for a house, dig out the walks and put the soil from them in the beds. Dig deep enough so you have your paths low enough. It is well to have them two and one-half feet below the beds. Use a five-foot locust post. Sink it two and one-half feet in the ground, and two and one-half feet will remain for the bench support. Of course space must be figured on for good violet soil. Make the paths the desired depth the first year. Don't make the beds one board high, and then add one board each year until you have them the right height. This costs money for longer posts every time you make them higher.

After you have the posts set nail hemlock boards, planed on one side, to the posts, to support the beds. Some use 2-inch spruce plank, which is better, but more expensive. Our houses run east and west, even span, and we find them much better than the three-quarter span. We use 15-inch glass, put in lapped on ground cypress bars. We find the heavy bars the best, about one and one-quarter inches wide and two and one-half inches thick, as heavy braces are not needed. A truss rafter is sufficient to hold the roof. We have continuous ventilation on both top and sides of the house. Be sure and have the ventilation on both sides of the house at the top, and when the wind blows from one quarter you can ventilate from the opposite. We have two 4-inch flow pipes overhead, under the ventilators, which is a great benefit to the middle bench, as when ventilation is on the chilled air doesn't strike the plants. We have two 4-inch return pipes hung on each side of the house over the side beds. Use locust posts for the house. Saw them on the pitch of the roof, then nail on the slating and go ahead with the house. Have slide ventilators about two feet wide and any length that may be desired hung under a 3-inch pipe, the same thickness nailed under the plate. If a beginner follows these instructions

he will have a good and not too expensive house, as solid beds to start with are much cheaper than raised beds, and as I stated before far superior.

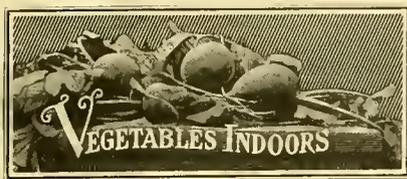
ALEX. A. LAUB, Jr.

The New Jersey Floricultural Society.

The regular monthly meeting and exhibition of the New Jersey Floricultural Society, the first competitive one for 1904, was held on Friday, February 5, at Oceanic, N. J. Orchids *Laelia anceps* Stella, *Oncidium Forbesii* and *Cœlogyne Micholettii*, from the houses of William Barr of Llewellyn Park, grown by Arthur Bodwell, attracted attention for their variety, beauty and skillful cultivation. The last two were of last year's importation, it being a very difficult thing to secure bloom the first season. The cyclamens in pots from the houses of Wm. Runkle, grown by D. Kindsgrab, were perfect in form and beauty of flower and foliage and received 95 points. The judges for the evening were Harry O. May and Jos. B. Davis. Vases of The Bride carnations and Gen. MacArthur roses, exhibited by John N. May, on attention being drawn to the fact that they were not entered for competition and had already been certificated by the society, received a unanimous vote of thanks. Topics discussed all bore upon the contest and were: "Adherence to By-laws in Elections," "Standards of Judging," "Award of Certificates," "Selection of Judges" and "What Constitutes a Gardener." It was decided to adhere strictly to the by-laws, to leave judges untrammelled, using due care to select competent men, and to guard certificates so when they were given they would be valued. Pres. Geo. Smith announced that provision had been made to award prizes, the exact number not having been determined, and explained why the committee had formed two classes that the younger members might feel secure of their share of prizes. One new member was nominated. Letters from the Tarrytown and New York Florists' Clubs were read and attendance upon the carnation night of the last urged by Joseph A. Manda, who stated that while ladies had been invited for that night the "canteen" would be operated "on the quiet," for he was on that committee. Jos. B. DAVIS.



MARIE LOUISE VIOLETS AT ADAM LAUB & SON'S, HUGHSONVILLE, N. Y.
(Flowers picked from these 2,400 plants for Christmas numbered 7,200; picture taken December 23.)



Notes of the Growers.

George M. Kendall, of Leonminster, Mass., one of the largest vegetable forcers of the state, is making the experiment of setting cucumber plants farther apart than usual. Most of the cucumber growers set their plants from fourteen to thirty inches apart but Mr. Kendall regards four feet between the plants as not too much for best results. He grows his cucumbers on mackerel nets in place of wire on account of its cheapness and ease of removal when clearing the houses. His largest house is 80x250 feet.

Most of the large vegetable forcers in New England sterilize all the soil used in their houses.

A swarm of bees in the greenhouse will do the work of fertilizing cucumber flowers much more thoroughly and in much less time than is possible by manual labor.

A bushel of cucumbers to the plant is a fair average for a greenhouse cucumber crop.

W. W. Rawson, the extensive grower of vegetables under glass at Arlington, Mass., regards the question of labor saving as the greatest problem at present confronting the vegetable forcer. It is thirty years since the first greenhouses were established in the vicinity of Boston for vegetable growing and since then the increase has been remarkable, and the improvements in greenhouse building and heating during that period have been taken full advantage of by the market gardeners.

George Matthews, of Great Neck, L. I., has eight large middle benches sown with sweet peas planted two rows in a bed; and between the rows are sown radishes which he sends to a commission man in New York, getting 4 cents a dozen for them.

Cucumbers for Forcing.

ED. AM. FLORIST:—I am thinking of putting cucumbers in one of my greenhouses. Will you kindly inform me what are the best kinds for forcing and whether it is necessary to have bees? I have had good success with the English forcing, but some claim it is better to have bees for White Spine. F. H. R.

The forcing of the various types of White Spine cucumbers does not greatly differ from that of the English forcing varieties, but there are some points of difference worth noting. The English varieties need some shade, the American sorts require practically all possible sunlight, at least during the colder months. The White Spine section have a tendency to ripen up their crop much quicker than the English sorts and require artificial pollination to secure satisfactory results; we find the English varieties set fully as well when not fertilized in winter. A good selection of White Spine offered is that known as Improved Arlington, and can be procured from all reputable seedsmen. This is relied on almost exclusively in the extensive cucumber forcing establishments in Arlington, East Mansfield and the vicinity of Fitchburg, Mass., which send large quantities to New York in addition to supplying the Boston markets. It is an undoubted fact that

the White Spine varieties need artificial pollination of some kind. Bees are used in not a few places, and with excellent results. If F. H. R. can secure a hive we can guarantee him a good set, other conditions being right. Other methods of pollination adopted are shaking the wires to disseminate the pollen about noon on bright days when the atmosphere is dry, and hand pollination by means of camel's hair brushes; if bees, however, are procurable they will prove the most satisfactory. Remove them from the house when doing any fumigating. Of the English forcing varieties we can recommend the following as being first-class: Telegraph, Improved, Peerless, Matchless, Lord Roberts and Sensation. These are as distinct an advance over varieties grown a generation ago as are the improved White Spine cucumbers now grown compared with those cultivated even a decade ago.

W. N. CRAIG.

Stem Rot and Its Probable Causes.

[Paper read by Peter Fisher, of Ellis, Mass., before the New York Florists' Club, February 8.]

Mr. President, members of the New York Florist Club and friends—In looking up a subject for a short paper on the carnation to read before you tonight, I thought nothing could be more appropriate at this season of the year than "Extremely early propagation as related to stem rot and its probable causes," including a few suggestions as to a means of preventing or minimizing the ravages of this, the deadliest of all carnation diseases. During the past summer stem rot has been most prevalent in the east, especially through Long Island, central New York and Pennsylvania, many of the largest growers losing their stock by the thousands both in the field and after being planted indoors, and the financial loss being extremely heavy. That climatic conditions had much to do with this there is no doubt and with outdoor culture we in future years will be just as liable to a recurrence of the disastrous results of the past season. This suggests to me the question, wherein lies the remedy? During the past five years or so you have doubtless observed the growing tendency towards earlier propagation and planting. Six or eight years ago early August to September 20 was considered about the right time to bench carnations from the field. The method as adopted at present is July planting from the field, finishing as early as possible in August. In some cases indoor culture is almost exclusively adopted, usually benching in May and June and where space is available I have known some cases where the plants were benched in February with splendid results. I was much interested on looking over an old trade price list of Fred. Dörner's (that veteran carnationist to whom we owe so much) to find him offering his novelties with distribution commencing April 1. Think of it! What do we find today? Nearly every buyer wants early January delivery. Some will gladly accept their cuttings in December and should orders remain unfilled until March 15 they are liable to cancellation. The points I want to bring up are these: Is this increasing tendency towards extremely early propagation and planting for or against the best development and longevity of the carnation, and is there not in this a probable cause for so much stem rot, especially where field culture is practiced?

Where the intention is to adopt indoor culture entirely I believe in early propagation, potting off the cuttings in January or early February commencing with 2 to 2½-inch pots and re-potting into 3 to 3½ or 4-inch as the case requires, but never allowing the plants to get stunted or pot-bound. Such early stock ought to be benched not later than May and if space permits April would give better results, insuring strong root action before the extremely hot weather sets in. Cuttings taken a month later can be benched during May and June. This method has many advantages over planting January stock in the field during April or early May and then lifting and benching it in July, because those early cuttings often get pot-bound and stunted before being planted out, the balls being full of roots become hard and should

the weather be warm and dry, for some weeks after planting they dry out and wilt. This condition, followed by heavy rains, is the first step towards a severe loss from stem rot, as the plants are in no condition to absorb this surplus of moisture. A later batch of the same variety that has not been pot-bound and abused before being planted out, will pull through often with little loss while cuttings of the same sort potted off, say, in April and set in the field will often make better stock than either of the earlier lots with little or no loss from stem rot. This proves to me that much of the trouble is caused from the stock being allowed to become stunted, pot-bound and abused before being planted out,—and herein lies one of the greatest dangers in extremely early propagation: If you do not intend this stock for early planting in-door culture it is much safer to use a later lot of cuttings for planting out, and benching during July or early August. My experience has been, if a batch of cuttings once get extremely dry and wilted, either in the sand or after being potted, or put in flats, it is better to throw them away. They never recover from the check and are sure to be a source of trouble and disappointment later. Avoid extremes. I believe for field-culture February and March cuttings, preferable to December or January stock and if you cannot house your stock before August, cuttings taken from the sand early in April will give grand results. Of course this refers to good, free growing sorts. Some that develop more slowly need earlier propagation and planting.

The one great drawback to indoor culture with the average florist is, he cannot afford to throw out plants that are giving abundance of bloom at a minimum cost of production during the early summer months. Yet I believe the time is not far distant when, with properly constructed houses, the carnation (like the chrysanthemum) will be grown indoors exclusively. There is too much risk attached to planting out in the field new and valuable stock to be at the mercy of our variable climate and the experiences of the past will only tend to spur us on to devise means by which we shall yet overcome the difficulties and uncertainties of our present mode of culture.

I believe for all indoor culture, the best places are wide houses running north and south, even span, thirty-three feet wide with five benches, each four feet wide. (This admits of a better circulation of air than can be obtained on a five-foot bench.) Height of sides five feet, three feet being glass; ridge, fifteen feet in height with continuous top ventilation on each side, thirty feet in width, also side ventilations (to be used judiciously). You will find a house running north and south much cooler and better during the hot summer months than one running east and west and all things taken into consideration, the loss from this aspect during winter is scarcely noticeable in a large, light structure.

We and Our Field.

[Read by Wm. J. Stewart before the Florists' Club of Philadelphia, February 2, 1904.]

A transposition in the title of this dissertation might betoken a commendable modesty. The typical gardener or florist has, however, always been a somewhat aggressive and self-complacent individual. Like the Ayrshire farmer and his wife, one is "Aye richt" and the other "Never wrang." Even before that memorable uprising which resulted in the establishment of our powerful National Society—when our interests in all horticultural activities were usually subordinated to those of the farmer and the fruit nurseryman—even then the Shibboleth of the craft was "Wha's like us?" "Naebody," and the less a man knew the more emphatic oftentimes his declaration. I once read of an encounter on the Delaware between a magnificent steamer and a grimy coal lighter. Officer: "Clear out of the way with that barge." Lighterman: "Are ye the captain av that vessel?" Officer: "No." Lighterman: "Then spake to yer equals; I'm the captain of this." The gorgeous self-sufficiency of some of our old-time champions overshadows that of some of her chesty rivals, and since the race is yet far from extinct we shall, in conformity to usage, talk first of ourselves, then of our field and how we may cultivate it.

That we have some basis for our pretensions, the vastly enhanced prominence which our art and its literature (not to

mention our sporting prowess) have attained during the last two decades stands in evidence. The deduction that we are destined to become of yet greater consequence will doubtless pass undisputed, but mere theoretical conclusions have little value, and these boasts of future ascendancy which we have a habit of making are often little more than hollow generalities in support of which, if pressed for a specific forecast, we might find it difficult to put up a convincing argument.

Recognizing in ourselves the connecting link between the past which we know and the future which we know not, it is healthy to ask ourselves often how well we are filling the places of the sturdy pioneers whose heritage we enjoy, and to make it our constant aim to so shape our course that posterity shall see in us a pattern to imitate and not an example to deter. If we are to prove worthy successors of a distinguished ancestry, the mastery proficiency of Harris, the sagacity of Henderson, the noble simplicity of Cardage, the intensity of Menand, the tenacity of Wood and the sunny kindness of Halliday must find their counterpart in the leaders of today and we should strive that nothing be lost either in amplitude or potentiality of the eminent qualities so well exemplified in the character and lives of these honored men.

Our reverence for old age should, however, cease at the door of the rose cellar and, while we should emulate the example and recognize the genius of the old masters, there are problems arising daily, as new elements intrude themselves within our sphere, which bring us to a realization that while the principles actuating them were of the sterling kind, success today may demand a somewhat different application of them. We have with us now the Greek who cares not whether plants are fed on water or on carbolic acid but who, after six months in our country knows the cut-flower market better than do many of our craftsmen who have spent a lifetime in the business, and, on the other hand, we find the man who can grow violets or carnations of a quality hitherto undreamt of, but who somehow cannot understand why blooms with whiskers on them can't be sold at Christmas for three times what they were worth three weeks earlier, before their whiskers started out. Where shall we strike the balance between the dear soul who loves his profession more than its emoluments who can say, in all truth

"Thou source of all my bliss and all my woe
Thou found'st me poor at first, and
keep'st me so."

and the latter-day flower-factory man in whose transactions sentiment has no place, to whom a blossom is handsome only when going out of the door on the order of a cash customer, and who would not hesitate to accelerate with a brisk movement of his boot the exit of any flower, however beautiful in itself, the moment it should transpire that there was no pecuniary profit in it?

I am persuaded that a godly portion of the comfort and joy of a horticulturist's existence comes from his gregarious instincts. One of the most forlorn creatures in the world is the gardener so isolated that he is prevented from associating with his fellow gardeners, and almost pathetic is the keen delight evinced by one long shut out, when circumstances bring him in contact with old friends in the profession, "drinking it all in and life never seemed so full before." Study this marked characteristic of the craft and you will discover that the most contented as well as most progressive florists are usually found in those communities where ample facilities are afforded for flocking together. Thus the cohesive influence of our fraternal institutions is a boon which we should, in this era of specialization, prize most highly. Its value as an offset to the disintegrating forces now at work can hardly be overestimated. It begins to dawn upon us that the S. A. F., with its stimulus to the fraternal sentiments, came upon the scene at a most opportune time, and we applaud the rare discernment shown by her Philadelphia offspring in respect to providing abundant inducement for comradeship which has its timely reward in the unparalleled prosperity which this club enjoys and is sure to continue to enjoy, at least so long as John Westcott's buffet keeps on doing business.

Our field—It is a big field and a fertile one, as wide as vegetation extends, as broad as human sympathy, as deep as roots can penetrate the earth or love the heart, as lofty as the tallest trees can grow or noble sentiment aspire, a field in which to cultivate the intellectual fac-

ulties as well as material vegetation. Ours is a calling more ancient and honorable than any other pursued by mankind, whose mission it is to soften the asperities of life, to develop the best in humanity and clothe the world in beauty, whose adherents are fellow workers with Nature herself, "God the first garden made, the first city, Cain."

Are we occupying this fair field to fullest advantage? To do so we must be wide awake to its broader possibilities and take care that narrow vision and trivial controversies are not permitted to limit and monopolize our attention. The great expansion of our business and the influx of capital in certain branches have brought about changed conditions and evolved new problems. How shall we meet them? How successfully elude perils that seem to threaten and which especially concern those working hitherto on a small scale and subject to that most uncomfortable disease, lack of money? Our development has been so many-sided and on such varied lines that our aggregate interests, at first simple and closely akin, now rapidly grow complex and diverse. Thus disintegrating forces lead us into divergent paths, the circles widening as our diversified branches multiply. We see the situation through dissimilar eyes until

"'Tis with our judgments as our
watches—none
Go just alike, yet each believes his
own."

Admitting that no two of us are likely to quite agree in what direction the great quest measure of well-being presents itself, it seems to me that those who have cultivated broad habits of vision, who have perceived their business not so much in its essence as through its effects, will agree that the time has gone forever when things can be successfully run as the foolhardy skipper sailed his schooner "by luck, by G—d and the moonlight" and that insight, economy and foresight are three cardinal virtues to be henceforth zealously cultivated by the florist, whatever his particular line may be.

Without trespassing too far in the direction of special questions, which I have purposely avoided in this paper, let us for a moment turn to that most vital problem of the cut-flower industry, the distribution of the produce. At the recent holiday time we read from sundry suburban and country papers that the scarcity of flowers for Christmas was unprecedented. "On Christmas eve there was not a rose or carnation of any kind to be purchased in the city" was a sort of stock item all along the line. Why is it that we find florists reporting a holiday famine in towns within an hour's ride of New York city while growers' cellars and wholesalers' refrigerators are bulging with unsold stock and perchance the curbstone stands in the city heaping with flowers of varying ages at a few cents a bunch? In reply to that question we shall avail ourselves of the Yankee's birthright and answer by asking another—"Why a higher price on flowers at Christmas?"

I take it that in a profession so comprehensive in scope, no necessity exists for long-continued over-production on any special line. If fortune be unstable our will is free. When you find yourself over-crowded and jostled in your specialty, just watch your opportunity and move up. There is always room at the top. No place is so well conducted that some material increase in efficiency is impossible; no plant or flower now popular so universally well grown that somebody cannot do it still better. The list of good subjects as yet in obscurity that may be made popular is practically unlimited and there is abundant latitude for talent and industry in the establishment of improved strains of scores of things that have thus far scarcely been touched. As wealth and refinement increase the demand for conservatories grows apace; well-grown stock for the filling of such places, in the hands of a well-managed concern, is as good as government bonds. So rapidly has this fever for beautiful home grounds and gardens spread in this country that the call for choice planting material far exceeds the stock available here, and even foreign sources are being rapidly denuded. Only a few days ago a friend desirous of constructing a rose garden complained to me of inability to procure the stock he required. Choice lilacs on their own roots, well-grown conifers in reliably hardy varieties, nursery-grown kalmias and similar things are wanted. Where are they? Where can the stock for one substantial plantation of hardy rhododendrons, or for a house of foreign grapes, or good plants

of the finer peonies, in a business way, be found?

Every sign points to a glorious opening for the immediate future for the intelligent gardener with high aspirations and a determination to excel. There is scarcely a line, no matter how unpromising it looks, that will not respond in a profitable way when you put brains into it. While it is true that the worst bowler on the alley may some time make the first ten-strike in the game, and that the chance hybridizer may turn up a carnation or a chrysanthemum that will sweep the field, yet it is a safe proposition always that in the long run the expert will distance the common throng. The young man who takes up horticulture as a calling today, if endowed with common sense and zeal, will not be content to settle into any branch, however lucrative for the moment, which offers the novice an even chance to locate at his elbow and become a dangerous rival. Think you that Peter Fisher lies awake nights fretting over the possibility of somebody showing up to skim the cream of his carnation milk? Tom Roland can sell ten times as many Lorraine begonias as he can produce, year after year. M. H. Walsh hasn't seen rose hybridization run into the ground just yet, and Tom Butterworth will be a centenarian before he sees a flower-factory able to compete in his specialty of orchid growing. Numerous similar illustrations of my point might be cited and will no doubt come to the minds of all.

Most powerful of agencies in the elevation of our craft is our professional press. The vastness of its contributions to the sum total of our knowledge is already far beyond our comprehension. Pregnant with helpful suggestions, reflecting in its reading columns current thought and progress, and in its advertising columns the limits of our commercial enterprise, it shows us where we are and points to what we may attain, and those of us who do not recognize nor heed the benefits the press brings within the reach of all must surely fall behind. Perhaps contributors are now and then prone to forget or underestimate the responsibilities of authorship and the bemasked would-be regulator,

"More peevish, cross and splenetic
Than dog distraught or monkey sick," has been known to debase its columns with ungenerous personal reference, but these are the exception. As to the use of a *nom de plume* it may be all right and even desirable when its assumer busies himself with impersonal questions or general principles or in a controversy with another of his kind, but how can anyone making a claim to manliness ever indulge in skulking ambushed criticism by name of a fellow florist?

Long familiarity with horticultural clippings leads me to feel that florists err in not making better use of the avenues for desirable publicity provided in the public newspapers. Much of the information unwittingly gleaned by these journals is undesirable and positively injurious to our interests. As a help to progress and popularity we should see to it that the floral news which reaches our patrons is something better than the immense profits in floriculture and the exorbitant prices of flowers, something more edifying than fried chrysanthemums, weird Mexican plants that will make a man forget his way home at night and so on. When a wedding occurs, instead of a half a column or more devoted to accordion-pleated crepe de chine, fawn colored taffeta, aigrettes, toques, bodices,

"Chiffon and lingerie
(Whatever that may be)."

and six or eight lines to the floral decorations, cannot we have the space reversed, thus helping to make the press a "soul-elevating agency" as our friend Smith would say, and placing our art on its proper plane?

We want the people with us. The recent christening of a rose at Detroit was a broad benefit to the business at large and its influence in this direction far transcended whatever financial advantage might accrue to the introducers from the publicity gained. We want the impression to take deep root among the common people that one of the first requisites to a happy life is a home with a garden and an abundance of flowers everywhere, on all occasions, that no incident of life is quite complete without the presence of these things in one form or another, that there is nothing more worthy of a place in the heart and home than the flowers and no more honored occupation among the industries of a community than that of the florist.

And here your essayist meets the fate of the Scotch minister, who, on reaching the last page of his sermon, said, "But I will not enlarge," and an old woman in the gallery cried out, "Ye canna, ye canna, for yer paper's give oot!"

THE RETAIL TRADE

Georgia Coat of Arms.

The arch of this design was made of white carnations and Roman hyacinths. The cross piece was of pink and white carnations, Easter lilies and Roman hyacinths. The three columns were made of pink carnations and Roman hyacinths. The lettering was all done on tulle, "Constitution" on the top, "Moderation" on the right post, "Justice" in the center and "Wisdom" on the left post. The center of the base was solid in Paper White narcissi with Bridesmaid roses, Easter lilies and asparagus in each bank on the right and left ends of the base. The whole piece was trimmed with maidenhair ferns. The design was eight feet high and was sent by the governor of Alabama and other state house officials to the funeral of Gen. John B. Gordon. It was made by the C. A. Dahl Company of Atlanta.

Flowers at Whitney Funeral.

In writing my article for the week I think of nothing more appropriate than the magnificent tributes sent to the funeral of William C. Whitney. Such a wealth of floral pieces is seldom seen. Nothing but the choicest of everthing was used. One standing wreath consisted of *Phalaenopsis amabilis* and *Cattleya Schilleriana* with a base of lily of the valley. Another immense wreath five feet across was formed entirely of lily of the valley and superb cattleyas. There were several other large pieces, all over six feet in height, including wreaths, anchors and a cross made entirely of bronze galax and violets tied with broad sashes of light purple ribbon inscribed with the names of the several jockey clubs that sent them, blue and brown being the racing colors of Mr. Whitney. A wreath entirely of *Gardenia Florida* was a marvel. The casket cover was cattleyas and lily of valley. There were several other pieces well worth a description, and it was difficult to say which was the handsomest. The work represented all the leading florists of the city.

I saw an extremely handsome presentation basket last week made with American Beauty roses and Easter lilies. The basket, about thirty inches across, was of green wicker work with a high square handle. The roses and lilies were arranged on either side, low in the center and rising gradually to the top of the handle. The ribbon used was a pale green watered silk and blended beautifully with both flowers. The table decorations at the same function were quite simple. *Azalea Vervæneana* were cut down and arranged loosely in large silver urns. No other flowers or green were seen on the table. The effect was severe but thoroughly in keeping with the surroundings.

A mirror decoration in the same house was rather odd. A semicircular bed of tulips, hyacinths and jonquils was planted on the floor in front of the mirror, giving the effect of a large round bed. *Asparagus plumosus* formed an arch over the top of the mirror.

THE ARTIST.



GEORGIA COAT OF ARMS IN FLOWERS.

(By C. A. Dahl Company, Atlanta.)

Chicago.

At last a tiny break in the clouds which have kept the local trade conditions in gloom for several weeks. It is a relief to report that business is improving, both with the wholesalers and city retailers. From a shipper's view, the last week was all that could be asked for, and prosperity in that department is pretty general among the wholesalers of this city. Everything in roses remains short and shippers have been kept at their wits' end to meet the call of their customers. Good American Beauty roses are very shy, as are Liberty, Meteor and all reds. Carnation receipts about keep apace with the demand. Carnation buyers are now in great glee, as the best of stock can be bought for poor quality prices. Tulips are now coming in at their best. All lilies are showing good form and quite a brisk demand for them is noticeable. Bulbous stock is generally slow sale, except *daffodils*, which have been kept well cleaned up at an average of \$4 per 100. The fern business has not been active for some time. *Smilax* is selling well and at good prices.

Preparations for the next club exhibition at Handel hall, Wednesday, February 17, are progressing with vigor and dispatch. The public will be admitted by card from 2 to 4 p. m. As previously announced the banquet will be dispensed with, as many members wish the exhibition held open during the evening. The annual banquet will be held at some future date, probably in connection with one of the exhibitions.

A large delegation from this city is expected to attend the Detroit carnation show March 2-3. P. J. Hauswirth, who was appointed by the club some time ago to attend to the matter of transpor-

tation, reports that he has secured a rate of one and one third fare for the round trip via the Wabash. The party will leave Chicago on Tuesday afternoon, March 1, at 3 o'clock.

Frank Garland has leased a room on the second floor of the Atlas block and will move from his present quarters May 1. Michael Winandy will also have floor space in the room. A large drug house has leased the basement now occupied by Mr. Garland.

The Florists' and Gardeners' Union is making an effort to secure union wage rates for the gardeners in the West Side parks. They sent a committee to a recent meeting of the West Park board to make application for the same.

Frank Lockyear, formerly with Frank Garland, met with an accident Friday, February 5. He slipped and fell from an icy step at his home and was badly bruised, necessitating confinement to his home for some time.

The next and last sectional meeting of the Florists' Club will be held Saturday evening, February 13, at Drexel's cafe, corner of Cottage Grove avenue and Thirty-ninth street. A large attendance is looked for.

A bursted water pipe caused a miniature flood in the basement wholesale store of J. B. Deamud on February 6. Fortunately no damage was done beyond temporarily inconveniencing the boys.

Henry Hansen and Miss Mary Smith, of Rogers Park, were married Wednesday, February 10. The groom is a son of H. C. Hansen, of the Growers' Market.

Bride and Bridesmaid roses are seen in fine form at F. Benthey & Company's, and they are kept well cleaned up.

Charles M. Dickinson, according to Asphaltum, has been appointed secretary of the National Oil Refining and Manufacturing Company of California.

Manager Hartshorne, of the Chicago Carnation Company, has been at St. Louis this week with a fine display of his specialties.

A. H. Budlong has assumed the management of J. A. Budlong's downtown wholesale store.

A. C. Kohlbrandt, of E. C. Amling's, has been ill for several days, but is rapidly convalescing.

The E. F. Winterson Company is handling choice smilax and a good demand is reported.

J. D. Thompson was at St. Louis this week with good vases of his leaders.

Sinner Brothers are offering exceptional good daffodil stock.

Visitors this week were W. Hagemann, of New York, and Mr. Hill, of Grand Rapids, Mich.

New York.

The meeting of the Florists' Club Monday evening, February 8, was a record breaker. It was remarkable for the attendance, which amounted to 225, including a fair representation of the fair sex; for the exhibition of carnations, which was of extraordinary extent and merit, and for the number of distinguished visitors from distant points, among them being Robert Craig, Philadelphia; J. E. Haines, Bethlehem, Pa.; P. Welch, Boston; M. A. Patten and L. E. Small, Tewkesbury, Mass.; Peter Fisher, Ellis, Mass., and T. J. Johnston and wife, Providence, R. I. The exhibition was superb, the number of blooms shown in each vase contributing to produce an effect of exuberant brilliancy. The capacity of the hall was taxed to the utmost with the large number of exhibits and the throng of visitors. With a room twice as large the effect of the exhibits would have been even better. There being no incitement to competition in the way of prizes, the committee entered into the spirit of the occasion and in its report mentioned only the general excellence of the exhibits and recorded the name of each contributor and his exhibit without individual comment except as regarded a vase of white carnations from Dailedouze Brothers, which was singled out as so remarkable as to be worthy of this especial honor. The blooms in question were of a seedling known as No. 144 C, and in size, form and other important characteristics were simply marvelous and unapproached by anything in the carnation line hitherto. The other exhibitors and their displays were as follows:

Robert Craig & Son—Vesper, white and deeply fringed, and Adonis.
Wm. Didden—Helen Reid, rosy pink.
L. E. Marquisee—Albatross, white, and Flamingo, scarlet.
H. L. Patthey—Pink seedlings, including Successor and Gov. Odell.
J. E. Kraver—Yorkston, blush sport from Lawson.
J. E. Haines—Star of Bethlehem, self yellow; Juno, scarlet; J. E. Haines, scarlet; Imperial, pink and rose striped and No. 77 rosy pink.
J. Reimels—Gomez, Lawson, Striped Lawson and seedling No. 21, white and carmine striped.
Cottage Gardens—Alpine Glow, Enchantress, Prosperity, White Rosevelt, Octoroon, maroon crimson; The President, crimson; Ethel Ward, rose pink; Sensation, blush with deep pink center; Judge, Hinsdale, striped; Macinac, white; Mrs. J. A. Thayer, light pink, and a vase of handsome unnamed seedlings.
R. Wittertaetter—The Cardinal, scarlet; L. E. Small, white seedling No. 3.
Peter Fisher—Nelson Fisher and Mrs. M. A. Patten.
A. J. Tharp—Crane.
M. A. Patten—Mrs. M. A. Patten.
Baur & Smith—Indianapolis, pink.
J. D. Thompson Carnation Company—Enchantress Mrs. Patten and several seedlings, but all badly injured in traveling.

F. R. Pierson Company—Enchantress, White Lawson, Adonis and Daheim, maroon crimson.
Jerome Suydam—Amaze, scarlet; white seedling and several mixed seedlings.
J. N. May—The Bride, white.

Among the promiscuous exhibits were an improved freesia from J. A. Shellem, three varieties of freesia from Rudolph Fischer, Adiantum Farleyense from A. N. Pierson, Nephrolepis Scottii from John Scott and a movable expansion plant support from H. L. Patthey.

The usual routine business of the club having been gone through with, Peter Fisher of Ellis, Mass., was introduced by President Traendly and after an enthusiastic reception proceeded to read the admirable paper on the stem-rot problems which appears in this issue. Mr. Fisher added in the discussion which followed that, on account of the danger from red spider, he did not believe in giving side ventilation to carnation houses on hot, dry summer days, but that he found it very beneficial on cool moist days and towards evening.

Robert Craig, who was called upon for remarks, followed with one of the most eloquent tributes to beauty as seen throughout all phases of nature which he asserted never comes in more bewitching and attractive shape than when it assumes the grace and form of the carnation. He enthusiastically applauded the enterprise of the New York Florists' Club and the social aspects of occasions such as the present.

C. W. Ward spoke in approval of all Mr. Fisher had said in his address. He said that the worst outbreak of stem rot he ever had had followed just such conditions as Mr. Fisher had outlined. His experience had been uniformly in favor of the plan of growing carnations under glass and against field planting, the earliest planted carnations from the field giving unvaryingly the best results and the latest planted being always the most satisfactory. As to side ventilation he did not agree with Mr. Fisher, it being his custom to give it freely under all conditions, closing up only when a gale prevailed.

M. A. Patten, in response to a call, said he had come only to see Mr. Fisher arrive in good shape, and that being accomplished he felt he had done his duty without making a speech. P. Welch refused to budge from his seat under any urging and Harry May responded briefly to a call. P. O'Mara, always witty, entertaining and eloquent, made the closing speech and under the incentive of the great exhibition and the presence of the ladies fairly outdid himself as he skipped from grave to gay, from quotation to simile, interspersing an anecdote by way of punctuation, here and there.

After a vote of thanks to Mr. Fisher and the exhibitors, refreshments were served and an entertainment of vocal music and magic by three clever performers followed. An invitation was received from the New York Horticultural Society to attend their meeting on Wednesday evening. The awards committee appointed last month to visit Mr. Ward's place reported the award of a certificate of merit to his phenomenal scarlet seedling, No. 303.

Market conditions are practically unchanged, violets selling a trifle better and American Beauty roses being stiffened in price owing to light supply. The American Institute held its annual meeting last Wednesday. A collation was decided upon as an adjunct to attract a better attendance than has been customary, with the result that sixty members showed up.

S. R. Wiley, said to be a florist at 952 Madison avenue, was arrested one day last week charged with having threatened to shoot a woman who had declined to marry him.

Mrs. F. R. Pierson, of Tarrytown, is very ill with measles contracted from a little nephew who had the disease at her home.

The wreath of violets sent by Thomas C. Platt to the funeral of the late Wm. C. Whitney was made up by August Milang.

Peter Rehm, who was formerly with Wm. H. Siebrecht, has taken a position with F. W. Massmann, of East Orange, N. J.

W. F. Sheridan confided to a few of his friends that Monday, February 8, was his birthday, with the usual result.

W. H. Gunther celebrated the fifteenth anniversary of his marriage on Saturday, February 6.

The directors of the Cut Flower Exchange held their regular meeting on February 6.

J. Bowne Hyatt, of Winfield, L. I., is expected home from St. Luke's hospital shortly.

Ben Dorrance, president of the Rose Society, has gone south.

Frost is two feet deep in the city streets.

Will Saltford, of Twenty-ninth street, is ill.

Visitor: Johs Tetkamp, Holland.

Philadelphia.

It seems hard to realize that Lent will commence with next Wednesday, as there is generally a rush of work that precedes and foretells that the end of the social season is near. Since there has been no such warning, all hands are hoping that this season will be an exception, and that this period of rest will be brightened and enlivened by quantities of flowers. The stock of flowers now coming in is not any too plentiful, with the exception possibly of violets and carnations. Lawson, Prosperity, Lord and Vesper, and several other varieties are to be seen in quantity and of very fine quality. It would be a shame to see these fine sorts on the streets, but no doubt when the full crops come in this will be their fate. Already fine mignonette is seen on the corners offered at twenty-five cents per dozen. It has been very fine this season, but it has hung fire, and as anything that accumulates has to be moved, the fakirs soon get a whack at it. Daffodils are piling up and \$3 per 100 is now the price. Roses seem to move very well and are nearly all cleaned up every day. Beauties are most scarce; none but the specials appear to be worth much, and Liberty takes the place of all the lower grades. This latter is certainly a grand variety, as the flowers all come so uniformly good.

Robert Craig reports having spent a most delightful evening at the New York Florists' Club's carnation show. The new carnation of Dailedouze Brothers, which he says measured five and one-half inches in diameter, was a record breaker, and looked almost equal to a chrysanthemum. I wonder if the club did not borrow some of Commodore Westcott's bunch and pass it around with a liberal hand.

The trade was startled to hear of the death of Clarence A. Dunn last Saturday night. He had been sick but a week and scarcely anyone knew of his illness until his death was announced. He was taken with grip which in a few days turned

into pneumonia. He leaves a wife and four children who have the sympathy of the entire trade in their bereavement. The business will be carried on as before.

Harris' lilac is coming in fine shape, a whole house being devoted to it. All the stock forced is fine and large, and so far has flowered abundantly. He says he has found a good market and a steady demand for all he has cut. Prices range from \$1 to \$2 per dozen sprays.

H. H. Bayersdorfer fell on the ice at his home and dislocated or broke one of the bones in his shoulder. While it will keep him home for a while, the injury is not serious.

R. Scott & Son are now cutting gardenias in quantity. Their best flower readily brings \$5 per dozen. S. S. Pennock handles the bulk of the stock.

Leo Niessen is headquarters for pansies, which are popular for St. Valentine's day. His stock of Liberty and special Bridesmaid roses is also fine.

Pennock Brothers have an elaborate window decoration of floral valentines. Charles Fox also had quite a display of pretty conceits in this line.

Eddie Fancourt has recovered from the operation for appendicitis but will be confined to the hospital for three weeks.

S. S. Pennock has handled large quantities of fancy orchids the past winter, and finds an increasing demand. K.

Boston.

Business in the wholesale markets is rather brisk at present, indicating a disposition on the part of the festive element in society to wind up the season in a jubilant spirit, and also suggesting to the initiated the fact that certain lines of standard flowers are blooming sparsely about this time. The activity is well confined to a few specialties, roses being the most affected, and of these American Beauty heading the line. Colored carnations are in full abundance for all demands, but white ones are none too plentiful. Violets have still to contend with the adverse conditions of the prevalent zero weather of this frigid winter, and bulb stock of all kinds, in evident sympathy with the utter banishment of all springlike tendencies, is badly stagnated and without a standard of value.

George A. Sutherland has installed a wire design factory, with full equipment for order work, in connection with his business at 34 Hawley street. J. Jansky, hitherto located at the flower market, will be in charge of this department.

A. Leuthy, of Roslindale, and D. Lumsden, of Jamaica Plain, have gone into partnership and will continue the palm business conducted hitherto by Mr. Leuthy.

Visitor: Paul Berkowitz, Philadelphia, Pa.

St. Louis.

Trade conditions in St. Louis show but little change. Roses are still scarce, excepting red, which are abundant. Prices on Bride and Bridesmaid have taken an upward jump, the best being quoted at \$10. The demand for Golden Gate has slightly increased, prices now being \$3 to \$8. Ferns have shown a tendency to depreciate. Violets are everywhere and prices range accordingly. Occasionally the fancy grades call for 50 cents. Roman hyacinths are not as plentiful as last week, the result being a slight advance in prices for A1 stock. There is little demand for Paper White narcissi. Too many are already on the market. The same may be said of lily of

the valley, the best grades of which sell for \$4. Carnations are steady.

Otto Koenig says he "hasn't been snowed under yet." This might be taken as an indication that business is prosperous up his way. Mr. and Mrs. G. E. McClure returned home Wednesday morning from an eight days' honeymoon visit to Manhattan, Kan.

H. F. Aue is cutting some fine smilax at his place in Lindenwood. The sweet peas are also of good quality. The variety Christmas is extensively grown. Mr. Aue has about 8,300 feet of glass devoted exclusively to the wholesale trade.

G. J. Kessler, of the landscape department at the World's Fair, has submitted plans to the city park commissioner, Mr. Aull, for improving the courthouse grounds. The amount appropriated for improvements was \$2,000.

Geo. Wagner, who secured possession of E. Michel's establishment on Maryland avenue last fall, has had a very successful season. He says his trade is good in cut flowers and "lots of funeral work."

Dr. Halsted, of Belleville, was in the city Tuesday. F. K. B.

Worcester, Mass.

The large water tower of the Worcester conservatories was blown down February 8, and besides wrecking the tower nearly one hundred lights of glass in houses No. 4 and 5 were broken. This tower had not been in use this winter, so they were not inconvenienced as to water supply. There is nothing specially new in trade circles; trade remains steady, with a good supply of fine flowers.

Mr. Joy, of Nashville, Tenn., is making a tour of the east and while here visited the larger places in town. A. H. L.

OBITUARY.

Joseph Magill.

Joseph Magill, treasurer of the A. T. De La Mare Printing and Publishing Company, Ltd., since its organization in 1891, died Friday, February 5, at his home in New York. The funeral services were held at the Second United Presbyterian church, Jersey City Heights, on Sunday, February 7.

Charles M. Thornton.

Charles M. Thornton, senior member of the firm of Thornton Brothers, died February 1, from heart failure, a trouble from which he had long suffered. Mr. Thornton was the son of Geo. J. Thornton who was for many years gardener for Wm. Sutton in North Andover. In 1876 in company with his two brothers he established the firm of Thornton Brothers, which has since that time done a large and profitable business as florists and art dealers. His age was 52 years.

Clarence A. Dunn.

Clarence A. Dunn died Tuesday, February 9, at Philadelphia, Pa., of pneumonia, aged 43 years. He was sick but a week and the news of his death was a great shock to his many friends. Mr. Dunn started in the business at Robert Craig's. After a few years he engaged in business as a grower at Norristown. He afterward moved to Philadelphia and opened a retail establishment. Later he

took up the commission business with Leo Niessen, going from there to Horace Dumont. Last fall he commenced the commission business on his own account. He later added florists' supplies. He leaves a wife and four children. K.

Ell B. Lewis.

Eli B. Lewis died at his home on Locust street, Lockport, N. Y., January 21. He was born at Boose Hill, Conn., in 1819. He removed from there to Holland, N. Y., in 1841. From there he went to Albion, Mich., where he married in 1846, returning to Holland, N. Y., in 1848. Here he engaged in gardening. In 1862 he moved to Lockport, where he continued gardening and embarked in flower growing, which lines he carried on very successfully for many years. He propagated about all of the once famous Niagara grapes and at the time of his death was propagating a new grape for Stark Brothers, which was unnamed. The grape and fruit business will be continued by Fred B. Lewis; his son, and the greenhouses by Fred. G. Lewis, a grandson. He leaves a wife and two sons, Frank B. and Fred B. Lewis, also three daughters, Mrs. Clement, of Lockport, Mrs. Lamont Prace, of Buffalo, and Mrs. R. B. Oliver, of Lockport. Mr. Lewis was known all over the country among nurserymen and was one of the wealthiest of Lockport's citizens. His residence and grounds on Locust street were among the most attractive in the city. While he was not a member of the Buffalo Florists' Club his sons and grandson were very active members, and Mr. Lewis himself was always a great reader of everything pertaining to the nursery and floriculture, and an authority on grapes and small fruits.

Philip Gauges.

Philip Gauges, for the past twenty-two years an employe of the United States Botanical Gardens, Washington, D. C., died at his home in that city on Monday, February 1. He had suffered from a muscular trouble for nearly a year but the end came with an attack of pneumonia. Mr. Gauges was born in Baltimore forty-eight years ago. At the age of thirteen he entered the employ of Robert J. Halliday, the well known Baltimore florist, remaining there until 1882, when he secured a position in the botanical gardens at Washington. In the same year he married Miss Annie Frederick, of Baltimore, who died a few years later. In 1890 he married Miss Mary E. Yockel, also of Baltimore, who with five children survives him. His other living relatives are his mother, a sister and three brothers. One brother, Jos. A., is an employe of the bureau of plant industry of the agricultural department. During his long service at the botanical gardens he had met many men of national fame, his kind and obliging disposition winning him friends among them. He attended many of the conventions of commercial florists in other cities and had a large acquaintance among the growers and dealers of the country, and a host of friends connected with the government horticultural bureaus and the commercial trade of Washington. His funeral was held at St. Mary's Catholic church, Washington, on Wednesday, February 3, the pall bearers being Assistant Superintendent Reynolds, Magnum Swenson, Michael McCarthy and Alex. Weir, all of the botanical gardens.

THE AMERICAN FLORIST

NINETEENTH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
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The Advertising Department of the AMERICAN
FLORIST is for florists, seedsmen and nurserymen
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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 Pays.

The generous and enthusiastic support given by the carnation growers to the local exhibition given by the New York Florists' Club last Monday evening was very much to the credit of the devotees of the divine flower. Gentlemen who will unhesitatingly respond to an invitation to contribute to an informal affair of this kind, sacrificing material that might be sold readily in the market for a substantial cash value, are entitled to the gratitude and respect of all and if their liberality brings them business it is no more than they are well entitled to. But this characteristic has at all times been prominent among the carnation brethren and those who have done it the most unselfishly stand, as they should, in the first rank as successful carnationists, commercially. A little of the same public spirit and enterprise on the part of growers in other special lines would not come amiss to their interests either collectively or individually.

Auction Bulb Sales in London.

Regarding sales at auction January 20, 1904, of Japan lily bulbs and American grown tuberose bulbs, A. Hemsley writes in the Gardeners' Chronicle as follows: "On January 20 there was a very large consignment of the above sold at Messrs. Protheroe & Morris' auction rooms. There have been several sales previously, but they continue to attract large numbers of buyers. Among the buyers on the above date were several from long distances. Some of the bulbs offered were the largest I and others have seen. In the catalogue they were aptly described as 'mammoth bulbs.' No exceptionally high prices were made, unless it was for *L. speciosum album*; for bulbs of this there was lively competition, the largest being particularly in demand. In all other varieties it was the largest bulbs that attracted most attention. The medium-sized bulbs were bought in large quantities by market growers. Judging from these sales, it would appear that though the trade may be dull just now, growers anticipate a better time later on. "American Pearl tuberose were sold in large quantities. In all there were upwards of 200,000 sold. These brought about 26 shillings per 1,000. Palm seeds sold well, especially *Cocos Weddelliana* and *Kentia Belmoreana*, but *Kentia Forsteriana* did not make quite such high prices, although the samples were very good. Lily of the valley 'Fortin's Giant' sold well at about double the prices made by the ordinary Berlin crowns."

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

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Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 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 grower age 36, single. F I, care American Florist.

Situation Wanted—By florist and gardener on private place. Age 29. Address
14, care American Florist.

Situation Wanted—By young man as rose grower. 6 years' experience. Address
Z Y, care American Florist.

Situation Wanted—Private place by first-class man, 30 years' experience; 10 years in last place. Box 20, care American Florist.

Situation Wanted—By florist and gardener on private place: age 36, single; 21 years' experience. Address
I F, care American Florist.

Situation Wanted—By practical florist, grower of roses, carnations, 'mums and general stock; 9 years experience. Address
R B, care American Florist.

Situation Wanted—By all-around florist, life experience, carnations, roses and general stock, on a retail place. Address
PERCY ROGERS, St. Johnsbury, Vt.

Situation Wanted—As foreman. Carnations, roses and general stock. Single, age 27. References. Life experience. Address
GEORGE, care American Florist.

Situation Wanted—As foreman of section by a single German. Life experience in cut flowers and pot plants. Address
G. KIEFNER, 72 W. Madison St., Chicago.

Situation Wanted—By young man as assistant in private place. Understands carnations, roses, violets, etc. Sober and industrious; good references. H D, care American Florist.

Situation Wanted—By a young man in store or greenhouse as assistant; four years' experience in large cities. Near New York or Philadelphia preferred. N B, 28 Westminster St.,
Bellows Falls, Vt.

Situation Wanted—By an experienced man to take charge of small place or store. Good designer and decorator. Married. Best of references. Address with full particulars,
H T, care American Florist.

Situation Wanted—By gardener who understands growing vegetables out and inside flowers, fruit trees, shrubs and bushes. Temperate, willing to work. 15 years' experience. Single (30.) J Z, care American Florist.

Situation Wanted—By experienced gardener and florist up-to-date, on private place; wants to change present position for other; age 38; married, no children; best references. Address
A M, care American Florist.

Situation Wanted—As gardener on private place; well experienced in growing flowers and vegetables, care of shrubs, etc., also competent to run greenhouse. Address
B, Box 96, Highland Park, Ill.

Situation Wanted—By first-class rose and carnation grower. All references. Age 38, single. Liberal wages expected. Capable of taking charge. Full particulars in first letter please.
GROWER, 54 S. Sheldon St. Chicago.

Situation Wanted—By an experienced gardener of unquestionable ability. Well qualified to take charge of an up-to-date gentleman's country estate. Address
P. B. R. Box 486, Highland Park, Ill.

Situation Wanted—By a sober industrious man, married, has had 15 years' experience in pot and floral culture, capable of taking charge of a small place where practical work is practiced. Address
H. W. HILL, 635 Spring St., Decatur, Ill.

Situation Wanted—As vegetable gardener on private place, German, age 30, single; 2 years' experience in hot-houses and outside in the middle states. Salary with or without board and room.
WM. A. TRETZ, Hollywood, Cal.

Situation Wanted—Carnation expert wants position on commercial place. 20 years' experience in general greenhouse work. Best of references given. Give full particulars when you write.
EXPERT, care American Florist.

Situation Wanted—As foreman by a first-class grower of cut flowers and bedding plants. Roses a specialty. Capable to do design work and making decorations. Age 35, single with 20 years' experience. F W, Garden City Hotel,
46 Sherman Street, Chicago.

Situation Wanted—By young single man. 25 years of age as assistant in commercial place, where roses, carnations, 'mums and pot plants are grown. 6 years' experience. Sober and industrious. Can give reference. Address
S S, care American Florist.

Situation Wanted—By a thorough practical grower. 20 years' experience in growing roses, carnations, 'mums, ferns, palms and general greenhouse stock. Can furnish all references. Would accept private place. Address
E W, care American Florist.

Situation Wanted—By competent gardener to take charge of gentleman's place, 18 years' experience and thoroughly understands the care private grounds, greenhouses, also forcing of grapes and peaches. First-class references.
L B, care American Florist.

Situation Wanted—By first-class rose grower and florist, capable of taking charge of place or section; good propagator and grafter; 15 years' experience with good reference; age 30, married. Please state wages. Address
R J P, care American Florist.

Situation Wanted—As head gardener on private place, understanding greenhouse work, vegetables, raising trees, shrubs and general landscaping, 29 years old. Married. Life experience. Address
A 714, Law Building, Indianapolis, Ind.

Situation Wanted—By expert grower of pot plants, stove or temperate house, including orchids. Well posted in forcing, grafting and propagating; 20 years' experience; German, married; as foreman or manager on an up-to-date place. State wages and full particulars.
E R, American Florist.

Situation Wanted—By a sober and competent man; 36 years of age, 20 years' experience in general stock plant growing and landscape gardening. Have diploma. Am able to take full charge of private or commercial place. Best of references. Want steady position.
E L, care American Florist.

Situation Wanted—As foreman by March 1st, of 25,000 to 75,000 feet of glass, in or within 25 to 50 miles from Chicago. Have a thorough experience in retail and wholesale trade. I am young, 27 years of age, but energetic and willing and can furnish first-class references.
Box 15, care American Florist.

Situation Wanted—As foreman in first-class establishment. Advertiser is at present holding a responsible position, but is desirous of making a change. Thoroughly versed in all modern methods of culture. Of good habits and address; married; the West preferred. Address stating full particulars, X, care American Florist.

Help Wanted—A good store man. Address
X Y Z, care American Florist.

Help Wanted—Good rose grower, capable of taking charge of new range of rose houses.
JAMES EADIE, 297 Erie St., Cleveland, O.

Help Wanted—Florist as assistant. Must know the growing of carnations and bedding plants. State wages. F B, care American Florist.

Help Wanted—A foreman who understands handling help. Must be all-around florist and married. State wages. Address
C. H. FRET, 1133 O St., Lincoln, Neb.

Help Wanted—A man who understands growing Beauties from the cuttings up. Apply
THE FLORAL EXCHANGE,
H. Simpson, Supt., Edgely, Bucks Co., Pa.

Help Wanted—Young man experienced in handling palms and ferns in greenhouse, also competent to wait on customers. Address
H. F. HALLE, 548 W. Madison St., Chicago.

Help Wanted—Man that can run a truck garden, can raise strawberries and handle flowers. State wages. House rent free to married man.
F. L. CRAIG, 263 So. Union St., Battle Creek, Mich.

Help Wanted—A carnation grower. Must be single and well up in his business. State wages with board and room and give full particulars.
N. ZWEIFEL, R. R. 10, North Milwaukee, Wis.

Help Wanted—Single man with some experience, for general greenhouse work. References required. State wages expected with board and room.
ESTHERVILLE GREENHOUSES,
Estherville, Ia.

Help Wanted—A good man who understands growing of roses, carnations, mums and general stock. Single German preferred. Address with reference: state wages per month with board.
KRUHM Bros., St. Joseph, Mo.

Help Wanted—Foreman or man capable of taking charge of 15,000 feet of glass, if necessary. Must understand growing carnations and roses. For further particulars Address
HILL FLORAL Co., Streeter, Ill.

Help Wanted—An experienced violet grower. Thoroughly capable and well recommended to take care of greenhouses for violet culture in suburb of Chicago. State experience, age and salary wanted. Address
B D, care American Florist.

Help Wanted—First-class working foreman gardener on private place in Kentucky. Must thoroughly understand care of lawns, shrubbery, and the raising of fruits, flowers and vegetables. Address, giving experience and stating wages expected.
F W A, care American Florist.

Help Wanted—Young man for general greenhouse work. Small place of about 10,000 feet, where carnations are leading specialty. One who could take charge in absence of employer. Nice town and good place. Must have references. State wages expected and experience. Single or married.
THOS. M. FITZGERALD,
Beaver, Beaver Co., Penn.

Help Wanted—A competent plantsman for landscape work. Must have a general knowledge of nursery work, outdoor rose culture, be a good propagator, and be able to execute and maintain large plantings of native and ornamental stock. Give full particulars as to past experience, references and salary expected. Address
COMPETENT, care American Florist.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address
BAUR FLORAL Co., Erie, Pa.

Wanted—To lease with option of buying a place of from 15,000 to 30,000 sq. feet of glass, wholesale trade preferred with necessary land, house, barns, etc. Must be in good condition and suitable for production of first-class stock.
M D, care American Florist.

Wanted—An active young man with business ability and some capital, and experience in managing a large cut flower growing plant, wishes to correspond with a grower with view of buying interest in place and taking full charge. Only a clear, aggressive party in middle western states need reply. Address
CONFIDENTIAL, care American Florist.

For Sale—At a bargain, 4 greenhouses 20x100 feet, barn, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health.
J D, care American Florist.

For Sale—Greenhouses; good location for local and shipping business in Michigan. Well stocked. Reason for selling, on account of failing health.
H B, care American Florist.

For Sale—Over 12,000 feet of glass, all heated by steam, in first-class condition. Will sell at reasonable price. Terms to suit. Address
GLASS, care American Florist.

For Sale—At a bargain. A nice home located 5 blocks from postoffice; greenhouses well stocked with up-to-date retail stock; business established for 20 years; good mail and express business.
C. H. BAGLEY, Abilene, Kan.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale or Lease—Fine greenhouse establishment of 10,000 feet of glass, in good condition and well stocked, with or without dwelling. Fine opening for a single man. Stock reasonable.
X Y Z, care American Florist.

For Sale or Lease—Between 30,000 to 40,000 feet glass; barn, dwelling house; hot water heating, constant water supply, two acres for cultivation in Bronx Borough, New York city. Address
J. RINGLER, 728 3d Ave., New York.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address
SAMUEL J. BUNTING, Elmwood Ave.
and 58th St., Philadelphia, Pa.

For Sale—Three greenhouses situated in West Tenn. About 10,000 square feet glass, well stocked with roses, carnations, palms, ferns and bedding plants. Heated by two Florence hot water heaters. About one and one-quarter acres of ground, 300 feet cold frames which belong to the plant. Everything in first-class condition. No competition. A good bargain. A change of climate necessary for family cause of sale. Address
Mrs. M. Iris Brown, Union City, Tenn.

EXPERT NURSERY MANAGER.

WANTED—Position as Nursery Manager by a man having thorough practical knowledge of all departments. Best of European and American recommendations. Extensive experience carrying out planting plans, making estimates, etc.; age 34. Address
M B, care Mrs. MacDonald,
222 A Street S. E., Washington, D. C.

WANTED.

Position as foreman or manager in an up-to-date establishment; either wholesale, retail or mailing. An up in all branches, catalogue marking, building, heating and growing of fine stock. 2,000,000 plants grown the past season. Three years in last place. 40 years old and a hustler. Northern place preferred. Married, temperate and strictly business. Best of reference as to ability and business qualities. Address LONE STAR,
611 No. Washington Ave., Dallas, Tex.

Wanted...

FOREMAN for large commercial place in Chicago; married man. Must be AI rose grower and able to take charge of twelve growers. Unless capable do not answer.
Address
QUIZ, care American Florist.

Manager,

First-class grower, designer and decorator, very best references, wants first-class place, with fair facilities. Address
M G D, care American Florist.

FLORISTS' AMERICAN EXCHANGE

WILL CONVERT INTO CASH

WHAT YOU CANNOT USE TO ADVANTAGE==OTHERS ARE IN NEED OF

Florists' Real Estate, with or without improvements; Nursery Land, Seed Farms, Buildings, Machinery, Store Outfits, with or without merchandise or good will, Fuel, Boilers, Fertilizers—anything pertaining to the business of a Florist, Grower or Seedsman, which he may cease to have use for.

IT COSTS NOTHING ON CHANCE

—TO—

LIST YOUR PROPERTY WITH US.

If there is anyone in the United States or Canada who may have use for your property, we will find him for you, and collect our commission after sale has been negotiated, * *

WE ARE NOT IN COMPETITION WITH ANY OTHER FIRM IN EXISTENCE.

In preparing your list of property for us, be sure to have description accurate and honestly made, and as far as possible supply photographs. All our sales will be made contingent upon the truthfulness of representations made. Our charge is 5% on Real Estate for amounts under \$1,000; on all amounts in excess of \$1,000 we charge 2%; on all other property we charge 8%.

Address all communications to

WE INVITE THE CO-OPERATION OF THE WHOLE CRAFT.

C. B. WHITNALL,

Care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Feb. 11.

Roses, Beauty, long per doz.	3 00
" " med. " 150@ 2 00	
" " short " .50@ 1.00	
" " Bride, Bridesmaids.....	6.00@ 8.00
" " Meteor, Golden Gate.....	6.00@ 8.00
" " Perle.....	6.00@ 8.00
Carnations.....	2.00@ 4.00
Smilax.....	15.00
Asparagus.....	35.00@50.00
Violets.....	.50@ .75
Valley.....	3.00@ 4.00
Romans.....	2.00@ 3.00
Freerias.....	3.00
Tulips.....	3.00

PITTSBURG Feb. 11.

Roses, Beauty, specials.....	40.00@60.00
" " extras.....	25.00@35.00
" " No. 1.....	10.00@20.00
" " ordinary.....	3.00@ 6.00
" " Bride, Bridesmaid.....	3.00@12.00
" " Meteor.....	6.00@15.00
" " Liberties.....	12.00@25.00
Carnations.....	1.50@ 6.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.25
Asparagus, strings.....	30.00@50.00
Asparagus Sprengeri.....	2.00@ 4.00
Sweet Peas.....	.50@ 1.00
Violets.....	.20@ 1.25
Lilies.....	12.00@20.00
Mignonette.....	3.00@ 5.00
Romans, Paper White.....	1.00@ 3.00
Tulips.....	2.00@ 4.00
Lilac.....	1.00@ 1.50
Pansies and Daisies.....	1.00@ 1.50
Daffodils.....	3.00@ 4.00

CINCINNATI, Feb. 11.

Roses, Beauty.....	2.00@ 6.00
" " Bride, Bridesmaid.....	4.00@12.00
" " Liberty.....	4.00@10.00
" " Meteor, Golden Gate.....	4.00@12.00
Carnations.....	3.00@ 6.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.50
Violets.....	.75@ 1.00
Narcissus.....	4.00
Romans.....	4.00
Harrisi.....	per doz., 2.00
Calla.....	12.50@15.00
Sweet peas, Blanche Ferry.....	1.00

St. Louis, Feb. 11.

Roses, Beauty, long stem.....	3.00@4.00
" " Beauty, medium stem.....	1.50@2.00
" " Beauty, short stem.....	.50@ .75
" " Bride, Bridesmaid.....	4.00@10.00
" " Golden Gate.....	3.00@ 8.00
Carnations.....	1.00@ 4.00
Smilax.....	12.50@15.00
Asparagus Sprengeri.....	1.00@ 3.00
" " Plumosus.....	35.00@75.00
Ferns.....	per 1000, 2.00@2.50
Violets, single.....	.30@ .50
Narcissus Paper White.....	2.00@ 3.00
Valley.....	2.00@ 4.00
Romans.....	2.00@ 3.00

№1.
\$2.00

№2.
\$3.25

№3.
\$3.75

№4.
\$4.50

№5.
\$5.00

№6.
\$6.00

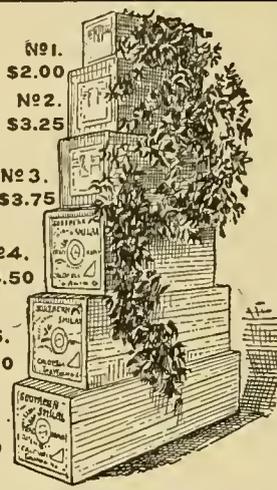
J. B. DEAMUD,

WHOLESALE CUT FLOWERS

51 Wabash Ave., CHICAGO.

PRICE LIST.

	Per Doz
Beauties, 30 to 36 inch stem.....	\$4.00 to \$ 5.00
" " 20 to 24 inch stem.....	3.00
" " 15 to 18 inch stem.....	1.50 to 2.00
" " 12 inch stem.....	.75 to 1.00
	Per 100
Liberty and Chatenay.....	6.00 to 10.00
Brides and Bridesmaids.....	6.00 to 10.00
Meteor and Golden Gates.....	6.00 to 10.00
Carnations.....	2.00 to 4.00
" " fancy.....	3.00 to 5.00
Valley.....	2.00 to 4.00
Violets, double.....	.50 to 1.50
" " single.....	.50 to .75
Asparagus Plumosus.... per string, 25 to 50c	
Asparagus Sprengeri Sprays.....	2.00 to 4.00
Ferns, fancy.....	\$3.00 per 1000 .30
Smilax.....	12.50 to 15.00
Adiantum.....	1.00



Galdwell's Kwality Kounts Brand
CONSTANTLY ON HAND.

ROSES, Pittsburg Cut Flower Co., Ltd.

CARNATIONS, Wholesale Florists and Supplies.

BEAUTIES, 504 Liberty St., PITTSBURG, PA.

VALLEY.

Please mention the American Florist when writing.

— FANCY —

CARNATION BLOOMS

OUR SPECIALTY.

TELEGRAPH ORDERS FILLED PROMPTLY.

J. D. THOMPSON CARNATION CO.

JOLIET, ILL.

CUT FLOWERS OF ALL KINDS

and Florists' Supplies.
Galax, bronze or green, 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss, Ferns.

Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, Commission Dealer,
130 E. 3d St., CINCINNATI, O.
Telephone, 980 Main.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Chas. W. McKellar,

Wholesale Commission Florist
—AND DEALER IN—
ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.
Please mention the American Florist when writing.

Brant & Noe Floral Co.,

GROWERS OF
Cut Flowers at Wholesale.
Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

H.G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL KINDS OF **FLORISTS' SUPPLIES,**
AT CHICAGO MARKET RATES.

42-44 E. Randolph St., CHICAGO, ILL.

EVERY ORDER CALLS for

"GREEN GOODS"

Now-a-days, but we have inexhaustible supplies of Asparagus Strings, Asparagus Sprays, Sprengerii and Smilax. We can supply the market. All we need on the largest orders is time to cut the Stock.

All Cut Flowers in Season.

SEND US YOUR ORDERS.

E. C. AMLING,

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

32-34-36 Randolph St.,
Long Distance Telephones 1978 and 1977 Central.

CHICAGO, ILL.

American Beauty.

	Per doz.
Long stemmed.....	\$5.00
30-inch stem.....	4.00
24-inch stem.....	3.00
20-inch stem.....	2.50
15-inch stem.....	2.00
12-inch stem.....	1.50
Short stem.....	\$6.00 to \$8.00 per 100
	Per 100
Brides and Maids.....	\$6.00 to \$10.00
Meteors and Gates.....	6.00 to 10.00
Liberty.....	6.00 to 15.00
Carnations.....	2.00
" large and fancy.....	3.00 to 6.00
Violets.....	.75 to 1.50
Valley.....	2.00 to 3.00
Daffodils, Paper Whites.....	2.00 to 4.00
Tulips.....	2.00 to 5.00
Callas, per doz.....	\$1.50 to \$2.00
Harrisii.....	per doz., \$2.70
Asparagus, per string, 25c to 50c.....	3.00 to 6.00
Asparagus Sprengerii.....	3.00 to 6.00
Ferns.....	per 100, \$2.50
Galax.....	per 100, 1.00
Adiantum.....	1.00
Smilax.....	per doz., \$3.00
Leucothoe Sprays.....	.75

Subject to change without notice.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

WEILAND - AND - RISCH

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.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY OUT **FERNS**
65-57 WABASH AVENUE, CHICAGO.
Telephone Central 3284.
Please mention the American Florist when writing.

A. L. RANDALL CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and Shipper of **CUT FLOWERS**

60 WABASH AVE., CHICAGO.
Telephone 3067 Central.

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.
Please mention the American Florist when writing

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **WHOLESALE CUT FLOWERS**
A Specialty..... **GROWER of**

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager. Wholesale and Commission **FLORISTS**
Consignments Solicited.

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Feb. 12

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 "	2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.25
" Liberty.....	6.00@ 8.00
" " extra select.....	10.00@ 15.00
" Chatenay.....	6.00@12.00
" Bride, Bridesmaid.....	6.00@10.00
" Meteor, Golden Gate.....	6.00@10.00
Carnations.....	2.00@ 3.00
" fancy.....	2.00@ 5.00
Valley.....	3.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	2.00@ 4.00
" " sprays 2.00@4.00	
" Sprengerii.....	2.00@ 4.00
Violets, double.....	.50@ 1.50
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000	2.50@ 3.00
Smilax.....	12.50@15.00
Callas.....	1.50@ 2.00 per doz.
Harrisii.....	2.00@ 2.50

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telephone and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention. **35-37**
GREENHOUSES: Randolph Street.
Morton Grove, Ill. CHICAGO ILL.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

American Florist Advertisements
Work Every Day.

Leo Niessen

BEAUTIES, VALLEY, ORCHIDS.

WHOLESALE FLORIST,

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

1217 Arch Street, PHILADELPHIA, PA.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN.

34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,



84 HAWLEY STREET, BOSTON.

WELCH BROS.

CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

THOMAS YOUNG, Jr.
WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

GEORGE SALTFORD,
WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK.

TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.

Consignments of any good flowers solicited.

Please mention the American Florist when writing.

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.



N. Lecakes & Co.

63 W. 28th St., and 45 W. 29th St.

Also at

25th St. and 34th St. Markets New York.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Holly, Princess Pine and all kinds of Evergreens.

Telephone 1214 Madison Square.

Please mention the American Florist when writing.

Wholesale Flower Markets

BOSTON, Feb. 10.

Roses, Beauty, extra.....	30.00@50.00
" " medium.....	10.00@20.00
" " culls.....	3.00@ 6.00
" Bride, Bridesmaid.....	4.00@ 6.00
" extra.....	8.00@12.00
" Liberty.....	4.00@10.00
Carnations.....	1.00@ 2.00
" Fancy.....	3.00@ 4.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies.....	6.00@ 8.00
Smilax.....	10.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Roman Hyacinths, P. W. narcissus.....	1.00@ 2.00
Daffodils.....	1.00@ 3.00
Tulips.....	2.00@ 3.00

PHILADELPHIA, Feb. 10.

Roses, Tea.....	4.00@ 8.00
" " extra.....	12.00@15.00
" Beauty, extra.....	35.00@50.00
" " firsts.....	16.00@25.00
" Queen of Edgely, extra.....	35.00@50.00
" " firsts.....	16.00@25.00
Carnations.....	2.00@ 8.00
Violets, single.....	40@ .50
" double.....	.50@ 1.00
Lily of the valley.....	3.00@ 5.00
Daffodils.....	3.00@ 4.00
Tulip.....	3.00@ 4.00
Freesia.....	3.00@ 5.00
Lilac.....	.50@ 2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00

BUFFALO, Feb. 11.

Roses, Beauty.....	5.00@50.00
" " Bride, Bridesmaid, Meteor.....	3.00@12.00
Carnations.....	2.00@ 6.00
Harrisii.....	15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.50@ 1.00
Violets.....	.30@ 1.00
Callas.....	8.00@12.50
Sweet Peas.....	.50@ 1.40

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

SOUTHERN SMILAX.

No. 1 quality only \$5.50 per case of 50 lbs. Be sure and try it when you want Smilax. **CALAX**, bronze or green, 75c per 1000. Discount on large orders. **LAUREL FESTOONING**, No. 1 quality, 4c, 5c and 6c per yard. Always on hand and large orders filled at short notice. **FANCY** or **DACGER** **FERNS**, \$1.50 per 1000.



Long distance telephone connection.

SMILAX and BEAUTIES CHEAP.

500 Beauties, 3 1/2-inch pots, well branched, \$6.00 per 100.
2,000 Smilax 3 1/2-inch, stocky plants, \$2.00 per 100. Cash with order.

Quality of plants guaranteed.

ROSEMONT GARDENS, MONTGOMERY, ALA.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Laurel Roping

OLIVER L. TRONNEM, Vineland, N. J.

Flowers of All Kinds.

Write Us For Prices.

OPEN FROM 7:00 A. M. TO 9:00 P. M.

THE PHILADELPHIA WHOLESALE FLOWER MARKET, 1224 Cherry Street, PHILADELPHIA, PA.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1988 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH
Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice or sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS
Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Chrysanthemums.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

WE 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,
West 29th St., New York.
Telephone 651 Madison Square.

Frank Millang

Open from 6 a. m. to 5. p. m.

Cut Flower Exchange, 55-57 W. 26th St.
Phone 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
115 W. 30th-St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St, New York.
Cut Flower Exchange.

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.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Feb. 10.

Roses, Beauty, best.....	25.00@60.00
" " medium.....	8.00@15.00
" " culls.....	1.00@ 3.00
" " Bride, Bride, G. Gate	3.00@15.00
" " Liberty.....	3.00@25.00
Carnations.....	1.00@ 3.00
" " fancy and novelties.....	4.00@ 8.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	6.00@12.00
Violets.....	.25@ .40
" " special.....	.50@ .75
Smilax.....	6.00@12.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Cattleya Percivalliana.....	40.00@50.00
Dendrobium formosum.....	30.00@40.00
Cypripediums.....	10.00@12.00
Mignonette.....	1.00@ 4.00
Roman Hyacinths.....	.50@ 2.00
Tulips.....	1.00@ 3.00
Narcissus, Paper White.....	1.00@ 2.00
Gardenias.....	25.00@50.00
Freesia.....	.10@ .15 per bun.
Jonquils, Daffodils.....	1.00@ 3.00

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

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Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS

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.

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NEW YORK CUT FLOWER CO

55 and 57 West 26th St.,

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Daily Reports. Weekly Payments
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St.
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 43th W New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: **ALEXCONNELL.**

WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

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Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER

GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

241 Massachusetts Ave., INDIANAPOLIS, IN U.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4326-4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Ivernia	1	Sat. Feb. 20, 7:30 a. m.	Feb. 28
New York.....	"	Campania	1	Sat. Feb. 27, Noon.	Mar. 5
New York.....	Glasgow	Mongolian	2	Thur. Feb. 18, 11:00 a. m.	Feb. 23
New York.....	Genoa	Palatia	3	Tues. Feb. 16, 10:00 a. m.	Mar. 2
New York.....	"	Prinz Oskar	3	Thur. Feb. 25, 10:00 a. m.	Mar. 11
New York.....	Hamburg	Pennsylvania	3	Sat. Feb. 20, 7:00 a. m.	Mar. 1
New York.....	"	Patricia	3	Sat. Feb. 27, 1:30 p. m.	Mar. 8
New York.....	Copenhagen.	Oscar II	4	Wed. Feb. 17, 2:00 p. m.	
New York.....	"	Island	4	Sat. Feb. 27, 2:00 p. m.	
New York.....	Glasgow	Furnessia	5	Sat. Feb. 27, Noon.	Mar. 8
New York.....	London	Minnetonka	5	Sat. Feb. 20, 8:00 a. m.	Mar. 1
New York.....	"	Menominee	6	Sat. Feb. 27, 9:00 a. m.	Mar. 8
Boston.....	Liverpool	Cymric	7	Thur. Feb. 18, 11:00 a. m.	Feb. 25
Boston.....	Alexandria	Romanic	7	Sat. Feb. 27, 6:00 a. m.	Mar. 16
New York.....	Liverpool	Celtic	7	Wed. Feb. 17, 6:00 a. m.	Feb. 24
New York.....	"	Cedric	7	Wed. Feb. 24, 11:00 a. m.	Mar. 2
New York.....	Southampton	St. Paul	8	Sat. Feb. 20, 9:30 a. m.	Feb. 26
New York.....	"	Philadelphia	8	Sat. Feb. 27, 9:30 a. m.	Mar. 4
New York.....	Antwerp	Kroonland	9	Sat. Feb. 20, 10:30 a. m.	Feb. 29
New York.....	"	Zeeland	9	Sat. Feb. 27, 10:30 a. m.	Mar. 7
New York.....	Havre	La Bretagne	10	Thur. Feb. 18, 10:00 a. m.	Feb. 28
New York.....	"	La Touraine	10	Thur. Feb. 25, 10:00 a. m.	Mar. 6
New York.....	Rotterdam	Statendam	11	Tues. Feb. 23.	Mar. 4
New York.....	Genoa	Sardegna	12	Tues. Feb. 23.	Mar. 4
New York.....	Bremen	Rhein	13	Tues. Feb. 16, 10:00 a. m.	Feb. 27
New York.....	"	Kronprinz Wilhelm	13	Tues. Feb. 23, 10:00 a. m.	Mar. 1
New York.....	"	Koenigen Louise	13	Thur. Feb. 25, 10:00 a. m.	Mar. 6
New York.....	Genoa	Lahn	13	Sat. Feb. 20, 11:00 a. m.	Mar. 3
New York.....	"	Prinzess Irene	13	Sat. Feb. 27, 11:00 a. m.	Mar. 11
Boston.....	Liverpool	Devonian	14	Wed. Feb. 17, 10:30 a. m.	Feb. 27
Boston.....	"	Winifredian	14	Wed. Feb. 24, 3:30 p. m.	Mar. 5

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

JOHN BREITMEYER'S
SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. * * * * *
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

DENVER.

The Park
Floral Co.

J. A. VALENTINE, Pres. DENVER, COLO.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Etruria	1	Sat. Feb. 20	Feb. 26
Liverpool.....	"	Lucania	1	Sat. Feb. 27	Mar. 4
Liverpool.....	Boston	Saxonia	1	Tues. Feb. 16	Feb. 23
Fiume.....	New York	Aurania	1	Fri. Feb. 19	
Glasgow.....	"	Corinthian	2	Sat. Feb. 27	Mar. 8
Genoa.....	"	Phoenicia	3	Thur. Feb. 13	Mar. 4
Genoa.....	"	Prinz Adalbert	3	Sat. Feb. 27	Mar. 13
Hamburg.....	"	Pretoria	3	Sat. Feb. 20	Mar. 1
Hamburg.....	"	Graf Waldersee	3	Sat. Feb. 27	Mar. 8
Copenhagen.....	"	Hecla	4	Wed. Feb. 17	
Copenhagen.....	"	Helig Olav	4	Wed. Feb. 24	
Glasgow.....	"	Ethiopia	5	Sat. Feb. 20	Mar. 1
London.....	"	Minneapolis	6	Thur. Feb. 18	Mar. 6
London.....	"	Marquette	6	Thur. Feb. 25	Mar. 6
Liverpool.....	Boston	Cret c	7	Thur. Feb. 18, 3:30 p. m.	Feb. 25
Alexandria.....	"	Canopic	7	Thur. Feb. 18, 3:00 p. m.	Mar. 7
Liverpool.....	New York	Majestic	7	Wed. Feb. 17, 3:30 p. m.	Feb. 24
Liverpool.....	"	Oceanic	7	Wed. Feb. 24, 3:30 p. m.	Mar. 2
Southampton.....	"	St. Louis	8	Sat. Feb. 20, Noon.	Feb. 27
Southampton.....	"	New York	8	Sat. Feb. 27, Noon.	Mar. 5
Antwerp.....	"	Finland	9	Sat. Feb. 20, 2:00 p. m.	Feb. 29
Antwerp.....	"	Vaderland	9	Sat. Feb. 27, 10:00 a. m.	Mar. 7
Havre.....	"	La Champagne	10	Sat. Feb. 20	Mar. 1
Havre.....	"	La Lorraine	10	Sat. Feb. 27	Mar. 8
Rotterdam.....	"	Rotterdam	11	Sat. Feb. 20	Mar. 1
Genoa.....	"	Sicilia	12	Mon. Feb. 15	Mar. 1
Genoa.....	"	Lombardia	12	Mon. Feb. 22	Mar. 8
Bremen.....	"	K. Wil. Der Grosse	13	Tues. Feb. 23	Mar. 1
Genoa.....	"	Konig Albert	13	Thur. Feb. 25	Mar. 9
Liverpool.....	Boston	Caadiao	14	Sat. Feb. 20	Mar. 1
Liverpool.....	"	Cestrian	14	Sat. Feb. 27	Mar. 8

* See steamship list on opposite page.

E. F. Winterson Co.

—Successors to—
McKellar & Winterson.
 ESTABLISHED 1894.

We are handling the cut of Rudd's "PHYLIS," the grand new pink—and new Seedling White (unnamed, but a "crackerjack") carnations. These arrive daily—get a sample shipment, but give us a day or two notice, as we sell them out as a rule in advance of arrival. Price, Phyllis, 6c; White Seedling, 4c.

FANCY EASTERN VIOLETS. The best that come into this market, \$1.00 per hundred.

EXTRA FINE HARRISII BLOOMS, 12c to 15c.

FANCY FREESIAS, 3c to 4c.

A daily supply from 34 GROWERS enables us to take care of shipping orders to the buyers' advantage.

Get our Weekly Price List. It is free and worth your while.

HEADQUARTERS FOR
Galax Leaves and all Greens.

"SUPERIOR QUALITY"
WILD SMILAX

—(NONE BETTER.)—
ALWAYS ON HAND.

We carry the most complete line of Florists' Supplies in the West. Catalogue free. Address all correspondence to

45-47-49 Wabash Ave., CHICAGO.

Orchids!

Just arrived in superb condition, a large shipment of **OENORBIUM NOBILE**, most useful for florists; also **Dend.**, **Chrysanthum** and others. To arrive, **Cattleya Trianae** and **C. Gigas**.

Lager & Hurrell, SUMMIT, N. J.
 Orchid Growers and Importers.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
 IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.	\$5.00
" " 30-in. "		4.00
" " 20-24 "		\$2.50 to 3.00
" " 15-18 "		1.50 to 2.00
" " Short stems.....	1.00 to 1.25	
	Per 100	
SUNRISE.....	\$4.00 to \$10.00	
CHATENAY.....	6.00 to 12.00	
BRIDE.....	5.00 to 8.00	
BRIDESMAID.....	5.00 to 8.00	
PERLE.....	5.00 to 8.00	
CARNATIONS.....	3.00 to 4.00	
ROSES, OUR SELECTION.....	4.00	

All flowers are perfectly fresh and properly packed.
 No charge for P. and D. on orders over \$5.

HOPKINSVILLE, KY.—Wm. F. Snyder is building a house 20x60 feet, with office and rooms, for displaying plants. The Foley Manufacturing Company is supplying the material.

GALAX LEAVES, ETC.,

Fresh New Crop.

Galax Leaves, Green and Bronze, per 1000..... \$.60
 Cut Fancy and Dagger Ferns, per 1000..... 1.00
 Leucothoe Sprays, Green, per 1000..... 3.00
 " " Red, per 1000..... 6.00
 Rhododendron Sprays, per 1000..... 5.00

Largest dealer in the U. S. Orders filled promptly. Send cash with order. Send 50c for a nice case, cut from the famous mountains of N. C. Nicely varnished, crooked or straight. Mention length desired and variety of wood—hickory, rhododendron, wahoo, poplar, striped maple, etc. Grand souvenir, besides useful. Try one or more.

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

GALAX...

Bronze or green, 75c per 1000, in 2,000 ots or 1 more. **Leucothoe Sprays**, green, 90c per 100. **Southern Smilax**, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. **Green Sheet Moss**, choice stock, \$2.50 per barrel sack. **Spagnum Moss**, \$1.75 per large bale.

FLORIST' SUPPLIES of Every DESCRIPTION.

Tel. 597 Madison Square. **L. J. KRESHOVER,**
 110-112 W. 27th St., New York.

It is good business policy
to mention the

American Florist

When you write to an advertiser.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Supplies, Dagger and Fancy Ferns, \$1.50 per 1000, A No. 1 quality. Bronze and Green Galax, \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO
BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St., CLEVELAND, O.
 BOTH PHONES.

We Carry a Full Line of Florists' Supplies and Make Wire Designs. Send Your Stock to Us on Commission.
 —WRITE FOR OUR WEEKLY PRICE LIST.—

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
S. F. Willard, Pres.; J. Charles McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-24, 1904.

THE price of White Pea beans has advanced 15 cents per bushel the past week.

THE Floral Publishing Company, of Springfield, Ohio, has failed. Assets, \$1,247.23; liabilities, \$43,488.97.

ONION set prices at Chicago range as follows: \$1.30 to \$1.35 for Yellows; \$1.40 to \$1.50 for Reds, and \$1.75 for Whites.

PRICES of \$6 to \$7 on fair grades of Stowell's Evergreen sweet corn are reported made at the Cannery Convention.

MAIL order business continues fairly slow. The trouble about such conditions is that the shortage in receipts is never made up.

TERRE HAUTE, IND.—Joseph L. Warder has bought out the Levings Brothers' Seed Company, an old established commission box seed house of Pekin, Ill.

SEED peas and onion seed continue slow and dealers are almost ashamed to mention them to possible buyers, seedsmen even in the smallest towns being overstocked with some kinds of peas and onions.

MEMPHIS, TENN.—The J. L. Ullathorne Seed Company has been incorporated by J. L. Ullathorne, O. C. Armstrong, A. S. Ullathorne, Hosmer J. Barrett, Geo. S. Hooper, W. A. Bickford and Henry Craft, and capitalized at \$100,000.

NORFOLK, VA.—The Cotton Oil and Fiber Company's big mills and the McNally oil manufacturing plant at Norfolk are both closed and many employes are out of work as a result of the scarcity and high prices of cotton seed.

COLUMBUS, OHIO.—Among the visitors at the canners' convention here the following firms were represented: The Everett B. Clark Company, Jerome B. Rice Seed Company, D. M. Ferry & Company, W. H. Grenell, M. Cushman, S. D. Woodruff & Sons, Goodwin Harries Company and M. G. Madsou Seed Company. Canners report generally that they are fairly well supplied with all seeds.

BALTIMORE, MD.—The following seedsmen suffered by the recent fire: John Bolgiano & Son, Griffith & Turner Company (Light street store), S. L. Lambert & Company, W. A. Simpson & Company, W. G. Scarlett, Jr., & Company, Field's Sons and C. N. Robinson & Company. All are burned out with heavy losses, which, however, are generally covered by insurance, and the stocks can be replaced. S.

At the canners' convention, which opened at Columbus, O., February 9, the Western Canned Goods Association elected the following officers: Dr. A. C. Fraser, Manitowoc, Wis., president; L. A. Sears, Chillicothe, O., vice-president; Ira S. Whitmer, Bloomington, Ill., secretary-treasurer. The above all served last year and have been re-elected. The Canned Goods Brokers elected James M. Paver, Indianapolis, president; Lincoln North, New York, vice-president; Lord J. Dillou, New York, secretary.

Santa Clara, Cal.

Thomas M. Landrum, secretary and assistant manager of C. C. Morse & Company, was married on January 25 to Miss T. Emily Pfister, of Santa Clara. They will spend two weeks in Southern California, when they will return to Gilroy, where they intend to reside in a pretty little cottage being erected for them by the company at Carnadero.

We are enjoying a very timely and bountiful rain, which began January 3 and still continues. Crops in the vicinity of Santa Clara are now assured, so far as rain is concerned, for at least another month, and promises are good for more rain and good times. C.

Adulteration of Seeds.

OTTAWA, ONT.—The Minister of Agriculture hopes to secure the adoption this session of the bill he had before parliament last year to prevent the adulteration and mixing of seeds. He is satisfied after inquiring that careless seed collection has resulted in the spread of many noxious weeds, and is determined that this menace to agriculture shall not be permitted to continue. There was strong opposition, however, to the means by which it was proposed to achieve this object.

LILY OF THE VALLEY.

FINEST BERLIN PIPS, for Early Forcing,
\$12.00 per 1000; \$30.00 per case 2500;
\$1.50 per 100.

These are strong pips, well rooted and give best satisfaction.

FINEST CUT VALLEY ALWAYS ON HAND.

H. N. BRUNS,
VALLEY SPECIALIST,

1409-1411 W. Madison St., CHICAGO.

Please mention the American Florist when writing

LILY OF THE VALLEY SELECTED DRESDEN.

Unequaled for early forcing. No. 1 Stock per 100,
\$1.50; 250, \$3.50; 500, \$6.50; 1000, \$13.00; case
2,500 pips, \$30.00. * * * * *

R. & J. FARQUHAR & CO., 6 and 7 So. Market Street,
BOSTON, MASS.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

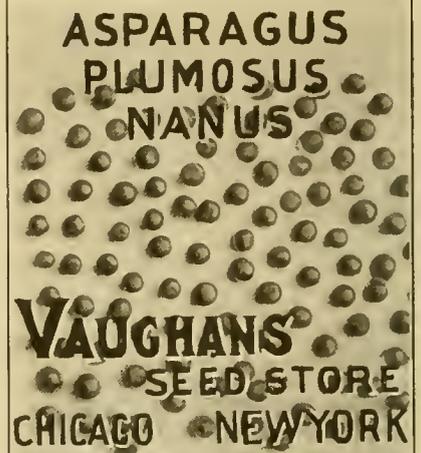
Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, SEED GROWERS,
PHILADELPHIA, PA.

Better Than the Others.

ED. AM. FLORIST:—Enclosed is \$1 for another year's subscription to the AMERICAN FLORIST. I have sent for sample copies of three different florist papers this winter but none is up to the AMERICAN FLORIST. C. W. SIBLEY.

Athol, Mass.



WE INVITE COMPARISON OF OUR SEED WITH OTHERS. SAMPLES SUPPLIED.

"Once Grown Always Grown"

The Maule motto for more than 25 years. My new

SEED

BOOK for 1904

Cost over \$50,000 to publish. If you have a garden you can have a copy for the asking. Send a postal for it to Wm. Henry Maule, Philadelphia, Pa.

ADIANTUM CROWEANUM

By far the best Adiantum fern that has been introduced to the Florists' trade, is a free grower, the darkest green of the Adiantum family and longest stemmed, has the most graceful foliage, the average length of fronds measuring 30 inches, is by far the best keeper; cut fronds can be kept fresh several weeks in a cool place, and it is also one of the best ferns for a dwelling house. I have given presents of this fern to several Utica friends and from my own observation note it grows better than the Boston fern.

And as I have given up rose cultivation some ten months ago, in order to give all my attention to the fern cultivation, for cut fronds, I find it pays me \$1.50 to \$1.00 on roses, from the same amount of bench room. I will be delighted to give the history, also cultivation of this fern to any purchaser who may desire it.

Utica, N. Y.

MR. PETER CROWE.

Dear Sir:—Regarding your fern, Croweanum, would say that I have had the variety under observation since your stock appeared. Also that I have used many thousands of the cut fronds, believe it to be positively the best Fern of any family for Florist use and welcome the chance to buy a stock at what I believe to be a very low rate.

Very truly,

C. F. BAKER & SON.

Detroit, Mich.

DEAR FRIEND CROWE:—

I am very happy to hear that another good thing is about to be launched, and that in the fern line. I am satisfied Croweanum is by far the best Adiantum in existence, every frond being perfect. It is certainly an easy grower and money maker. You are deserving of a great success and know you will have it. Hoping for the visit at the Carnation meeting, I am,

Yours very truly,

PHILIP BREITMEYER.

New York, N. Y.

MR. PETER CROWE.

Dear Sir:—During the two years in which I have had the sale of the fronds of Adiantum Croweanum in New York City, the demand has at all times far exceeded the quantity you have been able to supply me with at \$1.50 per 100, while ordinary Cuneatum has been, as a rule, in over supply at half that price.

It is without question, the best Fern for cut fronds ever seen in this market.

Respectfully yours,

JOHN I. RAYNOR.

Boston, Mass.

MR. PETER CROWE. Dear Sir:—Having had occasion to note the sale of Adiantum Croweanum in the New York market during the past eighteen months, I have been impressed with its great superiority for florists' use, as cut fronds, and have observed with pleasure the eagerness with which it has been bought by the trade. I congratulate you on the possession of a variety of such sterling commercial merit.

Very truly yours, WM. J. STEWART.

Natick, Mass.

MR. PETER CROWE. Dear Sir:—I am very pleased to hear that you have decided to put plants of your fern Adiantum Croweanum on the market. I have always been more or less interested as I understand it originated from some plants of Adiantum Cuneatum that I sold you at the Waban Conservatories in the early eighties. I remember the circumstances very well, as I hold the balance of our stock to Robert Craig in 1890.

Wishing you every success with it, I remain,

Yours truly, ALEXANDER MONTGOMERY.

Washington, D. C.

MR. PETER CROWE. Dear Sir:—The fern has been very satisfactory, and we will place a regular order next season for some.

Yours truly,

Z. D. BLACKSTONE.



Philadelphia, Pa.

MR. PETER CROWE.

Dear Sir:—I consider your Adiantum Croweanum a very valuable acquisition to this line of Ferns. It is an excellent commercial variety, good keeper and has given the best satisfaction wherever we have sold it. Our customers much prefer paying an extra price for it than buying the commoner varieties. The great trouble we find is, we cannot get enough to meet our customers' wants.

Yours very truly,

SAMUEL S. PENNOCK.

Rochester, N. Y.

MR. PETER CROWE:

Dear Sir:—We have used your Adiantum Croweanum for several years and must say it beats any Adiantum we ever had. It is certainly par excellence.

Yours truly,

SALTER BROS.

Denver, Colo.

PETER CROW, Esq.

Dear Sir:—As compared with any other Adiantum, we have found it more graceful and a much rapid grower, giving a much taller growth than we have ever been able to Cuneatum. Our store men, prefer it to any other cut fern. I certainly think it ought to be a winner, not only for you, but for those who buy it.

Yours truly,

J. A. VALENTINE, Pres.,
Park Floral Co.

Honolulu, H. I.

MR. PETER CROWE. Dear Sir:—Your Croweanum sent on October 17, came to hand on 29th ult., in very fair condition. Kindly send me full information in regard to it.

Respectfully yours,

C. F. TRUE.

Southport, Conn.

MR. PETER CROWE. Dear Sir:—Adiantum Croweanum is certainly a fine thing, shall want some as soon as you disseminate it.

Very truly yours,

ENW. J. TAYLOR.

San Mateo, Cal.

MR. PETER CROWE. Dear Sir:—Croweanum arrived here in good saleable condition; stems were longest we ever saw in Cuneatum type. Wish you success and a big sale.

Yours very truly,

FICK & FABER.

Summit, N. J.

MR. PETER CROWE. Dear Sir:—Have examined Croweanum with interest. Shall want it as soon as you send it out. It is certainly a great improvement and I am sorry I cannot get some at once.

Yours truly,

E. C. MCFADDEN.

Boston, Mass.

MR. PETER CROWE. Dear Sir:—We readily disposed of Croweanum for a much higher price than we receive for Adiantum of ordinary varieties shipped in by our growers. Respectfully,

WELCH BROS.

The plants which will be ready for sale by the 1st of July next, will be from benches and large enough for 4-inch pots, as it is a rapid grower and no easy matter to confine it to a 3-inch pot. The photograph of the small fern shows character of plants, when ready to be shipped 1st of July. The prices will be as follows:

\$35.00 per 100.

\$250.00 per 1000.

**250 AT
1000 RATE.**

PETER CROWE, Utica, N. Y.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN. N. W. HALE, Knoxville, Tenn., Pres.; FRANK A. WEBER, St. Louis, Mo., Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

SANTA BARBARA, CAL.—The extensive collection of bamboos and other ornamental plants grown by the Southern California Acclimatizing Association is being dispersed, the land being required for building purposes.

THE senate committee on public lands has authorized a favorable report on the bill providing means for acquiring groves of Sequoia gigantea, in the state of California, with a view to making these tracts a national park.

MADISON, Wis.—The closing meeting of the Wisconsin State Horticultural Society February 5 was in honor of its dead members. The memorial session was for Henry Terrant, A. Clark Tuttle and Z. K. Jewett.

White Pine Seed.

One of our correspondents is in the market for a quantity of white pine seed. Those who are in a position to supply same should advise us.

Lowell, Mass.

During the last two weeks we experienced the severest winter weather we have had for years, the mercury going down to 30° below zero. It has been so severe that it almost put several growers out of business.

Geo. Buxton, of Nashua, N. H., is sending to town some excellent carnations of his own creation, Marion Buxton. His carnations in general are as good as one could wish for.

Frank Sladen has something of a novelty in the way of a new cypripedium carrying two blooms on a stem.

A. M.

Advertisement for J. F. Muller Nursery, Rellingen, Germany, featuring 'OVER 1000 ACRES OF FINEST CULTURES' and 'IMPORT & WHOLESALE ONLY EUROPEAN NURSERIES'.

Please mention the American Florist when writing.

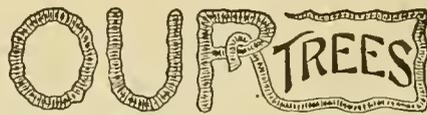
NOW IS THE TIME TO ORDER

Table listing various plants and their prices per 100, including Exochorda Gril., Lonicera, Ampelopsis Japonica, etc.

Write for Wholesale and Descriptive Catalogue.

P. J. BERCKMANS CO., (Inc.) FRUITLAND NURSERIES, AUGUSTA, GA. Established 1856.

Please mention the American Florist when writing.



THE STORRS & HARRISON CO., Ficus, Ferns, Roses, etc. Correspondence solicited.

etc., have been the standard of excellence for half a century. Fruits and Ornamentals. Box 260, Painesville, Ohio.

Please mention the American Florist when writing.

SEND TO

Eastern Nurseries, FOR VINCA MINOR JAMAICA PLAIN, MASS.

FINE LARGE CLUMPS. FOR SALE CHEAP.

August Rölker & Sons, IMPORTERS OF

Palms, Bay Trees, Auracarias, etc. Decorative Plants for spring delivery; Lily of the Valley, Lilacs, Forcing Bulbs, etc.

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

J. DIJKHUIS & CO.

BOSKOOP-HOLLAND.

QUALITY. QUANTITY.

Ask our prices for

AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.

Price List Free on Application.

KOSTER & CO.

Hollandia Boskoop, Holland.

HARDY AZALEAS, BOX TREES, CLEMATIS, CONFIFERS, HYDRANGEAS, PEONIES.

Pot-Grown Plants for Forcing.

RHODODENDRONS, H. P. ROSES, Etc.

No Agents. Catalogue free on demand.

Please mention the American Florist when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

Please mention the American Florist when writing.

THE MOON Company

Advertisement for 'THE MOON Company' featuring a crescent moon and text: 'Send to THE MOON Company For Trees, Shrubs, Vines and Small Fruits. Descriptive Illustrated Catalogue Free THE WM. H. MOON CO. Morrisville, Pa.'

Please mention the American Florist when writing.

California Privet...

Per 1000 12,000, 1 year, 18 to 24-inch, very bushy... \$11.00 15,000, 1 year, 12 to 18-inch, well branched... 8.50

CANNAS, Strong Eyes.

Table listing prices for Cannas, including Egandale, Charles Henderson, Chicago, Florence Vaughan, Mme. Crozy, and Austria.

We also have 6 000 Biota Rosedale in all sizes. This is the best florists' Evergreen in the list. Our stock will please you.

FURROW BROS., Guthrie, Okla.

Please mention the American Florist when writing.

CALIFORNIA PRIVET.

Table listing prices for California Privet in various quantities and sizes, from 200,000 to 100,000 cuttings.

Also have a large stock in Asparagus Roots, 2 yrs., Palmetto and Barrs. 30,000 Canna Roots, 50,000 Tuberose Roots, 5,000 Geraniums, 2 1/2 pots, all good stock and low prices. Write for trade list.

J. H. O'HAGAN, Little Silver, N. J.

Please mention the American Florist when writing.

YOU BET IT IS

The quality that does the talking.

JOHN SCHEEPERS, member of R Schoo & Legom (Holland) and of Multiflora Nurseries, Boskoop, (Holland) will furnish you same and for reasonable prices at that. Write to day.

136 Water Street, NEW YORK.

THE Brockton Dahlia Farm.

The largest and finest collection of Dahlias in the United States, consisting of all the leading varieties. Send for price list.

W. P. LOTHROP, East Bridgewater, Mass.

DREER'S Summer Flowering Bulbs.



TUBEROUS ROOTED BEGONIAS.

Single Flowered, Scarlet, Crimson, White, Yellow, Rose and Orange, 40 cents per dozen; \$3.00 per 100; \$25.00 per 1000.
Choicest Single Flowered in Mixture, 35 cents per dozen; \$2.50 per 100; \$22.00 per 1000.
Double Flowering, Scarlet, Rose, White and Yellow, 65 cents per dozen; \$5.00 per 100; \$40.00 per 1000.
Choicest Double Flowering in Mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

Two Great Tuberous Rooted Bedding Begonias

DUKE ZEPPELIN and LAFAYETTE

See colored illustration of these two varieties on cover of our new 1907 Catalogue; they are the most brilliant among all the Begonias and invaluable either as pot plants or for bedding.

Duke Zeppelin, Pure Rich Scarlet, 15 cents each; \$1.50 per dozen; \$12.00 per 100.

Lafayette, Brilliant Crimson Scarlet, 25 cents each; \$2.50 per dozen; \$18.00 per 100.

NEW HYBRID FRILLED TUBEROUS BEGONIAS

A unique form with flowers of immense size, with wavy or frilled petals similar to the best forms of single petunias, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

GLOXINIA GRASSIFOLIA GRANDIFLORA

A very fine selected strain, strong, well-matured bulbs. Red, White, Blue, Red with white border, Blue with white border, in separate colors or in choicest mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

MISCELLANEOUS BULBS

	Per Doz.	Per 100	Per 1000
Amaryllis Formosissima	\$.30	\$ 2.00	\$15.00
Johnsonii	2.00	15.00	
Amorphophallus Rievierii	2.00	15.00	
Caladium, Fancy Leaved, 25 named sorts	1.25	10.00	
Choicest Mixture	1.00	8.00	
Esulentum, 6 to 8-inch bulbs	.40	3.00	
Esulentum, 8 to 10-inch bulbs	.65	5.00	
Esulentum, 10 to 12-inch bulbs	.90	7.00	
Esulentum, 12 to 13-inch bulbs	1.25	10.00	
Hyacinthus Cardians	.30	2.00	
Ismine Calatrina	1.50	10.00	
Lilium Auratum, 8 to 9-inch	.75	5.00	
" 9 to 11-inch	1.00	8.00	
" 11 to 13-inch	1.75	14.00	
Lilium Speciosum Album and Rubrum, 7 to 9-inch	.90	7.00	
Gladiolus, American Hybrids, choicest mixture	.15	1.00	9.00
Groff's Hybrids, choicest mixture	.35	2.50	22.00
Madeira Vines	.30	2.00	15.00
Montbretias, 5 choice named varieties	.25	1.75	12.50
Tigridia Conchiflora, Grandiflora Alba and Pavonia	.30	2.00	15.00
Tuberoses, Double Pearl, selected, 6 to 8-inch	.20	1.00	8.00
Double Pearl, fine, 3 to 4-inch	.10	.60	5.00

For a complete list of all seasonable Bulbs including the best list of up-to-date Dahlias, see current Wholesale Price List.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.



NEW LARGE-FLOWERING CALLA CALLA DEVONIENSIS.

Blooming Callas From Seed in One Year
 100 seeds, 75c; 1000 seeds, \$6.00.

Streptocarpus Vaughan's Giant Hybrids.

This seed should be sown in February or March and commence blooming in July or August, and if the seed pods are removed as fast as they appear, the plants will bloom all winter. These Giant Hybrids are the best that exist in Streptocarpus and will produce flowers two or three times larger than those of the ordinary strain, in colors ranging from pure white through lavender, purple, violet, red and rose. Trade pkg. (500 seeds). 60c.

Vaughan's Seed Store,

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

Cannas,

Strong Root Pieces, averaging 2 to 3 eyes.

ALPHONSE BOUVIER.

ALSACE.
 AUSTRIA.

BLACK BEAUTY, \$7.00 per 100.

BASSETT'S RED, \$3.00 per 100.

CHARLES HENDERSON.

CRIMSON BEDDER.

DUKE OF MARLBOROUGH.

EGANDALE, \$3.00 per 100.

FLORENCE VAUGHAN.

MME. CROZY.

MRS. KATE GRAY, \$5.00 per 100.

PRES. CARNOT.

PRES. CLEVELAND.

PROGRESSION.

QUEEN CHARLOTTE.

ROBERT CHRISTIE.

SAM TRELEASE, \$4.00 per 100.

SOUV. DE ANTOINE CROZY.

UNLESS NOTED \$2.00 per 100; \$18.00 per 1000. WRITE FOR PRICES ON LARGE LOTS.

The Storrs & Harrison Co., Painesville, Ohio.

Please mention the American Florist when writing.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Please mention the American Florist when writing.

Van der Weijden & Co.

THE NURSERIES, BOSKOOP, HOLLAND.

Wholesale Growers of Rhododendrons, Azaleas, Magnolias; Conifers, Taxus, all sizes and varieties. Pot grown plants for forcing. H. P. Roses in every quantity. Some Crimson Ramblers left, strong.

No Agents. Catalogue Free. No Agents.

CANNAS

We devote a large acreage of ground to the cultivation of Cannas, and our list of varieties is complete, including all the novelties and standard kinds. Prices as low as any for first class stock. Write for price list.

WAGNER PARK CONSERVATORIES,

Sidney, Ohio.

Please mention the American Florist when writing.

Cannas...

A collection of best varieties, dry roots at \$12.50 per 1000; 10,000 for \$100.00. Names of varieties on application.

C. G. NANZ, Owensboro, Ky.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST

THE AMERICAN FLORIST

Please mention the American Florist when writing.

OUR PASTIMES.

Announcements of coming contests or other events of interests to our bowling, shooting and sporting readers are solicited and will be given place in this column. Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York. Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., Chicago, Ill.

At New York.

The Florists' Bowling Club met Monday afternoon, February 8, at the Twenty-third street alleys and the following scores were recorded:

Player.	1st	2d	3d
Frank.....	133	113	145
Siebrecht.....	171	125	131
Gibbs.....	141	95	142
Mansfield.....	157	175	145
Butterfield.....	101	125	
Hafner.....	138	131	
Guttman.....	134	151	127
Shaw.....	131	130	169
Burns.....	120	140	148
Lang.....	165	174	
Bennett.....	126		

Next Monday evening a prize bowling contest will be on and all members of the Florists' Club are invited to bring prize packages and participate in the fun.

At St. Louis.

The Bowling Club met as usual on Monday night. Team 2 won. Kuehn was high man with a total of 587.

TEAM 1.				
Player	1st	2nd	3d	T'1
Kuehn.....	237	162	188	587
Weber.....	155	150	142	447
Beneke.....	123	115	178	416
Ellis.....	145	107	134	386
Weber.....	123	115	109	337

TEAM 2.				
Player	1st	2nd	3d	4th
Beneke.....	163	198	203	564
Miller.....	165	167	139	471
Meinhart.....	132	124	118	374
Young.....	139	131	101	371
Sturtz.....	154	195	172	521

2301
F. K. B.

At Philadelphia.

Although there is not much excitement in bowling circles in this quiet town, the regulars keep pegging away and many good scores are made. A new four-team league has been formed, in which the second team of the club has been entered. The most fun in the alleys appears to be the post mortems that are held after close games. Old man "Bake" is generally chief official on these occasions, and his diagnosis is worth going a mile to hear. Prize bowling for the ladies on February 22 will no doubt bring out

great scores. The January averages follow:

Moss.....	174	Burtin.....	151
Connor.....	168	Kift.....	150
Starkey.....	164	Anderson.....	147
Graham.....	159	Baker.....	147
Westcott.....	159	Gibson.....	144
Harris.....	154	Craig.....	144
Watson.....	153	Dungan.....	130
Foeck.....	153	Gardener.....	125
Dunlap.....	151	Baxter.....	123

At Chicago.

An event of interest to the bowlers took place on the evening of February 5 at Benzinger's Monroe street alleys. In a match of seven games, total pins to count, E. C. Benthey defeated E. F. Winterson, one of the Florists' Club cracks, by a margin of 281 pins. The totals were: Benthey, 1128; Winterson, 847. Another set-to between the same contestants is promised for the near future.

Another merry bowling party held the boards at Geroux alleys Tuesday evening, February 9. Three informal games were rolled with the following scores:

Player	1st	2d	3d
Stevens.....	174	166	146
P. J. Hauswirth.....	139	131	131
John Degnan.....	101	122	128
Geo. Scott.....	134	138	143
L. H. Winterson.....	104	113	101
G. Asmus.....	146	150	159
E. F. Winterson.....	159	129	149
Newett.....	106	144	153
L. Kill.....	132	127	79
Essa.....	165	125	131
V. Kreitling.....	123	134	131

LADIES.

Player	1st	2d	3d
Mrs. Winterson.....	119	80	77
Mrs. Scott.....	48	59	64
Mrs. Kill.....	119	115	111
Mrs. Hauswirth.....	87	99	108
Mrs. Kreitling.....	99	112	106
Mrs. Melins.....	79	83	68

AKRON, O.—Hitchings & Company have just completed for C. B. Raymond a house 20x120 heated with hot water and fitted with one of their sectional boilers.

WARWICK, R. I.—A fire starting in the ventilator and fanned by a fierce wind, totally destroyed the barn and greenhouses of J. A. Foster February 2. The loss is more than \$20,000, partly insured. Four valuable horses, other stock and the entire contents of the building were consumed.

FOND DU LAC, Wis.—Mrs. Ernest Haentzied on the morning of February 7, after a brief illness. She had been a sufferer from diabetes at different times for eight years. The deceased was born in Gemuenden, Germany, in 1841. She, as her husband, was an enthusiastic florist, and she worked for many years with her husband at their greenhouses on Linden street. She is survived by her husband, five sons and one daughter. The funeral occurred Wednesday, February 10.



4 Grades of
TEA ROSES
"Specials"
"Selects"
"1st"
"2nd"

The "Specials" are highest possible quality in color, stem and foliage and are far superior to what are usually called "BEST." Price 10 cents, The "Selects" are equally fine, but not quite so large. Price 8 cents, The "Firsts" are good standard roses in every way at a popular price 5 cents, The "Seconds" are good clean buds, with stems 6 to 9 inches. Price 3 cents. **BEAUTIES, all grades at market prices.**

Careful packing and shipping to any distance.
HELLER BROS., NEW CASTLE, IND.

THE ANNUAL FLOWER AND PLANT SHOW

Under the Auspices of the

Boston Co-Operative Flower Growers' Association.

Will take place at the BOSTON FLOWER MARKET,

161-163, Columbus Avenue, **BOSTON, MASS.**

Saturday, February 27, 1904, from 9 O'clock A. M. to 5 O'clock P. M.

Further particulars for intending exhibitors may be had on application to the Secretary.

COMMITTEE:

WM. NICKOLSON, Chairman,

E. SUTERMEISTER,

GEORGE CARTWRIGHT.

Minneapolis.

The last week's trade was fairly good and stock seems sufficient to meet all demands excepting tea and Beauty roses. The weather has been exceedingly disagreeable and eastern trains have been from two to eight hours late, so that the retailer ordering from these points experienced many disappointments in trying to supply his customers. Carnations have been increasing in supply, as have violets. Quality is all that is desired. Bulbous stock of all kinds has shortened up. There seems to be a promising outlook for an increased cut of tea and Beauty roses for some time to come. Valley of choice quality is being shipped in.

R. Wessling has the distinction of having a "count" in his employ. The said party coming to this city with \$300 in his pocket straightway hired a "cabby" to drive him around the city. The result was he imbibed too much, and was released of his \$300 and now has to go back to his old trade, which he claims is the culture of flowers.

Irving Kimball, of Anoka, Minn., was in the city last week. He is growing carnations and is meeting with success. His attention was formerly given to vegetable production.

John Monson of the Minneapolis Floral Company says the firm intends to add a range of carnation houses in the spring.

The coal question has caused the growers much annoyance during the cold snap as the quality is very poor.

The Florists' Club social dance February 4 was well attended by the old as well as the young.

H. A. Bunyard, of New York, was a caller last week and attended the Florists' Club dance.

W. A. Sauer, of the East Side Floral Company, is the proud father of a new bright baby boy.

Hopper & Schamp are getting ready for the construction of their new range.

Walter Kerridge is busy on decorations and has some good orders booked.

R. G. Mendenhall has been confined to his bed the last week by illness.

Hans Rosacker is marketing some choice violets. C. F. R.

Providence, R. I.

Business continues in the familiar slow rut despite the fact that flowers are in crop and medium-priced. Carnations at \$2 and \$2.50 per 100, roses at 3 to 6 cents each and violets 40 to 50 cents per 100 are the prevailing rates. Narcissus is very slow at \$1 and \$1.50 per 100. Romans bring 2 cents and tulips 3 cents wholesale. Smilax is plentiful at 10 cents per string and maidenhair is short at 75 cents per 100.

With the exception of J. A. Foster's fire there is nothing new to report. Mr. Foster lost several thousand dollars in barns, horses, etc., and a couple of forced vegetable houses, but the carnation range with its valuable stock remains unharmed much to the relief of Wm. Macnair, who handles the product in Providence and who appreciates the skill of Wm. Burke as a grower. M. M.

OSHKOSH, Wis. — John Nelson has recently contracted with Riemer & Radmer, of Milwaukee, to install a Furman sectional boiler in his greenhouse. This change was caused by his old wrought iron boiler giving out. He has suffered no loss of stock, although the weather has been very severe.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Flamingo, March delivery.....	\$12.00	\$100.00	Mrs. M. A. Patten.....	\$12.00	\$100.00
Lady Bountiful.....	12.00	100.00	White Lawson, March delivery...	12.00	100.00
The Belle.....	12.00	100.00	Albatross, March delivery.....	10.00	80.00
Indianapolis.....	12.00	100.00	Crusader.....	10.00	80.00
Nelson Fisher, March delivery.....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Enchantress.....	\$6.00	\$50.00	Harlowarden.....	\$6.00	\$50.00
Estele.....	4.00	30.00	Lillian Pond.....	5.00	40.00
Fragrance.....	6.00	50.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Golden Beauty.....	5.00	40.00	Pres. McKinley.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	The Queen.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00	White Bradt.....	6.00	

STANDARD SORTS.

	Per 100	Per 1000		Per 100	Per 1000
America.....	\$1.75	\$15.00	Morning Glory.....	\$2.50	\$20.00
Cressbrook.....	4.00	30.00	Mrs. F. Joost.....	1.75	15.00
Enquirer.....	2.50	20.00	Mrs. H. N. Higinbotham.....	4.00	35.00
Ethel Crocker.....	1.75	15.00	Mrs. E. A. Nelson.....	4.00	35.00
Flora Hill.....	1.75	15.00	Mrs. Potter Palmer.....	3.00	25.00
Genevieve Lord.....	1.75	15.00	Mrs. Thos. W. Lawson.....	2.50	20.00
G. H. Crane.....	2.50	20.00	Norway.....	1.75	15.00
Gov. Roosevelt.....	3.50	30.00	Prosperity.....	2.50	20.00
Lorna.....	3.00	25.00	Queen Louise.....	1.75	15.00
Marquis.....	1.75	15.00	White Cloud.....	1.75	15.00

DORMANT CANNAS.

Strong 2-3 eyed bulbs. TRUE STOCK.

	Per 100		Per 100
Allemania.....	\$3.00	Mme. Lonis Druz.....	\$ 2.50
Burbaok.....	2.00	Mlle. Berat.....	2.50
Black Beauty.....	7.00	Mme. Crozy.....	2.00
Chas. Henderson.....	2.00	Monsieur Jarry Desloges.....	3.00
Chicago.....	6.00	Mrs. Kate Gray.....	5.00
Duke of Marlborough.....	2.00	Mont Blanc.....	20.00
David Harum.....	6.00	Pennsylvania.....	5.00
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Leonard Vaughan.....	4.00	Secretaire Chabanne.....	2.00

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STRONGLY ROOTED

CARNATIONS NOW READY.

GROWN OUT OF DOORS AND ROOTED WITHOUT HEAT.

WHITE.		Per 100	1000	SCARLET.		Per 100	1000		
Queen Louise.....	\$1.20	\$10.00	J. H. Manley.....	\$3.50	\$30.00				
Flora Hill.....	1.20	10.00	G. H. Crane.....	1.20	10.00				
Alba.....	3.40	30.00	America.....	1.20	10.00				
Gov. Wolcott.....	3.40	30.00	Mrs. Palmer.....	1.20	10.00				
Norway.....	1.20	10.00	Apollo.....	3.50	30.00				
Lillian Pond.....	5.00	45.00	Adonis.....	7.00	65.00				
Chicot.....	1.20	11.00	CRIMSON.						
Viola Allen.....	3.00	25.00	Harlowarden.....	5.00	45.00				
				Gov. Roosevelt.....	1.50	11.00			
				YELLOW.					
				Eldorado.....	1.00	9.00			
				VARIEGATED.					
				Marshall Field.....	5.00	45.00			
				Stella.....	3.00	25.00			
				Armazindy.....	1.00	9.00			
				Prosperity.....	1.40	12.00			

25 of any one kind at 100 prices. 250 at 100 prices.

We prepay express charges and will ship C. O. D. with the privilege of examination, we assuming all the responsibility of Cuttings arriving in good condition and proving satisfactory.

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NEW CARNATION Louise Naumann

Dark pink. Produces far more than Lawson and is a better color. With this variety you can pick every day the year around. Always heavy with buds and flowers. Most excellent keeper. Size, 3-3½ inches. Friaged and never bursts or fades. Averages 25 flowers per plant a season, more than any variety I have ever grown. Come and see them grow. Order now for February and March Delivery, \$1.25 per Doz.; \$8.00 per 100; \$70.00 per 1000. Also Rooted Cuttings of ENCHANTRESS, \$6.00 per 100.

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Greenhouses, 2.82 Park Ave. David S. Beach, Prop.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wideawake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50

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

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HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful practical florist. Illustrated. \$2.00.

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Indianapolis

The best bright pink carnation in sight. Come and see it growing. Awarded Certificate of Merit Indiana State Florists' Ass'n, Jan. 12, 1903. Scored 85 points Chicago, Nov. 18, 1903. Certificate of Merit, Cincinnati Florists' Club, Jan. 9, 1904. Certificate of Merit, Indiana State Florists' Ass'n., January 12, 1904. What more could you ask? \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

A FINE LOT OF STANDARD SORTS.

	Per 100	1000	Per 100	1000
McKinley	\$3.00		Floriana	2.00 18.00
Harlowarden	5.00		Q. Louise	2.00 18.00
Her Majesty	5.00		E. Crocker	1.50 12.50
Flora Hill	1.50 \$12.50		Lawson	2.00 18.00
Crane	2.50 20.00		G. Roosevelt	2.00
Estelle	3.00 25.00		P. Palmer	3.00
W. Cloud	1.50 12.50		E. A. Nelson	3.00
Lorna	2.00 18.00		Apollo	3.00
Viola Allen	3.00 25.00			

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Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

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FLORA HILL	\$2.50	\$20.00	PERU	3.00	25.00
THE SPORT	2.50	20.00	WHITE CLOUD	2.50	20.00
MRS. LAWSON	3.00	25.00	AMERICA	2.50	20.00
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BRIDE	\$12.50 per 1000	IVORY	\$12.50 per 1000
BRIDESMAID	12.50	GOLDEN GATE	12.50

Lots of 500 at 1000 rate.

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The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

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Carnations Rooted Cuttings.

Now ready lots of them. For a limited time at these low prices. If not satisfactory on arrival return them, when money will be refunded.

	Per 100	1000
Mrs. T. W. Lawson	\$1.25	\$12.00
Flora Hill	1.00	10.00
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Geraniums. 2 and 2½-inch, fine plants, S. A. Nutt and La Favorite, \$3.00 per 100; \$25.00 per 1000.

We guarantee to please you in every way.

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FINE HEALTHY STOCK.

	Per 100	1000
Enchantress	\$6.00	\$50.00
Gov. Wolcott	5.00	40.00
Lawson	2.50	20.00
Genevieve Lord	1.75	15.00
White Cloud	1.75	15.00

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CRUSADER...

Best scarlet carnation ever introduced or in sight. No stem rot; strong grower; no splitting; extremely free; 3 inches long, strong stems. COME AND SEE IT. Price, \$10.00 per 100; \$80.00 per 1000.

SEE OUR AD. ON THIS PAGE FOR OTHER VARIETIES

CHICAGO CARNATION COMPANY, Joliet, Ill.

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Well Rooted. Ready Now.

	Per 100	1000
Enchantress, light pink.....	\$5.50	\$50.00
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Her Majesty, white.....	4.50	40.00
Lillian Pond, white ..	4.50	40.00
Pres. McKinley, dark pink.....	4.50	40.00
Dorothy Whitney, yellow.....	4.50	40.00
Gov. Wolcott, white.....	4.00	30.00
Estelle, scarlet	3.00	25.00
Mrs. T. W. Lawson, dark pink	2.00	17.50
Mrs. Higinbotham, light pink...	4.00	30.00
Prosperity	2.00	16.00
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Fair Maid.....	4.00	30.00
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NEW VARIETIES, For January Delivery.

Crusader, best scarlet.....	\$10.00	80.00
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Send for price list of above and other varieties.

Chicago Carnation Co. JOLIET, ILL.

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We now have ready good, well-rooted Cuttings, from the following varieties:

	100	1000		100	1000
Enchantress	\$6.00	\$50	Eldorado.....	\$2.50	\$20
Fair Maid.....	3.00	25	Maoley.....	4.00	30
Fragrance.....	6.00	50	Adonis.....	4.00	30
The Queen.....	5.00	40	Lawson.....	2.50	20
Boston Market..	4.00	30	Joost.....	2.50	20
Gov. Wolcott.....	5.00	40	Harlowarden..	6.00	50
Bradt.....	3.00	25	Harry Fenn... 5.00	40	
Prosperity.....	2.50	20			

NEW VARIETIES FOR 1904—

Nelson Fisher.....	\$12.00	\$100.00
Mrs. M. A. Patten.....	12.00	100.00

All selected cuttings from healthy stock. Send n your order now and secure early delivery.

BACKER & CO., Long Dis. Tel. BILLERICA, MASS.

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NEW LIGHT PINK CARNATION

"NEW DAYBREAK"

To the commercial grower who is looking for profit, this variety is all that its name implies, and will at once commend itself as the old Daybreak reincarnated without its faults. Color, true Day-break shade, of Daybreak and S. not extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper. Price, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000. OTHER NEW AND STANDARD VARIETIES.

Chrysanthemums. The best American and best standard sorts. Write for Price List.

H. WEBER & SONS, Oakland, Md.

NEW WHITE CARNATION FOR 1904.

The Bride

This variety was the winner of the first prize for best 100 white at the Carnation Convention Show in Brooklyn last February and is unquestionably the best white in sight.

PRICE, \$2.50 per Dozen; \$12.00 per Hundred; \$100.00 per Thousand.

JOHN N. MAY, Summit, N. J.

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VESPER

Finest white Carnation on Market this year; flowers 3 in. to 3 1/4 in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

	Per 100	Per 1000		Per 100	Per 1000
Adonis.....	\$7.00	\$50.00	Lawson.....	\$2.50	\$20.00
Enchantress.....	6.00		Queen Louise.....	2.50	20.00
McKinley.....	4.00	30.00	Mrs. Bradl.....	2.50	20.00
Estelle.....	4.00	30.00	Flora Hill.....	2.00	15.00
Nelson.....	3.50	30.00	Mrs. Joost.....	1.50	12.50

CASH. NO C. O. D.—

Wm. C. SMITH, 61st & Market Sts., Philadelphia, Pa.

HEALTHY CARNATIONS

Stock Guaranteed. Come and See Before Buying.

	Per 100	1000
White Cloud, white.....	\$1.50	\$12.50
Queen Louise, white.....	1.50	12.50
Bradt, variegated.....	2.50	20.00
Prosperity, variegated.....	2.25	20.00
Lawson, pink.....	2.25	20.00
Crane, red.....	2.25	20.00
Enchantress.....	6.00	50.00

Sand rooted. Send for prices on large orders.

Cuttings guaranteed. Healthy and clean and sold C. O. D. or Cash with order.

A. LAUB & SON,

Hughsonville, Dutchess Co., N. Y.

CARNATIONS

Rooted Cuttings. Ready Now.

	Per 100	Per 1000
QUEEN LOUISE.....	\$1.50	\$12.50
LILLIAN POND	5.00	40.00
ETHEL CROCKER.....	1.50	10.00
MRS. E. A. NELSON.....	2.00	15.00
FLORIANA	1.50	12.50
ENCHANTRESS	6.00	50.00

Send for estimates on complete order and list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

Announcement

ROSLINDALE, Feb. 1, 1904.

The undersigned beg to announce that they have this day formed a partnership, under the name of A. LEUTHY & COMPANY, for the growing and dealing in Palms, Ferns, Flowering and Decorative Stock, the same as conducted to this day by A. LEUTHY.

All liability up to January 1st, will be assumed by said A. LEUTHY, and all bills due to this date must be paid to the last named party.

Thanking you for the liberal support shown A. LEUTHY during the many years of dealing and hoping the future business relations will bring forth the same pleasant results, we are

Yours respectfully,

A. LEUTHY,
DAVID LUMSDEN.

The American Florist Co.'s

TRADE DIRECTORY

HUNDREDS OF NEW NAMES AND ADDRESSES.

And contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Gardeners, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies and Horticultural Supply Concerns of the United States and Canada.

Price \$2.00 Prepaid.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

Oceanic, N. J.

The semi-monthly meeting of the Monmouth County Horticultural Society was held February 5. The meeting was very well attended and interesting. A grand display of cut flowers was on exhibition. H. A. Kettel, gardener to James Loeb, had some fine lily of the valley, roses, Liliun Harrisii and narcissi, scoring in all 220 points. James Dowlen, gardener to H. L. Terrell, had a well flowered plant of Coelogyne cristata, a vase of good roses and a vase of carnations, scoring in all 235 points. Mr. Dowlen exhibited several seedling carnations of promise, a crimson scoring 90, a red 90, a scarlet 85, and several whites scoring 70 points. Geo. H. Hale, gardener to Edward D. Adams, had some well grown freesias, Princess of Wales violets and imantophyllums, scoring in all 250 points. The judges of the evening were W. W. Kennedy, A. G. Williams and Wm. Turner. The members who visited Tarrytown, N. Y., to attend the annual dinner of the Tarrytown Horticultural Society, arrived home safely, although I understand the snow was a little deep in places. They reviewed their trip in detail. J. Yomans, our Oceanic Chauncey Depew, made a speech which will not be forgotten for a long time at Tarrytown. The discussions of the evening were on experiment stations and San Jose scale, and its treatment in winter and summer. Most of the members present took part. Mr. Hale, in order to find the views of the members, asked whether they thought it essential for a person learning the gardening profession to take up botany to become a good gardener. Most of those present gave their views, some stating that if a gardener could combine and carry the two he would be a stronger man, but the general trend of the views was against it, stating it was not necessary, as botany was a study in itself and from their experience and observation botanists as a rule made very poor gardeners.

Baltimore.

The great fire which has destroyed so large a part of the business section of our city, the loss being estimated by the more conservative at about sixty million dollars, and by other calculators at more than double that sum, has disorganized and paralyzed all local trade. Some funeral orders are being filled, naturally and necessarily, but pretty nearly all social events, public and private, are postponed or abandoned, and the florist whose commodities are classed as luxuries will feel for some time to come the disastrous blow to the business of our city.

Fortunately in the burned district there was not located one florist's establishment, and, except mere incidental losses such as are common to the whole community, and the prostration which will follow the disaster, the florists have had an exemption from loss above all other trades.

Last week was one of fair business and the demand for cut flowers about absorbed all the cut flower shipments at prices which ruled about the same as the preceding week. The weather was cold and unfavorable, but there was one warm day and night and the ice and snow which have been with us so long, disappeared.

Charles street florists are being offered heavy figures for their stores by burned out concerns. That will be the main retail thoroughfare during the reconstruction period.

S. B.

"A Wee Wail From The Woods(man)"

"QUALITY COUNTS"

("That's All.")

This stock can be had ONLY direct from the
Introducers or their Agents:

J. B. DEAMUD, Chicago, Ill.	W. F. KASTING, Buffalo, N. Y.
LEO. NIESSEN, Philadelphia, Pa.	GEO. M. KELLOGG, Kansas City, Mo.
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.	
REED & KELLER, New York City.	
HOLTON & HUNKEL, Milwaukee, Wis.	H. G. BERNING, St. Louis, Mo.
BARTELDES & CO., Denver, Colo.	

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

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CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

PINK.	Per 100	1000	RED.	Per 100	1000
Enchantress.....	\$6.00	\$50.00	Estelle.....	3.00	25.00
Morning Glory.....	2.00	15.00	Harlowarden.....	3.00	25.00
Higinbotham.....	1.50	12.50	WHITE.		
Lawson.....	1.50	12.50	Her Majesty.....	3.00	25.00
Guardian Angel.....	1.25	10.00	White Cloud.....	1.50	12.50
Cressbrook.....	1.50	12.50	Flora Hill.....	1.50	12.50
RED.			Queen Louise.....	1.50	12.50
Palmer.....	\$2.00	\$15.00	Norway.....	1.50	12.50

Rooted Rose Cuttings.

	Per 100	1000		Per 100	1000
Bride.....	\$1.50	\$12.50	La France.....	\$2.00	\$15.00
Bridesmaid.....	1.50	12.00	Meteor.....	1.50	12.50
Ivory.....	1.50	12.50	Liberty.....	3.00	25.00
Golden Gate.....	1.50	12.50			

WIETOR BROS., Wholesale Growers of
Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

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ROOTED CARNATION CUTTINGS.

Special quotations on Gov. Wolcott, Lawson and Palmer in large lots.

Per 100	1000	Per 100	1000
Enchantress.....	\$5.00 \$45.00	Prosperity.....	2.00 18.00
Gov. Wolcott.....	3.50 30.00	Lillian Pond.....	3.00 25.00
3000 and over, \$28.00 per 1000.		Palmer.....	1.50 12.50
Lawson.....	1.50 12.50	3000 and over, \$11.00 per 1000.	
2000 and over, \$11.00 per 1000.		Joost.....	1.50 12.00

Prices on 2 1/4-inch stock on application.

Stock 'mums of Merry Christmas and Eaton, big clumps, \$1.00 per dozen.

Booking orders for 2 1/4-inch roses and 'mums for spring delivery. Get your orders in and secure good stock. Send in list for estimate.

POEHLMANN BROS. CO., Morton Grove, Ill.

Please mention the American Florist when writing.

The New... Scarlet Carnation **AMAZE.**

A profuse Christmas bloomer, strong grower, heavy stem, flower intense scarlet and remarkable keeping qualities. Rooted Cuttings ready February 1.

PRICE: \$10.00 PER 100; \$75.00 PER 1000 CASH.

ORDER FROM THE GREENHOUSES,
JEROME SUYDAM, Flatbush, Brooklyn, N. Y.
OR FROM THE AGENTS,
SLINN & HUGHES, Coogan Bldg., New York City.

Please mention the American Florist when writing.

Rooted Carnation Cuttings

	Per 100	\$5.00
Enchantress.....	4.00	
Queen.....	2.50	
Fair Maid.....	2.50	
Lawson.....	2.50	

H. F. LITTLEFIELD, WORCESTER, MASS.
Please mention the American Florist when writing.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

The Cottage Gardens, Queens, L. I.
Please mention the American Florist when writing.

Carnations

ROOTED CUTTINGS.

Orders booked now for next season's delivery of all the leading varieties. Send us a list of what you want and get prices that are right.

Chas. Chadwick, L. Box 11, Grand Rapids, Mich.

Mention the American Florist when writing to advertisers on this page.

Transplanted Carnation Rooted Cuttings

10,000 of each variety, to close them out.

	Per 100	1000		Per 100	1000
VIOLINIA , the largest, freest variegated Carnation to date, extra fine	\$12.00	\$100.00	MRS. THEO. ROOSEVELT , O. K.....	\$ 3.00	\$25.00
LOS ANGELES , a fine white.....	3.00	25.00	GOLDEN BEAUTY , best yellow.....	1.50	12.00
ALBA , the big white.....	2.50	25.00	GOLD NUGGETT	1.20	10.00
STELLA , a good variegated	2.50	20.00	CRANE , still good.....	1.20	10.00
SUCCESS , LaFrance color.....	2.50	20.00	ELDORADO , good yet	1.00	8.00
VIOLA ALLEN , a fine variegated.....	2.50	20.00	ARMAZINDY , good yet	1.00	8.00
APOLLO , bright scarlet	2.50	20.00	THE MARQUIS , light pink.....	1.00	8.00
MARSHALL FIELD , fine variegated	2.50	20.00	AMERICA , best summer bloomer.....	1.00	8.00
HARLOWARDEN , come to stay.....	3.00	25.00	PALMER , the big red	1.00	8.00
McKINLEY , come to stay.....	3.00	25.00	MERMAID , very free salmon pink	1.00	8.00
			GEN. GOMEZ , good color.....	1.00	8.00

25 at 100 rates; 250 at 1000 rates. Cash or C. O. D. with privilege of examining. Express prepaid by us at above prices.

California Carnation Co. LOOMIS, CAL.

SPECIAL OFFER Carnation Cuttings.

READY FOR SHIPMENT.

Having a surplus of these varieties will make special price for 15 days. Our stock is perfection and free from disease.

Pink Per 100 1000	White Per 100 1000
Lawson.....\$1.50 \$12.50	Glacier.....\$1.50 \$14.00
Joost.....1.25 10.00	White Cloud 1.25 10.00
Marquis.....1.25 10.00	Flora Hill ... 1.25 10.00
Dorothy.....1.50	Scarlet
White	Crane 1.50 14.00
Incensee 1.50	Variegated
	Prosperity ... 1.50 12.00

Petunias, Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. CASH.

**The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.**

Please mention the American Florist when writing.

—ROOTED— CARNATION CUTTINGS.

G. H. Crane	Per 100	1000
Mrs. Lawson	\$2.50	\$20.00
Mrs. Joost	2.00	17.50
Ethel Crocker	1.50	12.50
Wm. Scott	1.50	12.50
Flora Hill	1.50	12.50
Queen Louise	1.50	12.50
Norway	1.50	12.50

Cash or C. O. D.

ST. LOUIS CARNATION CO., Clayton, Mo.

Please mention the American Florist when writing.

Carnations.

Fine, strong, well-rooted cuttings now ready.

ENCHANTRESS, \$6.00 per 100; \$50.00 per 1000.
LILLIAN POND, \$5.00 per 100; \$40.00 per 1000.
THE QUEEN, Jan. delivery, \$5 per 100; \$40 per 1000.

LARCHMONT NURSERIES, Larchmont, N. Y.

CARNATIONS Rooted Cuttings.

Clean, Healthy, Well Rooted Stock.

	Per 100	1000		Per 100	1000
Flora Hill	\$1.50	\$12.50	Crane	\$2.00	\$15.00
Prosperity	2.50	20.00	America	2.00	15.00
Lawson	2.50	20.00	G. Beauty	5.00	40.00
Marquis	1.75	15.00	Gaiety	3.00	25.00
Melba	1.50	12.50	Gov. Roose-		
Dorothy	3.00	25.00	velt	3.00	25.00
McKinley	3.00	25.00	Harlowarden	6.00	50.00
E. Crocker	1.50	12.50	Joost	1.75	15.00
G. Lord	1.75	15.00	Chicago	2.00	15.00
Mrs. Nelson	3.50	30.00			

We also have a few of 1903 varieties not listed. Write for information.

**The MIAMI FLORAL CO.,
Dayton, Ohio.**

CARNATION CUTTINGS.

	Per 100	1000
Enchantress	\$6.00	\$50.00
Queen	5.00	40.00
Lillian Pond	5.00	45.00
Prosperity	2.50	20.00
Lawson	2.50	20.00
Cressbrook	2.50	20.00
Challenger	2.50	21.00
Fair Maid	3.00	25.00
Harry Fenn	5.00	40.00
Gen. Maceo	2.50	20.00
Queen Louise	2.00	15.00
Brad	3.00	25.00

C. WARBURTON, Fall River, Mass.

CARNATIONS.

50,000 ROOTED CUTTINGS.

The profitable ones to grow for Cut Flowers. Our stock is exceptionally fine. List of varieties and prices on application.

**C. AKEHURST & SON,
WHITE MARSH, MD.**

Need a Good Scarlet?

Take my word for it and order **Flamingo**. There is nothing better, nor more profitable in sight. I can also supply the following varieties: Albatross, Lady Bountiful, The Bell, Moonlight, Nelson Fisher, Mrs. Patten and Indianapolis, \$12.00 per 100; \$100.00 per 1000.

The Queen An excellent commercial white of last year's introduction, \$5.00 per 100; \$40.00 per 1000.

S. S. SKIDELSKY,

708 North 16th St., PHILADELPHIA, PA.

ROOTED CARNATION CUTTINGS.

From strong, healthy plants.	100	1000
Enchantress	\$6.00	\$50.00
The Queen	6.00	50.00
Fair Maid	4.00	30.00
Gov. Wolcott	4.00	31.00
Boston Market	4.00	31.00
Mrs. T. W. Lawson	3.00	23.00

HENRY A. STEVENS CO., Dedham, Mass.

Orders Booked Now For Future Delivery.

Rooted Cuttings and Plants of **Rose Queen of Edgely**, (Pink American Beauty). Write for prices.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA.

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. **PEONIES**, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 100. **H. P. ROSES**, dormant, own roots, \$1.50 per doz; \$12.00 per 100. **PANSIES**, transplanted, the very finest, \$1.50 per 100. **F. A. BALLER, Bloomington, Ill.**

OUR DIRECTORY FOR 1904 WILL BE MAILED TO YOU

PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

Springfield, Mass.

Business the last two weeks was steady with no great rush. Roses are scarce and of poor quality. Carnations are fair and enough to go around. Sunlight is badly needed. Violets are moving more freely owing to a reduction in price; singles are being more called for this season and growers in this section are going to double up next season. Tulips, daffodils and Paper Whites are plentiful but do not move any too fast.

Store men are making good displays of pot plants, such as azaleas, cinerarias, cyclamens, primroses and hyacinths, but report they do not move very fast.

Visitors this week were Paul Berkowitz, representing Bayersdorfer & Company; Mr. Green, of Rice & Company, N. Y.; Mr. Norton, of Vaughan's, N. Y.; also a representative of Speelman & Sons, of Holland. A. B.

Columbus, O.

There is talk of organizing a florists' club in this city. A move in this direction would be a proper step, since great benefit could be derived from discussions that would take place at the meetings, besides creating a friendship among many who are now practically unknown to each other. Sherman Stephens is spoken of as a good man to organize the proposed society and act as its leader.

The Livingston Seed Company has added a wholesale department to its cut flower establishment and there is no reason why success should not crown the effort. CARL.

Little Neck, R. I.

William J. Hamilton has just been awarded a contract to construct greenhouses and conservatories on the estate of Wm. K. Vanderbilt, Jr., at Lake Success. There will be six houses, each 20x250 feet, and their cost will be about \$25,000. Iron, brick and glass are the materials to be used. The houses will be located on what was formerly the Isaac Poole estate. They will be near the Italian gardens, which are now under construction. Work on the houses will be commenced March 1.

NEWBURGH, N. Y.—The extensive greenhouse property owned by Henry Carter has been sold.

The Queen

Best Commercial White CARNATION.

Rooted Cuttings, X X X Stock \$5.00 per 100; \$45 per 1000.

TOTTY'S PEERLESS SET

CHRYSANTHEMUMS LAST YEAR'S BEST NOVELTIES.

Send for Descriptive Circular and Price List.

JOHN BARR, South Natick, Mass.

Please mention the American Florist when writing.

AMERICAN BEAUTY ROOTED CUTTINGS

This stock is from good, clean, healthy wood, will be free from spot and thoroughly rooted when sent out. Money refunded if not perfectly satisfactory upon return of stock. \$3.00 per 100; \$25.00 per 1000.

J. A. BUDLONG, Wholesale Grower of Cut Flowers, 37-39 Randolph Street, CHICAGO, ILL.

Please mention the American Florist when writing.

THE PIERSON FERN

(NEPHROLEPIS PIERSONI.)

We desire to call particular attention to our large stock of specimen plants ready for immediate sale. Florists will find this one of the quickest selling and most profitable plants that they can handle. These are grand, strong established pot-grown plants in the very best possible condition, not plants over-potted or lifted from the bench, and are exceedingly cheap at the prices offered. Stock is in grand shape, and will guarantee every shipment to give perfect satisfaction.

Florists will find these plants readily salable at twice or three times their first cost, and by shifting them up and holding them a couple months their value can again be doubled. Retail florists with stores will find this gilded stock for retailing. We guarantee they will find nothing that they can handle as readily salable and profitable as this grand fern.

Extra fine plants in 6-inch pots, \$1.00 each. Fine specimens in 8-inch pots, very fine, \$2.00 each. Extra fine specimens in 10-inch pots, \$3.00 each. Larger plants, \$5.00 each.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, NEW YORK.

Please mention the American Florist when writing.

VESPER.

Best Commercial White Carnation To Date.

Pure white. Blooms 3 inches and over in diameter, beautifully fringed; very fragrant; exceedingly freebloomer; early and continuous; very healthy and vigorous; stems stiff, three feet long and over; has brought top prices in the Philadelphia Market the past three seasons. **COME AND SEE IT GROWING.** \$10.00 per 100; \$75.00 per 1000. From 2-inch pots, \$12.00 per 1000; \$90.00 per 1000.

WE ALSO OFFER THE FOLLOWING GOOD VARIETIES:

	Per 100	1000		Per 100	1000
HARLOWARDEN, the finest crimson.....	\$5.00	\$45.00	LILLIAN POND.....	5.00	40.00
From 2-inch pots.....	6.50	60.00	PRES. MCKINLEY.....	4.00	30.00
Those in pots are extra fine for immediate delivery.			WHITE BRADT.....	6.00	
ENCHANTRESS.....	6.00	50.00	MAY NAYLOR.....	4.00	35.00
From 2-inch pots, well established plants.....	7.50	65.00	HER MAJESTY.....	5.00	40.00
MRS. M. A. PATTEN.....	12.00	100.00	MRS. E. A. NELSON.....	3.00	25.00
FLAMINGO.....	12.00	100.00	ALPINE GLOW.....	4.00	35.00
MRS. THEO. ROOSEVELT.....	5.00	40.00	MRS. THOS. LAWSON.....	3.00	25.00
ADONIS.....	7.50	65.00	MRS. GEO. M. BRADT.....	3.50	30.00

—Send For Catalogue. Five Per Cent Off for Cash with Order.—

ROBERT CRAIG & SON, 49th & Market Streets, PHILADELPHIA, PA.

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....\$.75	100 Plants and over and less than 1,000, each .....\$ .25
12 Plants, each..... .60	1,000 Plants and over, each..... .20
25 Plants, each..... .50	3-inch pot plants, 5c each additional.
50 Plants and over and less than 100, each..... .30	

PRICES OF GRAFTED STOCK GIVEN ON APPLICATION.

JOHN BREITMEYER'S SONS,

Gratiot and Miami Aves., DETROIT, MICH.

SELLING AGENTS:
ERNST ASMUS & SON,
A. ROLKER & SONS,

MICHIGAN CUT FLOWER EXCHANGE,
VAUGHAN'S SEED STORE,
S. S. SKIDELSKY,

J. AUSTIN SHAW,
CLUCAS & BODDINGTON CO.

ROSE PLANTS. STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

MME. CHATENAY Per 100 1000 \$6.00 \$50.00	MAID Per 100 1000 \$3.00 \$25.00
SUNRISE 5.00 40.00	BRIDE 3.00 25.00
KAISERIN 4.00 35.00	PERLE 3.00 25.00
LIBERTY 6.00 50.00	GOLDEN GATE 3.00 25.00
	IVORY 3.00 25.00

ROSE CUTTINGS—Well Rooted.

IVORY Per 100 1000 \$1.50 \$12.50	GOLDEN GATE Per 100 1000 \$1.50 \$12.50
MAID 1.70 12.50	PERLE 1.50 12.50
BRIDE 1.50 12.50	SUNRISE 3.50 30.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		WHITE.	
MRS. LAWSON Per 100 1000 \$1.50 \$12.50	MURPHY'S WHITE Per 100 1000 \$3.00 25.00	FLORA HILL 1.25 10.00	WHITE CLOUD 1.25 10.00
MRS. E. A. NELSON 2.50 20.00	PENU 1.25 10.00	QUEEN LOUISE 1.25 10.00	NORWAY 1.25 10.00
GUARDIAN ANGEL 1.25 10.00	MARION 1.25 10.00	GOV. LOWNDES 3.00 25.00	
MRS. HIGINBOTHAM 2.00 15.00			
SYBIL 3.00 25.00			
McKINLEY 3.00 25.00			
JOOST 1.25 10.00			
VARIEGATED.		RED.	
MRS. BRADT 2.00 15.00	ESTELLE 2.50 20.00	MRS. INE 1.25 10.00	CHICAGO (Red Bradt) 2.00 15.00
PROSPERITY 2.00 15.00	HARLOWARDEN 3.00 25.00		

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Healthy Carnations.

Well Rooted. Enchantress, all sold till March 15th, \$6.00 per 100; \$50.00 per 1000. Strong, 2-inch pots now ready, \$8.00 per 100. Now ready, Queen Louise, Crocker, Lorna, White Cloud, Peru, Innocence, Lawson, Floriana, Prosperity, Dorothy, Marquis, Pres. Roosevelt, Manley. \$2.00 per 100; \$17.50 per 1000.

W. W. COLES, Kokomo, Ind.

Roses. Roses. Plants and Rooted Cuttings.

R. C. Per 100 2½-in. Per 100
American Beauty.....\$3.00 \$8.00
Bride, Maid Ivory, Gate.... 1.50 3.00
Perle, Kaiserin, Canadian Q'n 2.00 4.00
LOW RATE BY THE THOUSAND.
BOSTON FERNS. 2½-inch, \$4.00 per 100; 3-inch, \$8.00; 4-inch, \$12.50; 5 inch, \$25.00; 6-inch, \$40.00.
Fine stock. Note the special low prices on smaller sizes. GULLETT & SONS, Lincoln, Ill.

All the Best CARNATIONS

The Leading Novelties of 1904.
The Best Varieties of 1903.
All the Standard Sorts.
Order your Rooted Cuttings NOW.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Washington, D. C.

There recently has been quite a discussion of the scheme for a vista through the mall from the capital to the Potomac river. A vista or boulevard 800 feet wide was in the plans of L'Enfant, the French engineer who laid out the streets and parks of Washington. About 1850-51 the services of the celebrated landscape architect Downing were secured by the government and among his services was the planting of the mall with trees that are now a beauty and a joy to the lovers of cool and refreshing shade. In the years following Downing's work the vista scheme seems to have slumbered, but it was recently revived by the plans for the new agricultural building. The house committee on agriculture, of which Mr. Wadsworth is chairman, finding that the new building was designed to front on a vista that does not exist at once began an investigation. One result of their labors has been to show that the new building if so placed would be inconvenient to the present lines of travel, its rear instead of its front being on the street. They further claim that it will be fifty years before the government can afford to build the boulevard. A vista can be had at any time by chopping down the trees. The trees are now causing most of the discussion. It always seems a pity to destroy fine trees, but all who have knowledge of what a fine city park ought to be must agree that the mall as it now is falls short of the requirements. Its streets and walks are rambling and uncertain; between its most attractive point and the best section of the city a disreputable red-light district intervenes. The Smithsonian Institute and the National Museum are noteworthy attractions, but as a park it is more a resort for idlers and loafers than for fashionable or even the great middle classes. If a vista would make it a popular resort by all means let us have the vista.

The weather moderated toward the last of the week and trade of the transient sort was better. Prices remain firm. The society people were active with receptions, dinners and teas during the past week. The congressional reception at the White House was the leading event. A large amount of good stock came in from S. S. Penneck, of Philadelphia, to various Washington retailers.

George H. Cooke received an extra fine lot of Bridesmaid roses. He also has received from a local grower a lot of *Dielytra spectabilis* (Bleeding Heart) in 5-inch pots which will come in all right for St. Valentine's day.

Thomas J. Wade, who was for some time a traveller for various Holland bulb firms, is now in Washington as manager of Z. D. Blackstone's store.

Alex. B. Garden is doing a good wholesale business in La Reine and Yellow Prince tulips. His Yellow Prince are the best on the market.

H. Wilden, representing Warnaar & Company, of Sassenheim, Holland, recently visited the growers of this vicinity.

C. Ponnett & Company have given up their Fourteenth street store.

S. E.

Cannot Do Without It.

ED. AM. FLORIST:—Enclosed please find \$1 for renewal of subscription. We cannot do without this paper and would consider ourselves back numbers if we did not get it. J. SYLVESTER.

VERBENAS

Rooted Cuttings, 60c per 100; \$5.00 per 1000; \$45.00 per 10,000.
Plants, 2.50 per 100; \$20.00 per 1000.

CARNATIONS.

White.	Per 100	Pink.	Per 100	Crimson.	Per 100
The Queen.....	\$5.00	Enchantress.....	\$6.00	Harry Fenn.....	\$5.00
Queen Louise.....	1.50	Success.....	4.00	Gov. Roosevelt.....	2.50
Lorna.....	2.50	Mrs. Higinbotham.....	5.00	Gen. Maceo.....	1.50
Good Enough.....	2.00	Cressbrook.....	3.00		
White Cloud.....	1.50	Mrs. E. A. Nelson.....	3.00		
Flora Hill.....	1.50	Mrs. Thos. Lawson.....	3.00		
		Dorothy.....	2.00		
		Sunbeam.....	2.50		
		Morning Glory.....	1.50		
		Mrs. Joost.....	1.25		
		Daybreak.....	1.25		
		Wm. Scott.....	1.25		
		Crocker.....	1.25		
		Mermaid.....	2.00		
		Floriana.....	1.50		

GRAFTED ROSES.

Our grafted roses are fine, bushy plants and grown in 3 and 3½-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. Send for Catalogue.

J. L. DILLON, Bloomsburg, Pa.

Rooted Cuttings. Verbenas, 25 var., good ones, 60c per 100; \$5.00 per 1000. Heliotrope, good varieties, \$1.00 per 100, \$8.00 per 1000. Coleus, all the best, 70c per 100; \$6.00 per 1000. Ageratum, 60c per 100; \$5.00 per 1000. Salvia, \$1.00 per 10; \$8.00 per 100. Petunias, double, \$1.25 per 10; \$10.00 per 100. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Pelargoniums, \$2.25 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write S. D. BRANT, The Clay Center Florist, Clay Center, Kansas.

CYCLAMEN PLANTS.

Cyclamen Persicum Splendens Giganteum, finest strain in the world in four colors, from 4-inch pots \$12.00 per 100. PRIMULA CHINENSIS FIMBRIATA, (fringed Primroses). No finer strain, all colors, 3-in. pots, \$5.00 per 100.

PAUL MADER, E. Stroudsburg, Pa.
Please mention the American Florist when writing.

Chrysanthemums...

American Novelties. Also a complete line of Australian, English and French varieties, both new and standard sorts. For prices and descriptions address

NATHAN SMITH & SON, ADRIAN, MICH.
Please mention the American Florist when writing.

SPECIALTIES

ROSES, from 3-inch pots, In Best
CARNATIONS, for all delivery, Varieties
CHRYSANTHEMUMS,
SMILAX, VIOLETS.
Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Mrs. Fisher Best standard white for summer flowering. Strong rooted cuttings, \$1.25 per 100; \$10.00 per 1000.

A. CHRISTENSEN, Stoneham, Mass

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE, 602 226. KENNETT SQUARE, PA.

IT IS NOT...
what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. 60 Varieties.

Julius Roehrs

RUTHERFORD, N. J.

Crower of

Palms, Bay Trees, Box Trees

—AND—

Decorative Stock.

'MUM STOCK PLANTS.

Strong plants, carefully packed, of the following varieties at \$4.00 per 100; 60c per dozen: Bon-nafon, Robinson, Modesto, Murdoch, Childs, Glory of the Pacific, Ivory, pink and white, Montmort and Wanemaker. Stevia, stock plants from bench or pots, \$5.00 per 100; 75c per dozen.

We are headquarters for Carnation, 'Mum and Stevia cuttings in season.

John Brod, Wholesale Florist, NILES CENTER, ILL.

Please mention the American Florist when writing.

DAHLIAS. POT ROOTS.

Ten Gold Medals Awarded 1903. Pot-roots for shipment at once. Every section including the popular Cactus Pablias at \$4.00 per 100 in 25 sorts. Better and newer kinds at \$5.00 and \$6.00 per 100. Terms: Cash with order.

HOBBIES LIMITED, Dereham, Eng. Norfolk Nurseries.

Please mention the American Florist when writing.

GERANIUMS Rooted Cuttings.

50,000 ready March 15. Send for list of varieties and price.

150,000 ready April 15th. Those now in saud all sold.

ALBERT M. HERR, Lancaster, Pa.

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 75s. Money orders payable at Lowdham, Notts.

Address: EDITORS OF THE "H. A." Chitwell Nurseries, LOWDHAM, Notts, England.

Lenox, Mass.

The regular meeting of the Lenox Horticultural Society was held in the society rooms February 6. After the meeting, Dr. E. O. Hovey, curator of the Museum of Natural History, delivered a very interesting public lecture on "Mount Pelee and the destruction of St. Pierre," which was illustrated with 200 stereopticon views which were for the most part taken by Dr. Hovey. The lecture was free and the hall was well filled.

At the next meeting, February 20, the society will hold another public lecture, at which Edward Howe Forbush, state ornithologist, will be the speaker. His lecture will be on "Birds" and will also be illustrated by stereopticon views. The society anticipates another large attendance.

G. F.

NEW BRIGHTON, PA.—August Meyer's greenhouses were flooded by the overflow which swept the Ohio valley and ruined. The water entered the boiler room and drowned the fire. Nearly all his plants were frozen in the zero weather which followed. Mr. Meyer and a force of men tried to get the water out of the boiler room and start up the fires, but he succeeded too late. His loss was \$2,000.

PIERSON FERNS VERY TRUE STOCK.

Strong 2 1/2-inch stock.....\$12.50 per 100
Strong 3-inch stock..... 20.00 per 100
Strong rooted runners..... 8.00 per 100
Cash with order. Satisfaction guaranteed.

BAUR FLORAL CO., Erie, Pa.

GOOD FERNS.

BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$15.00.
PIERSON FERNS, fine bushy plants, \$1.00 each; 8 inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.
Keap Street Greenhouses.

Asparagus...

Plumous Nanus, 2-inch pots.....\$2.50
Sprengeri, 2-inch pots..... 1.50
Geraniums, 10 varieties..... 3.00
Coleus, 10 varieties, 2-inch pots..... 2.00

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio
Please mention the American Florist when writing

PIERSON FERNS.

You want something nice for Easter. Order a dozen, 50 or 100 of these ferns in 5, 6, 7, 8 and 10-inch pots. You will never regret it. We also have the 2 and 3-inch sizes.

Boston Ferns.

We are as usual headquarters for 2 1/2, 3, 4, 5, 6, 7, 8 and 10-inch sizes.

Asparagus Plumosus Nanus.

Seedlings, 2 x 2 1/2, 2 1/2 x 3 and 4-inch. Also plenty of Sprengeri.

Roses.

We grow over 100,000 annually for the trade of the following varieties: Meteor, Bride, Bridesmaid, Ivory, Golden Gate, Perle, La France, Kaiserin, Wootton, Belle Siebrecht, Pres. Carnot, American Beauty, Liberty.

We believe in shifting young roses often. All stock offered in 2 1/2-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. We solicit your order and guarantee satisfaction. Write for special prices on large lots.

Ivory is a Money Maker. Be sure and include a few in your order. Send 50c or \$1.00 for samples of anything you may want, then you see exactly the stock you are ordering.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus

2 1-2-inch stock in fine shape at \$3.00 per hundred.

HOLTON & HUNKEL CO., Milwaukee, Wis.

FOR THIRTY DAYS ONLY.

BOSTON FERNS. Extra fine bench plants, 5-inch at 10c; 6-inch at 15c to close out. Must have room. 2 1/2-inch, ready for 4-inch, \$3.50; 3-inch, \$5.00. CANNAS, F. Vaughan, J. C. Vaughan, Egandale, Chas. Henderson, A. Bouvier, Burbank, Souv. de Antoine Crozy, in variety \$2.50 per 100; \$20.00 per 1000. CARNATIONS, Queen Louise, white, Floriana, pink, the two best money makers we have, \$1.25 per 100; \$-0.00 per 100. Lawson, \$1.75 per 100; \$15.00 per 1000. ALTERNANTHERA BRILLIANTISSIMA, the finest variety of all fine pot plants, full of cuttings, \$1.00 per dozen; \$6.00 per 100. COLEUS, 15 varieties, 2-in., \$2.00 per 100. Cash please.

A. J. BALDWIN, Newark, Ohio.

Albert Fuchs, PALMS, FERNS, FICUS. Established 1884. CHICAGO, 2045-59 Clarndon Ave.

ARAUCAria EXCELSA. From 20, 23-25 inches high, 6 inch pots, perfect plants, 75c, \$1.00 to \$1.25 each. Extra large specimens, 8-inch pots, 28 to 35 inches high, 25 to 32 inches across, (show plants) only \$2.50 to \$3.00 each, (worth \$10.00 retail). 5 1/4 inch outs, 40 to 50c each.
FIGUS ELASTICA. (Rubber Ficus). 6-inch pots from 20 to 28 inches high, \$2.00, \$3.00, \$4.00, \$5.00 and \$6.00 per doz.
DRACAENA BRAUANTII. 6-inch pots, 20 to 25 inches high, (to make room for Easter plants), cut down from 50c to 35c.
BEGONIA PRES. CARNOT. 6-inch pots, in bud and in bloom, \$2.50 p r doz. Other mixed varieties 4-inch pots, \$1.80 per doz.
CYCLAMENS. In bud and bloom, \$2.00 per doz.
PRIMULA OBCONICA. 4-inch, in bloom, \$1.80 per doz.
Cash with order please. Plants are shipped at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants, 1012 Ontario St., PHILADELPHIA, PA. Bell Telephone Tioga 3669 A.

Asparagus and Ferns

We have a fine stock of the above which we will offer until the stock is reduced at the following prices:

Asparagus Sprengeri, 2-inch.....\$2.00
" " 3-inch..... 3.50
Asparagus Plumosus, from flats..... 2.25
" " 2-inch..... 3.00
" " 3-inch..... 6.00
Kentia Bel., 2 1/2-in. pot, 8-10 in., 2-3 leaves.. 12.00
" " 2 1/2-in. pot, 15-18 in., 3-4 leaves.. 15.00
" " 3 -in. pot, 15-18 in., 4-5 leaves.. 18.00
" " 3 -in. pot, 18-24 in., 5-6 leaves.. 20.00
Latania Bor., 2-in. pot, seed leaves.. 5.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs. 12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs. 20.00
" " 5-in. pot, 20-24 in., 4 chr. lvs. 30.00

Sherman Nursery Co., CHARLES CITY, IOWA.

Geo. Wittbold Co.,

1657 Buckingham Pl., CHICAGO, ILL.

Send for Price List on all

Palms and Ferns

Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100 'In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.
Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. Asp. Sprengeri, 4-inch, \$6.00 per 100.
Dracaena Indivisa, 3-inch, strong, \$8.00 per 100.
Kentias, Ficus.

45 King St., L. H. Foster, DORCHESTER, MASS.

Cyclamens blooming and in bud: fine stock, 4 inch, \$12.00; 5-inch, \$20.00 and \$30.00 per 100.

G. WINTERICH, Defiance, Ohio.

A FEW GOOD THINGS YOU WANT.

An extra fine lot of PALMS and BOSTON FERNS grown especially for Christmas sales,

ARECA LUTESCENS, 3 plants to pot, 4, 5 and 6-inch, \$25, \$40 and \$100 per 100.

KENTIA BELMOREANA and FORSTERIANA, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

SPRENGERI, 2-inch, \$3.00 per 100.

VINCA VARIEGATA, 2-inch, \$2.00 per 100.

CARNATIONS, Queen Louise, 2-in., \$2.00 per 100. Lawson, 2-inch, \$2.50 per 100.

GERANIUMS, 2-in. pot plants Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, \$2.50 per 100.

ROOTED CARNATION CUTTINGS, Queen Louise and Wolcott, \$1.50; Lawson and Prosperity, \$2.00; Crocker and Goodenough, \$1.25 per 100.

CASH OR C. O. D.

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

BOSTON FERNS 8 cts.

Strong bench plants, fit for 5-inch.

PRIMULA OBCONICA GRANDIFLORA, Alba, Rosea, \$1.50 per 100; 300 for \$4.00.

AGERATUM, Gurney, Pauline; GIANT MARGUERITE DAISY, White; SALVIA, Splendens, Silver Spot, Bonfire. PETUNIA, double, 15 kinds. VINCA, variegated, 2-inch, 2c.

REX BEGONIA, 4 sorts, 3 1/2c.

Rooted Cuttings Prepared. SALVIA, Silver Spot, Bonfire. Splendens. STEVIA, variegated, 90c per 100.

AGERATUM, White, S. Gurney, P. Pauline. ALTERNANTHERA, red, yellow, 50c per 100.

PINKS, Mary Gray, variegated, 75c per 100.

PETUNIA, double, 15 kinds, \$1.00 per 100.

FUCHSIAS, 5 kinds, \$1.25 per 100. DAISY, HELIOTROPE, blue, \$1.00 per 100. Cash.

BYER BROS., Chambersburg, Pa.

JOSEPH HEACOCK,

WYNCOTE, PA.

Areca Lutescens

Kentia Belmoreana

Kentia Forsteriana

For our prices see page 551, Nov. 7th issue.

PIERSON FERNS.

2 1/2-inch at \$8.00 per 100. Young plants from the bench, \$5.00 per 100. Large plants ready for 6 and 7-inch pots, 50c each.

Boston Ferns 2 1/2-inch at \$3.50 per 100. Also fine line of 4, 5, 6 and 7-inch. Write for quotations.

DAVIS BROTHERS, Morrison, Ill.

San Diego, Cal.

California has been experiencing one of the most remarkable droughts on record. North of the Tehechipi Pass there was some rain last November but in southern California, outside of the mountains, less than one-half inch has fallen since the spring of 1903. In the east this would spell ruin to the farmers, but here, while a bit scared, we are not hurt very much, certainly not starving, with 30,000 carloads of oranges to ship. Besides we have three months of the rainy season yet before us and whatever moisture we get will come when it will do the most good. The orchardists are independent, to a certain extent, of the rainfall. Great and little companies and private owners have been busy developing water supply these last seven lean years, and now we may look with no great concern on a prospect which would have been appalling ten years ago.

Frank Sessious, brother of Miss K. O. Sessions, is to be congratulated on the success of his poinsettia experiment. Frank has a place near his sister's new gardens on Spreckel's Heights, where he planted a lot of poinsettia cuttings last spring. They did nicely and he cut and shipped 3,000 bracts to San Francisco for the Christmas trade. They sold well and it is reported were the finest outdoor stock ever seen in that city, having a richer coloring than that possessed by northern grown stock. The base of the stems were dipped in boiling water before shipping to coagulate the milky sap. If this is not done the stems bleed badly and the flowers wilt.

Geo. Cooke, of Parsons & Cooke, the well known landscape architects, is now in San Diego perfecting plans for the improvement of the big city park of over 1,400 acres. San Diego has a population of only 25,000 to-day but has big expectations, as may be inferred from the size of the park site. George W. Marston, a leading business man, has donated the amount necessary to have the plans made, and he and others are providing funds to make a beginning of the improvements.

Mrs. Mary Boyle of the Cottage Nursery on Golden Hill, has returned to her old stand in the Jose block on D street. This store has been neatly fitted up and is very attractive. Mrs. Boyle reports a 40 per cent increase in holiday flower sales. House plants broke about even with last season's demand. Violets are now retailing at 25 cents per bunch of fifty. The Golden Hill violet plants look better and are freer from spot than any others around San Diego.

E. J. Vawter, of Los Angeles, proprietor of extensive carnation gardens at Santa Monica and Ocean Park, was a December visitor to San Diego and vicinity, looking up carnations for shipment to Los Angeles. It is said he has contracted for the entire cut of Mr. Hasp's gardens at Oceanside and has also secured the output of Wolfskill's carnation houses in Los Angeles.

Miss Kent, who was with the Coronado Beach Company two years ago, is again in charge of the flower store in the Coronado hotel. R. H. A.

Finds It an Aid.

ED. AM. FLORIST:—I much prefer your paper to others. I have just started growing cut flowers for the New York market, and find your paper very valuable. Wm. SIMMONDS.

Staten Island, N. Y.

Standard Flower Pots

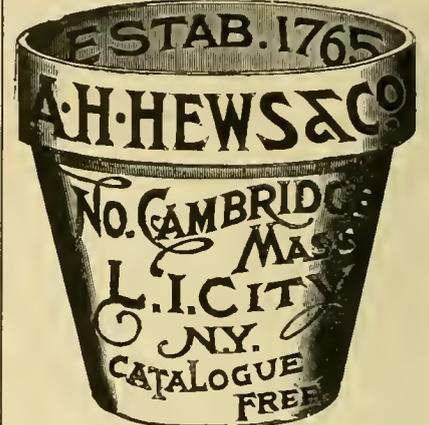
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Travelling Representative, U. CUTLER RYERSON, 108 Third Ave., Newark, N. J.
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RED POTS
OF US?
Standard Size
Quality—No Better.
Carefully Packed to Small
Crates. Easy to Handle.
Price List Free.
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BEST POT IN
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	Price per crate		Price per crate
1500 2-in., in crate,	\$4.88	120 7-in., in crate,	\$4.20
1500 2 1/4 " "	5.25	60 8 " "	3.00
1500 2 3/4 " "	6.00	HAND MADE.	
1000 3 " "	5.00	48 9-in., in crate,	\$3.60
800 3 1/4 " "	5.80	24 10 " "	4.80
500 4 " "	4.50	24 11 " "	3.80
320 5 " "	4.51	12 12 " "	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. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y.
Or AUGUST ROLKER & SONS, New York Agents,
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MANUFACTURERS OF
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STANDARD POTS SPECIALTY
List and SAMPLES FREE.
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If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....
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Price list and samples on application.
Paducah Pottery,
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SAMPLE POT AND PRICE LIST
ON APPLICATION.
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which for strength and porosity combined are the best on the market.

To-Bak-Ine Products.

For Killing Green Fly, Red Spider, Thrips and Other Injurious Insects.

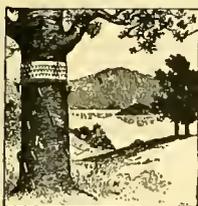
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THE ARNDT TREE PROTECTOR.



A perfect inexpensive protection against all creeping and crawling insects. Agents wanted everywhere; write at once.

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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, brass and nicked, with three clasps for 5 to 6-inch pots, each \$1.75.

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- ✦ Cape Flowers, all colors,
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FLORISTS' SUPPLIES

All new Fall Goods in now. Ask to see the latest, Embossed and Pleated Crepe Paper.

108 W. 28th Street, NEW YORK.

Foley's Floral Photographs.

Floral Album, size 12x11 containing 24 different funeral designs. By express \$7.00 c. o. d.

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For Sale by all Wholesale Houses.

Koral Mfg. Co.,

12 Hawley Place, Boston, Mass.

ESTABLISHED 1866

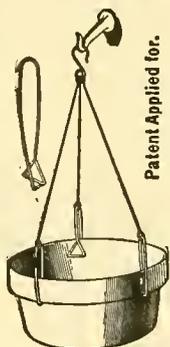
EMIL STEFFENS

SUCCESSORS: A. STEFFENS and STEFFENS BROS.



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Kramer's Pot Hangers



Patent Applied for.

THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

- Vaughan's Seed Store, Chicago and New York.
- E. F. Winterson Co., Chicago.
- C. C. Pollworth Co., Milwaukee, Wis.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa.

GREEN SILKALINE.

Do not be put off with cheap substitutes.

John C. Meyer & Co.,

80 Kingston St., BOSTON, MASS.

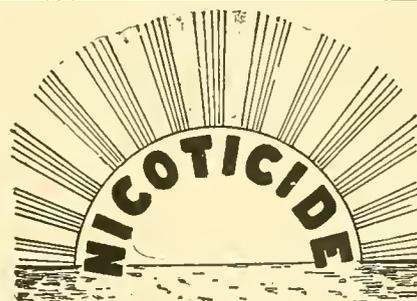
Wired Toothpicks

10,000, \$1.50; 50,000, \$6.25. Manufactured by W. J. COWEE, BERLIN, N. Y. Sample Free. For sale by dealers.

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When you write to an advertiser.



Saves Blooms. Kills Bugs.

The Tobacco Warehousing & Trading Company, Louisville, Kentucky.



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Lightning Flower Pot Washer.

Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong Plants are only grown in Clean Pots. Send for description. Sold direct \$15.00 net F. O. B. Joliet.

C. E. FINLEY, Joliet, Ill.

Toronto.

This section is still experiencing bad weather. Growers are unanimous in declaring it the worst ever seen. As to the volume of business being done, there is a diversity of opinion among the retailers. With the long period of unsuitable weather transient trade has fallen off quite noticeably and there are few social events of any importance. Roses are not coming in very rapidly though there is some very choice stock being cut and special blooms of Bridesmaid, Bride and Meteor will soon be more plentiful. The stock at present is readily disposed of and there is considerable demand for the cheaper grades for design work. Carnations are also very good, also mignonette. Freesias are quite plentiful and have a good sale. There is quite a glut of tulips and they are being offered at the price of the bulbs. Violets are also hard to get rid of and it will be a good thing for the retailers when they are brought down in price.

Several boxes have recently arrived with the flower frozen stiff, having been too well sprinkled with water and the boxes containing little more lining than in the moderate weather. Usually the water in the bottom of the boxes freezes and the frost on the flowers results from this. Several claims have been made to the express companies on frozen shipments which were the shippers' own fault, and it is said that they are contemplating refusing to carry flowers except at owners' risk. I think the florists' clubs should take this matter in hand.

The Gardeners' and Florists' Club held a very successful meeting and the following officers were elected: President, W. H. Ford; vice-president, Geo. Douglas; second vice-president, Geo. Manton; treasurer, George Mills; secretary, E. H. Collins; executive committee, W. Muston, T. Manton, W. Jay, D. Robinson, J. H. Dunlop, H. Dillemath, J. Ede; representatives to the exhibition board, W. Jay and T. Manton.

J. H. Dunlop had the decoration of the Masonic Temple and certainly did credit for the auspicious occasion. In the supper room large quantities of southern smilax and many strings of pendants besides hundreds of flags were used. It was the most artistic and largest decoration ever had in this building. D.

VINELAND, N. J.—The floral society of this place, the only one of its kind in southern Jersey, which was chartered in 1868, has elected these officers: President, Mrs. A. E. Gay; vice presidents, Miss M. Abbott, Mrs. J. P. Gage, Mrs. H. Gove; librarian, Mrs. S. S. Gould; treasurer, Mr. Godkin.

D. O. Cunningham Glass Co.

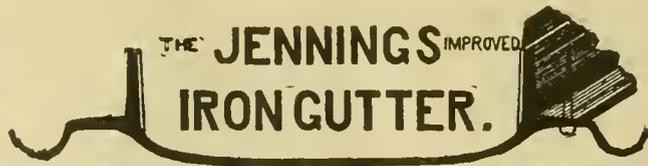
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Hot-House Glass a Specialty.

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Use our Patent
IRON BENCH
FITTINGS and
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IMPROVED VAPORIZING PANS **VENTILATING APPARATUS.**
For Tobacco Extracts, Etc. Send for Circulars.
DILLER, CASKEY & CO., SUCCESSORS TO JENNINGS BROS.,
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GREENHOUSE GLASS
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QUICK SHIPMENTS.
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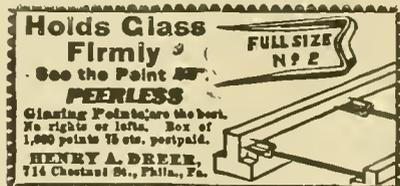
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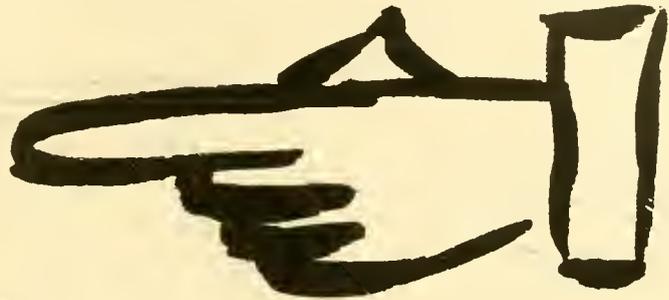
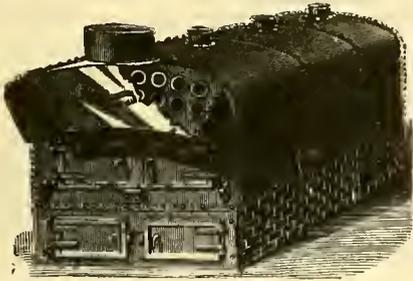
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PLEASURE AND PROFIT.—AM. FLORIST Co.:—Your paper is a weekly source of pleasure and profit to every one connected with this concern, and three copies have been subscribed for by the company for several years—one to my house, one to the greenhouses and one to the store. In addition to that the foreman and one or two of the men each receive a copy. J. A. VALENTINE, Pres. Denver, Colo. Park Floral Co.

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Used by all English and Scotch Florists.
56 lbs. for \$3.25.

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SIMON RODH, 40 W. 28th St., NEW YORK.

I have the Newest Things for Violet Tyings. Ribbons to match all your Flowers and Chiffons in all Widths and Colors.

—EASTER NOVELTIES NOW READY.—



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WILL KEEP SNOW AND ICE OFF
YOUR GLASS.

DES PLAINES, ILL.
SEND FOR CATALOGUE.

A sample of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

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Importers and Manufacturers,

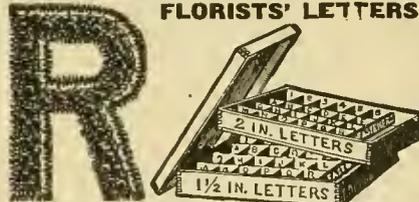
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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-inch size, per 100, \$2.00.
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The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No. 0.	3x 4x20.....	\$2.00	\$19.00
" 1.	3x 4 1/2x18.....	1.90	17.50
" 2.	3x 6x18.....	2.00	19.00
" 3.	4x 8x18.....	2.50	23.00
" 4.	3x 5x24.....	2.75	26.00
" 5.	4x 8x22.....	3.00	28.50
" 6.	4x 8x28.....	3.75	36.00
" 7.	6x16x20.....	5.50	54.00
" 8.	3x 7x21.....	3.00	28.50
" 9.	5x10x35.....	6.50	62.00
" 10.	7x20x20.....	9.50	67.50
" 11.	3 1/2x5x30.....	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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Boilers OF HIGH GRADE.

For GREENHOUSES.

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Patent Smilax and Asparagus Tyer and Stake.

The work done in half the time. You will not do without it after a trial. Will last a lifetime. No wires on the ground. No tying or knots required. Be sure to send \$1.00 for sample 100 of each. Satisfaction guaranteed. Easily applied.

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Meetings of Florists' Clubs.

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 third Tuesday of each month, October to March inclusive. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, 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.

BUTTE, MONT.—Montana Florists' Club, 45 W. B roadway. First Saturday in each month. D. E. Law, Sec'y.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third 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. Murphy, Sec'y, Sta. F., Cincinnati, O.

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, Westpark, O.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Sec'y.

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.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. E. Stover, Sec'y, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Chas. M. Webster, Sec'y.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Tuesday of each month at 8 p. m. J. F. Coombs Sec'y.

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.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Redstone, Sec'y.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Tuesday of each month at St. Charles Hotel club rooms. H. V. Hunkel, Sec'y.

MINNEAPOLIS, MINN.—Minneapolis Florists' Club, West Hotel. First Thursday of each month, at — p. m. C. F. Rice, Sec'y, 124 N. Sixth 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 Clesse street.

NEW BEDFORD, MASS.—New Bedford Florists' club, second Thursday of each month. Wm P. Pierce, Sec'y.

NEW LONDON, CONN.—Gardeners' and Florists' Club, first and third Tuesday of each month at greenhouses of secretary. H. H. Appeldoorn, Sec'y.

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NINETEENTH YEAR.

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OFFICERS—PHILIP BREITMEYER, Detroit, Mich., president; J. J. BENERE, St. Louis, Mo., vice-president; WM. J. STEWART, 79 Milk St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twentieth annual meeting at St. Louis, Mo., August, 1904.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Detroit, Mich., March 2, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Philadelphia, March, 1904. LEONARD BARRON, 136 Liberty St., New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1901. FRED H. LEMON, Richmond, Ind., secretary.

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Greenhouse Construction and Heating.

[Presented before the Chicago Florists' Club, February 3, 1904, by Robt. W. King, of North Tonawanda, N. Y.]



In receiving an invitation to attend the meeting of this club I understand its object is the bringing together of men engaged in the florists' profession, with the purpose of exchanging ideas; not only amongst the florists or growers themselves, but also with greenhouse builders, engineers, etc., whose interests are allied with those of the first referred to. The chief subject I understood was to be "Greenhouse Construction." On this question, being open to learn, I was very pleased to have the opportunity afforded me of being present, and can assure you I feel honored in receiving an invitation from the Florists' Club. I am also promised the opportunity of inspecting the mammoth conservatories and becoming acquainted with many growers of renown whose praises have been carried my way on breezes emanating from what I have heard designated as the "Windy City." In reference to the florists' profession, a good many flowery things have been and still can be said in regard to the ennobling influences of the same, but to drop down to hard pan without the use of parachute or wings is the kind of knocks we are more accustomed to deal with and have got to make up our minds to expect when we allow our aspirations to carry us too high. There are many questions I would like to receive more light upon, possibly far too many for the present occasion to cope with. However, the old saying, "Rome was not built in a day," still applies as an offset against expecting to build too much on any single occasion. The questions in greenhouse construction before my mind are as follows:

- Best width for beds.
- Best width for walks.
- Best width for houses.
- Best methods of ventilation.
- Whether continuous.
- Whether opening at ridge.
- Whether hinged at ridge.
- Whether single or double.
- Whether hand or automatic.
- Difference for roses as compared with carnations.
- Detached houses or in block for roses.
- Detached houses or in block for carnations.
- In block houses has ventilation at the gutter as well as the ridge ever been tried?

Upon these questions I am not competent to protrude my opinion. There are other questions, however, on which

my profession as an engineer engaged especially in greenhouse improving may entitle me to have something to say. I will treat them in turn as follows:

The Houses Themselves.—In regard to the improving of the houses themselves, it is universally acknowledged that two very desirable factors are permanency of construction and the obtaining at the same time of such form as will admit the greatest degree of light. Along these lines I have brought with me a sample of a new purline, thinking it may interest the club. You note it is on the same principle of truss work introduced some years ago, and on which many houses have been erected in the United States and in Canada, some of which have been illustrated in the trade papers. The first form did away with the posts that supported either ridges or purlines, making the walls of the houses or inside gutters the only roof supports, thus leaving the beds clear of obstruction. The present improvement exchanges the solid purline whether of wood or angleiron (either of which is a serious obstruction to light at the time it is most needed) for one of skeleton form, the purline itself being but three-eighths inch in diameter, trussed with wire of three-sixteenth inch diameter. The larger truss limbs at the end of the sample are those used in the form referred to and were fastened to either wood or angleiron purline. In this form they are adapted to fasten to the three-eighths inch iron sash bar direct, the intermediate sash bars being supported by the smaller truss limbs.

Greenhouse Steam Economizer.—Briefly, the object of the economizer applied to a steam boiler is to use the temperature of the colder return or feed water to absorb heat from the fuel gases after they have left the hotter surface of the boiler. In our new system we distribute the return pipes from the heating coils about the houses to be heated as in hot water heating, so abstracting the heat for a useful purpose; by so cooling the returned water we render it capable of absorbing additional heat from the otherwise waste gases.

The Economy Obtained.—By reference to Green's economizer catalogues (this is the economizer almost universally used in steam engine practice) you will find substantial references from all parts of the world and tabulated data as to the percentage of saving under different conditions. It will be seen that where conditions are as favorable as in greenhouse heating a saving of at least fifteen per cent. could be accomplished where the

system is successfully applied. In the writer's own practice he has not been able to give exact results on the economy obtained with the economizer system alone, because it has been mixed with other elements of economy in the plants experimented upon. For instance, economizer surface adds considerably to the total area of heating surface of the boiler, and where this latter has been too small, as it usually is, an additional element of economy is here introduced, adding to the economy due to the economizer system only. In some work where the economizer system in greenhouses has been only partially installed along with other improvements, such as water tube boilers, as compared with the old style fire tube, a saving of twenty-five per cent in fuel has been accomplished. In other work where the effect of the economizer system has been more fully developed along with other improvements, a saving of as much as thirty-three and one-third per cent has apparently resulted. This is equal to a saving of one ton of coal in every three. The writer regrets that he is not at present able to speak more definitely on the economic value of the economizer alone, though he expects to later on or before this season is through. The guarantee given with the new system referred to is fifteen per cent. Before leaving this part of my subject a few words may be said on the financial side of the question. Many growers object to putting in an up-to-date heating plant and operating the same when erected on such business principles as are followed in other power stations on the ground of expense, and yet the extra expense so incurred would be the best paying part of their whole investment. For example, 180,000 square feet of glass, ventilation and heating plant included, represents an investment of, say, \$80,000. A net profit of seven per cent would realize \$5,600 per annum. The fuel bill for this glass on a basis of twelve tons of coal per season per 1,000 square feet of glass would represent 2,160 tons of coal. On a basis of eight tons it would represent 1,240 tons, being a difference of 920 tons of coal, which at \$4 per ton would represent, were this ratio of economy obtained, an additional profit for the year of \$3,680. Suppose the improvement of the plant cost \$1,000, which would be adding, say, twenty-five per cent to the boiler cost. This would be a profit of 368 per cent per annum on the additional outlay.

When the writer first realized the importance of the economizer system he soon afterwards took steps to apply it to greenhouse work, since steam heating was then coming into use, and arranged with a grower desiring to experiment also, or rather to get something better than was then on the market, to work jointly along these lines. Coal at that time was costing \$6 per ton, so a saving in the proportion mentioned, viz: eight to twelve, would mean an extra dividend of itself of seven per cent on the whole capital invested. After the first year's operation a very careful and minute stock taking and comparison with an ordinary plant (the figures of which I yet intend to publish) did not show quite eight to twelve, but showed seven and one-half to ten, which was very near it. It is said "the proof of the pudding is in the eating." I submit then as additional evidence that the grower who operated that plant became rich. Though this fact may not be due altogether to the superiority of the plant, still the writer is thankful that by no possibility whatever

can the fact of this man getting rich be used as an argument against it.

Installing a Heating Plant.—Since it has been explained how the installing and conduct of a heating or power plant cuts such a large figure in the profit and loss account at the end of the year, is it not a wonder that so little regard is paid to the matter by florists generally? Is it that the profits derived from his work are so large that he does not care to bother with many things indispensable to other businesses working on finer margins and profits? This may apply to large concerns who are satisfied with a margin of seven per cent on their investment after living expenses or salaries have been paid. But how about the smaller grower who may be paying that or more for borrowed capital and credit which can only be redeemed or his business increased on the profit that can be made over and above the interest item mentioned. In the writer's opinion there is yet a large opening in this country for growing of all descriptions where the plant is erected on up-to-date engineering lines and then



The Late Philip Gauges.

(See issue of February 13, page 91.)

expertly operated, the reverse being generally the rule. If a man wants to build a house to dwell in, so as to get the best value for his money he engages an architect and places the matter in his hands. But, let the same man undertake to run a greenhouse or to build one, the chances are that the whole thing will be run up haphazard, or by what is called in the part of the world the writer came from, "The rule of thumb." Pardon me while I explain this expression. Before thermometers were invented beer was brewed, and pretty good beer too, sometimes, by the rule of thumb; that is, to ascertain temperature of the worts, which have to be judged to a nicety, the brewer dipped in his thumb. It will probably be found that Mr. Bass was amongst the first to adopt more scientific methods. His brews are not only sometimes, but have the reputation the world over of being always good. Too many greenhouses and their heating plants are erected by the rule of thumb, and run on the same principle. Where can you go and learn from a greenhouse man (as you can from other power stations) the proportion of boiler surface to the power or

radiating surface he uses? The proportion of great area with height of stack to the boiler surface? The proportion of radiating surface to glass and wall area? The percentage of moisture in the steam made? The percentage of CO₂ in his chimney gases? The average temperature of his feed or return water with average pressure of steam? The amount of water evaporated per pound of coal consumed under the above and other conditions by which the actual calorific value received from the coal used can be accurately determined, all with a view to improving, if necessary, some of the conditions referred to. The successful combining of these things means, in some cases, a dividend or no dividend to those holding an interest in the plant. If any one knows of a greenhouse establishment in the United States or Canada where such records are to be found on file in the office for future reference I want to be informed of it. I want to meet the man who inaugurated it if he is alive and shake him by the hand. I hope to find him in or somewhere about Chicago, and can assure you that the privilege of an hour's chat with him will be an event that will receive a double underscore in my diary. My notice to meet the club was too short for a paper. Also, to go further into detail of greenhouse plants and their management might tire my hearers. Such medicine is best taken and retained when in small doses. At some future time you may hear further from me on this subject.

THE CARNATION.

Raising Seedlings.

This is a good time to do some hybridizing, if you are thinking of raising some plants from seed. Hybridizing can be done at any time of the year, but as it is desirable to know the parentage of any variety and to avoid adulteration from inferior sorts, it is best to do it at a time when the chance of insects or other agents interfering with the work is reduced to a minimum. It was the writer's intention to refer to this subject earlier, but the stress of circumstances has interfered very much with his plans during the past few months. The months of November, December, January and February are the most free from outside influences and therefore the chance of knowing exactly what variety is used to fertilize the seed parent is then the greatest. Bees gathering their honey or a strong current of air blowing through the house will carry the pollen from one flower to another and in that way the result of an important cross may be entirely changed.

Few are ignorant of the fact that plant propagation by seed is effected by sex relation, much the same as is the case in the animal kingdom. In some species of plants the sexes are very widely separated, flowers of one sex appearing only on certain plants; in others flowers of both sexes may be found on the same plants; but in the great majority of plants both the male and female organs are found in the same flower. To the latter class belongs the carnation. The anthers with the pollen capsules attached to the end are the male organs, the dust or pollen being ejected when ripe. Each grain of pollen is capable of fertilizing an unimpregnated seed and combining the qualities of its parent with those of the seed parent. The ovary containing the seed and the stigmas reaching out from

the top are the female organ. The office of the petals of the flowers is to breathe in the essence of the sunshine which is necessary for this most delicate operation in plant life. To make sure of a perfect cross and perpetuation only of such qualities as are desirable it is well to operate only on varieties that nearest approach an ideal. Select a few promising looking buds and tie them up some time before the flower is open, making sure that the stem and calyx are as near perfect as possible and that the plant is healthy. When the flower is about half open is the time to begin to prepare the flower for fertilization. The calyx is then split on one side with a sharp knife and the immature anthers are cut out. This is done in order to prevent self-fertilization. From then on there is nothing to do but to allow the flower to mature and the stigmas to become ready to receive the pollen. When the flower has grown to full maturity the stigmas are usually well developed, having assumed a hairy and moist upper surface. The operation of fertilizing the flower is very simple. A well developed flower that has been carefully selected is taken and the pollen dust is carefully rubbed over the stigmas by bringing the two flowers together. This is best done on a sunny day when life is most active, and the capsules containing the pollen must have burst to liberate it. If the operation has been well performed the petals and stigmas of the fertilized flower will wither up in a few hours and fertilization will be complete. The ovary will begin to swell in a few days and there is nothing more to do but to guard it from injury until it is ripe. The calyx and withered petals and stigmas should be cut away, so that water lodging around the seed pod will dry up quickly and not rot the ovary. The time required for the seed to ripen varies considerably, six weeks being about the average. When the seed pod has turned brown about half its length from the stem down, it is ripe, and should be cut off with the whole stem and laid in a cool, airy place to dry, after which the seed is carefully removed and either sown immediately or put away in an envelope upon which the cross is marked.

It is well to sow the seed early enough so that most of the plants will bloom outside before frost, thus saving considerable bench space, as at least three-quarters will come single or otherwise undesirable, and this should be no later than the last of March. Germinate the seed in a temperature of about 56° at night. Use a light soil and do not cover the seed more than twice their own thickness. When large enough to handle, pot into small pots and shift along when necessary, giving them the same treatment that is given the young stock propagated from cuttings. Top the plants only once and allow the side shoots to bloom as soon as possible. Watch each plant as it comes into bloom and if it seems worthy of further trial, mark it for planting indoors. Single-flowered plants or those that are otherwise undesirable should be pulled up immediately and thrown away.

This branch of commercial carnation culture, though not always the most remunerative and certain in its result, possesses a charm and fascination that is worth any effort bestowed upon it. Probably not one in a thousand plants grown from seed ever becomes the parent of a variety worthy of introduction to the trade, and of the many varieties introduced each year a very small per-



CHRYSANTHEMUM SANTA CLAUS.

centage become really standard varieties. The man who works along the lines of established rules of plant breeding and does not place his hopes for earthly treasures too high will get greater satisfaction from this work than he who goes at it in a haphazard way and sees the mirage of a golden harvest ever before him. There is a satisfaction in working for an ideal that is far greater than any surprise that may ever come from mere chance.

Waste no time on poor varieties and keep a record of each cross. Make every cross with a certain end in view. A good white may be produced, for instance, by crossing Lawson with White Cloud. The seed parent usually influences the plant resulting from a cross, while the pollen parent reflects its qualities more in the color and shape of the flower. Quite the opposite, however, comes true in exceptional cases. J.

American Carnation Society.

DEPARTMENT OF PLANT REGISTRATION.

Registered by Swan Peterson, Gibson City, Ill., Gibson Beauty, color a magnificent shade of light pink, and entirely different from anything ever originated. Considered to be superior to Enchantress. Size three and one half inches and over. Form perfect and ideal for high grade fancy blooms with stem twenty-four to thirty inches and over, stiff and wiry. Calyx perfect and never bursts. Fragrance a rich spicy clove. Substance of the best, an excellent feature being its keeping and shipping qualities. Habits ideal; produces no surplus grass and is a strong and vigorous grower. Early, free and continuous bloomer, needing no special treatment to develop its blooms.

SPECIAL NOTICE.

Class L of the premium list should read: "By J. B. Valentine, of Park Floral Company, Denver, Col., \$25 in cash for the best twelve blooms of an undisseminated seedling shown by the originator, all varieties that are shown in classes requiring more than twelve blooms being excluded." The premium list as published

reads \$25 in cash for best blooms instead of best twelve blooms. It is the intention of the donor of this premium to bring out some of the good things in their second year, instead of waiting for the third year to see them.

ALBERT M. HERR, Sec'y.

CHRYSANTHEMUMS

Santa Claus.

The new white chrysanthemum, Santa Claus, brought out last season by David S. Beach, of Bridgeport, Conn., is shown in the accompanying engraving. It took well in its initial season and it has all the earmarks of a stayer. Mr. Beach, who is quite proud of the new acquisition, states that the habits of the plants are such as to make it very easy to grow. The foliage is dark green, plant dwarf, height not exceeding three feet, with a remarkably thick stem. The blooms do not begin to show until the last week in October. Mr. Beach named the variety Santa Claus because of its snow white, bearded appearance.

Chrysanthemum Comment.

"E. D. S." in the AMERICAN FLORIST of January 16, page 940, is somewhat "at sea" as to the origin of some of the varieties he mentions. Mrs. "F. W." Vallis (not "F. S.") is the correct name of Silsbury's variety, and it was distributed by no particular firm but by the whole of the English specialists. The probabilities are that good as it is in this country it will not be a success under the American method of culture.

Lord Ludlow is not a recent English novelty but is a standard variety here and is an Australian. Le Grand Dragon is one of Calvat's (French) of many years ago, once popular here but now surpassed. Lord Salisbury and Matthew Smith are rather ancient varieties and with Mary Inglis are also due to Australia. On the other hand I can claim

credit for raising Kimberley so it must not be classed as an Australian.

It is wrong to class Miss Elsie Fulton and Princess Alice de Monaco as synonyms. I admit that until the past season many considered them such. The first named is much to be preferred, the flowers being larger and more easily produced. The florets are smoother and more even, whilst the foliage is less robust. W. J. GODFREY.

I do not doubt the correctness of Mr. Godfrey's comments, as most of the varieties brought to this country are procured from English disseminators. I cannot say how these errors occurred unless my article was written by memory instead of referring to records at hand. As to Lord Salisbury, Lord Ludlow and Matthew Smith, they are still quite new in this country. However, we find all three of these as well as LeGrand Dragon were reported in the Gardeners' Chronicle of November 14 as being among the winning forty-eight blooms, distinct, and were grown by W. Mease, gardener to A. Tate, and shown at the N. C. S. meeting. As to the similarity of Miss Elsie Fulton and Princess Alice de Monaco, I doubt if there are many who could identify the two varieties if placed in stands unlabeled. They are certainly very much alike. I quite agree with Mr. Godfrey that many of the novelties which reach us from England do not respond to our methods; yet we must expect them as good until they have proved otherwise. ELMER D. SMITH.

Chicago Florists' Club Exhibition.

The fourth exhibition given this season under the auspices of the Florists' Club was held at Handel hall, Wednesday afternoon and evening, February 17, and was pronounced by those who regularly attend these club functions as one of the most interesting and successful of the winter series, both in point of the number of exhibits and the exceptional quality of stock staged. The exhibits comprised roses, carnations, violets, miscellaneous plants and bulbous stock, and each of these departments contributed something of keen interest and value to the trade. Under the management of Phil Hanswirth who worked untiringly, the exhibition took a long step toward the standard of excellence which is being sought by the club members. It is to be hoped that the spirit of unalloyed and genuine interest manifested in this event by exhibitors, trade members and the craft in general will be fostered, and that the successful club show has come to stay. As an adjunct to the trade these exhibitions are proving invaluable. A healthy interest was also shown by the public, who were admitted to the hall by card from 2 to 4 o'clock. The exhibits were adjudged by John Thorpe, W. L. Palinsky and Harry Bunyard, of New York, who is a visitor here this week.

The Chicago Carnation Company had vases of Crusader, Harlowarden and Alba, all blooms of high exhibition standard. Manager Hartshorne also staged a vase of Baur and Smiths' Indianapolis.

The J. D. Thompson Carnation Company, of Joliet, had a vase of Estelle, blooms of extraordinary size, color and foliage. Also vases of Mrs. M. A. Patten, Gov. Wolcott and Nelson Fisher.

E. G. Hill & Company, of Richmond, Ind., sent a vase of Adonis, 100 blooms.

Sinner Brothers had Lawson and America, the former remarkably well done. Their white seedling No. 200 was shown, and it has all the appearance of a good commercial carnation.

F. R. Thornton, of Galesburg, Ill., sent a vase of his white Illinois, which attracted much comment on account of its large free blooms and strong stem.

Anton Then displayed a promising variegated seedling, No. 122.

Several vases of 100 blooms each, of Lawson, were shown by John Reardon, gardener to Martin Kyerson. They were fine flowers, well up to the Lawson standard.

W. N. Rudd's popular pink Phyllis attracted creditable comment. It is a high class carnation and is winning many plaudits among the newcomers. Chicago White was also in Mr. Rudd's exhibit.

F. Dorner & Sons, of Lafayette, Ind., sent a vase of Lady Bountiful, splendid blooms.

Wietor Brothers sent from their regular noon shipment, taken from their counters a half hour before the exhibition opened, vases of Harlowarden, Sport, Lawson, Morning Glory, Enchantress and Chicago (Red Bradt). It was difficult to distinguish them from the carefully nursed exhibition carnations.

Peter Reinburg contributed to the rose exhibits with a fine display of his leading varieties, most prominent among them being his new Uncle John, the pink sport from Golden Gate. There were also vases of American Beauty, Chatenay, which Mr. Reinberg grows to perfection, Ivory, Liberty, Golden Gate, Bride, Bridesmaid, Perle and Sunrise.

Bentley & Company had a vase of good Bridesmaid, fifty blooms, and one of Bride, flowers much above the average.

George Hopp, of Grand Rapids, Mich., was present with a vase of his new unnamed pink rose, which, however, were frozen in shipping, and did not therefore show up as well as their worth merited. It is a cross between Testout and Bridesmaid, and a sister to La Detroit, which was originated by Mr. Hopp. It is somewhat darker than Testout, of good form and foliage. Mr. Hopp's stock is limited, only about 100 plants being now in his possession.

G. Swenson, of Elmhurst, Ill., sent the only violets shown, three vases of

100 each of California, Princess of Wales and Marie Louise, all of a rich dark color and delicious fragrance.

The George Wittbold Company never fails to come to the fore with a high class exhibit of assorted plants. The display of bulbous stock in decorated boxes and pans embraced Keizerskroon, Yellow Prince and Proserpine tulips, well grown jonquils, daffodils and Dutch hyacinths. Good azaleas and rhododendrons were also noted.

The Garfield Park Floral Company's exhibit of plants is deserving of special mention. It included specimen Pierson and Boston ferns, acacias, gardenias, cyclamens, primroses, Begonia Gloire de Lorraine and Azalea mollis.

Stollery Brothers had a nice display of La Reine and Keizerskroon tulips.

W. L. Palinsky showed fifteen pots of remarkably well grown cinerarias in 5 and 6-inch pots.

Primula obconica was shown by J. J. Mitchell. There were five pots, some of the best stock seen here this year.

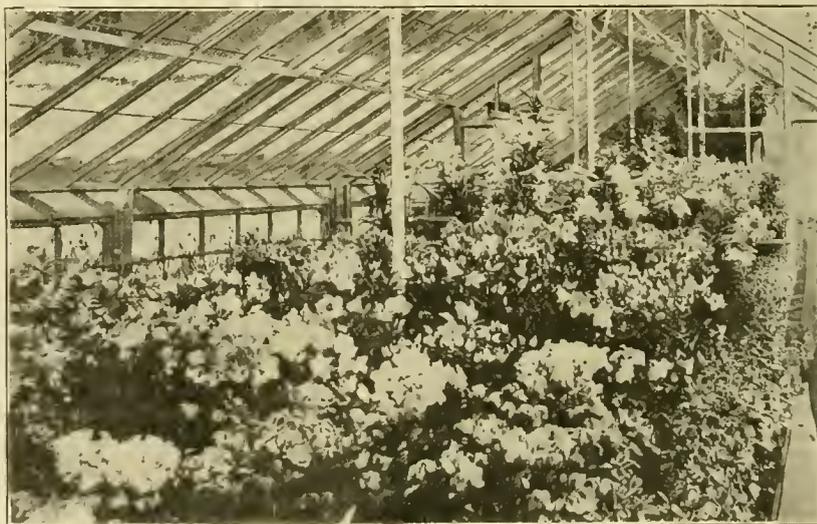
H. N. Bruns, the well known valley grower, displayed a small lot of good lily of the valley.

Kennicott Brothers staged home-grown valley, of the Berlin variety, grown by Klehm Brothers' nurseries. There were also 100 fine La Reine tulips, which were marvels in point of size and color.

The following awards were announced by the judges. They are not for individual exhibits, but for the general displays of the successful exhibitors: Peter Reinberg, roses, \$20; George Wittbold Company, plants and bulbous stock, \$20; Garfield Park Floral Company, plants, \$15; J. J. Mitchell, obconicas, \$5; Stollery Brothers, tulips, \$5; Wietor Brothers, carnations, \$5; W. L. Palinsky, cinerarias, \$5; Chicago Carnation Company, carnations, \$5; J. D. Thompson Carnation Company, carnations, \$5; W. N. Rudd, carnations, \$5; John Reardon, carnations, \$5; Klehm's Nurseries, valley, \$5; Sinner Brothers, carnations, \$2.

COBLESKILL, N. Y.—Alfred Goldring's greenhouse office was slightly damaged by fire on the night of February 4.

WILKESBARRE, PA.—Wm. B. Alburger, a prominent florist, died at his home, 2021 North Thirty-first street, after a short illness of pneumonia. Mr. Alburger was born in this city forty-seven years ago, and is survived by a widow.



SECTION OF S. S. PECKHAM'S SHOW HOUSE, EASTER, 1903, AT NEW BEDFORD, MASS.

WITH THE GROWERS

A Fairhaven, Mass., Florist.



S. S. Peckham.

With this we present views in two houses at the nurseries of S. S. Peckham, Fairhaven, and a view of Mr. Peckham's show houses at New Bedford, Mass. The carnation house is interesting from the fact that it was planned by its owner and built mostly by the help on the place. It is of iron and cypress throughout, hav-

Some Shamrock Folklore.

"The sweet little, green little, shamrock of Ireland" is perhaps, next to "sublime potatoes, that from Antrim's shore to famous Kerry form the poor man's store," the most universally popular plant in the world to-day, for while the latter may be the more widely known and most useful to all nations the former holds an unique place in the realms of sentiment; and among people of Celtic and Saxon origin is regarded with the warmest affection as emblematic of all that is charming and lovable in the Irish character—a character which blends

Three godlike friends—
Love, Valour, Wit, forever.

shamrakh is Arabic for the trefoil and the plant was held sacred in Iran and was emblematic of the Persian triad, long before St. Patrick's day. Mr. Bicheno and others have held that the wood sorrel (*Oxalis Acetosella*) is the true shamrock while Dr. Withering and Professor Rennie named the white clover (*Trifolium repens*) and Londou claimed the black medick (*Medicago lupulina*) as the true Irish emblem. Mr. Croker (not he of Tammany) points out, however, that as far back as 1689 the Irish themselves considered sorrel and shamrocks as entirely distinct. The "Irish Hudibras," printed in 1689, says:

Springs, happy springs, adorned with sallets,
Which nature purpos'd for their palats;
Shamrogs and watercress he shews,
Which was both meat and drink and clothes.

And again the Irish are there represented as

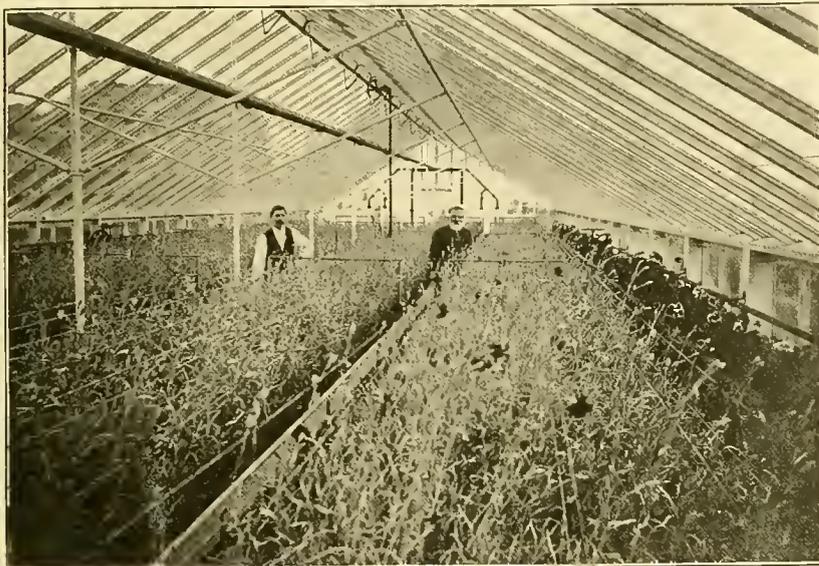
Without a rag, trousers, or brogues,
Picking of sorrel and sham-rogues

In another ancient Irish poem, the "Hespero-neso-graphia," the following passage occurs:

Besides all this, vast bundles came
Of sorrel more than I can name
And many sheaves I hear there was
Of shamrocks and of water-grass.
Which there for curious salads pass.

Keough, Threlkeld, and other Irish botanists assert that *Trifolium repens* or white clover is the true Irish shamrock and will have nothing to do with that "little, sour, puny plant, the wood sorrel." On the whole the weight of evidence seems to be with the white clover and it may not be out of place to whisper here to those conscientious deacons and other experts that the seeds of *Trifolium repens* that are for sale at any seed store in America at 25 cents per pound are just the same as what the humorous Irishmen charge them \$2 a pound for! On the strict "q. t." they were both of them, most likely, grown in Germany. After that we can all swear to having "the real thing" with a clear conscience.

I cannot refrain, in closing this brief note, from mentioning the clever reply of the author of the popular song, "The Green Little Shamrock of Ireland," to the manager of the Dublin theater whose breach of faith had caused Cherry's leaving the Irish stage. In answer to an application after his success at Drury Lane to enter into an engagement Andrew wrote:



CARNATION HOUSE OF S. S. PECKHAM, FAIRHAVEN, MASS.

ing three lines of Lord & Burnham ventilating apparatus, and is heated by a Lord & Burnham sectional boiler. The benches and braces are constructed of pipe and Jennings Brothers' fittings.

This year Mr. Peckham has added to his nursery equipment a water plant, also planned by himself and built by the force on the place. Having tried driven wells, which proved unsuccessful, he finally had resort to a boiling spring 1,600 feet distant, which was dug out twenty feet square down to bed rock, the excavation thus forming a reservoir holding about 700 harrels of water with a constant supply of twenty-five gallons per minute. At a distance of about 600 feet from the greenhouses a pumping station was located in which were installed a Mietz & Weiss kerosine engine and Deming triplex pump with a capacity of twenty-two gallons per minute. The next addition in the line of up-to-date equipment is to be a large soil and tool shed and packing house.

A great deal has been written as to what is the real plant meant by the shamrock, and as a rule most of the commentators start out with St. Patrick who used a three-leaved plant satisfactorily to explain to the early converts of christianity the trinity in unity. The trefoil plant, however, was held sacred long before that, as can readily be gathered from the fact that shamroc and



PALMS AND FERNS AT S. S. PECKHAM'S, FAIRHAVEN, MASS.

STROUDSBURG, PA.—Oscar Stemple, a former East Stroudsburg florist, died February 8.

COLORADO SPRINGS, COL.—The El Paso County Horticultural Society has decided upon August 24, 25 and 26 as the dates for its annual flower show.

LEBANON, IND.—P. O. Tauer will this spring build several new houses, 20x150 feet, for the growing of cut flowers. A new boiler will be installed in the houses in the near future.

Sir: I am not so great a fool as you take me for. I have been bitten once by you and I will never give you an opportunity of making two bites of
A. CHERRY.

The words of the song referred to were by Andrew Cherry, the music by Shield, and it was first sung by Mrs. Mountain in her entertainment called "Travelers at Spa," in Dublin in 1806. At the present time the shamrock is as popular in London town on St. Patrick's day as in Dublin or Manhattan and is therefore emblematic of the improved sentiments of good feeling and imperial comity which peace-loving citizens of the universe so rejoice to see. That the shamrock

The plant that blooms forever,
With the Rose combined,
And the Thistle twined,
Defy the strength of foes to sever.
Firm be the triple league they form,
Despite all change of weather:
In sunshine, darkness, calm or storm,
Still may they fondly grow together.

And so say we all of us: Long may the shamrock flourish!

GEORGE C. WATSON.

QUERIES.

To Destroy Earthworms.

ED. AM. FLORIST:—What can be done to destroy the common earthworm in vegetable houses?
SUBSCRIBER.

Apply broadcast one bushel of unleached hardwood ashes to each 400 square feet. If spread upon the surface the potash will be carried into the soil in watering, but it will be better to fork it evenly in the soil to the depth of four inches. If to be worked in deeper than this the amount should be increased. Saturating the soil with lime water or the use of fifteen pounds of kainit in 400 square feet are other remedies.
L. R. TAFT.

Rose Cuttings in Cellar.

ED. AM. FLORIST:—Will hybrid perpetual rose cuttings, dormant wood, six inches long, put in sand in a cellar where it averages 35° to 40° and put in open ground as soon as spring opens, do well or turn all black after they are put out?
J. VAN L.

The scheme is impracticable. Dormant rose cuttings cannot be rooted in a cellar under those conditions. A fair degree of success may be attained by planting cuttings in sand in a cold frame in the fall. By keeping them properly protected during the winter and attending carefully to air, watering, etc., in spring a strike of forty to sixty per cent may be assured. This method is practiced in some of the southern states, principally the Carolinas, with marked success.

ISAAC KENNEDY.

Greenhouse Heating.

ED. AM. FLORIST:—We have a greenhouse 15x25, nine feet to the ridge and banked to the eaves, which we wish to heat to 60° in zero weather. We have a Wilks heater described as follows: Size of boiler, 16x30; heating capacity, 140 gallons per hour; size of opening, 1½ inches. Will it heat the house? We have 140 feet of 1½-inch pipe. We would rather run all pipes underneath the benches. Would we gain anything by using larger pipe?
C. H. I.

The heater would probably give a temperature of 50° to 55°, but is hardly large enough for 60°. In order to heat the house easily there should be about 200 square feet of radiating surface,



THE SHAMROCK IN POTS.

which will require 400 feet of 1½-inch pipe. The easiest way to secure it will be to run a coil of six pipes around three sides of the house. By enlarging the openings to the boiler to 2-inch the coil can be supplied. If the pipes are placed under the benches there should be four coils of four pipes each with two flows and two returns in each coil. There should be a 1½-inch feed pipe for each coil.
L. R. T.

Piping For Greenhouse.

ED. AM. FLORIST:—We desire to heat a small house 16x40 with hot water using 2-inch flow pipe, the heater to be below floor of the shed. What is the best way to pipe it and how many flows and returns are needed if returns are 1¼-inch and bring the temperature to 60°? Outside temperature is sometimes 20° below.
J. B.

To heat the house properly about 300 square feet of radiation will be required and this is too much for one 2-inch flow. By using two flows and placing one upon each side wall or upon the purlin posts if there are any in the house and then using about twelve 1¼-inch returns the temperature desired can be obtained. The returns can be divided between the two walls, or if there is a middle bench where bottom heat is desired some of them may be placed there. In case the end of the house is exposed it will be well to carry the coils partly across the end. If there is no door in the end of the house farthest from the heater a very simple method of piping the house will be to run a coil of five 2-inch pipes clear around the house.
L. R. T.

Unopened Camellia Buds.

ED. AM. FLORIST:—I have several nice, stocky plants of camellia in 7-inch pots, one of them, a white one, bearing a dozen buds which opened fully. The others, some of them having as many as twenty-five or thirty buds, have only partly opened and some of the buds are falling. They were grown in a carnation house in a temperature of 50° in an ordinary light compost. What is the best exposure for growing them, southern or otherwise?
ENQUIRER.

It is not an easy matter to say just why some camellia plants open their buds satisfactorily, while others under

the same treatment and conditions do not. Dryness at the root has frequently been the cause of the trouble complained about. This I am inclined to think would be more likely to cause the unopening and dropping of the buds than being too wet, provided, of course, the drainage is all right, though, of course, there is danger in both extremes; but camellias are lovers of water, and should never be allowed to suffer for the need of that essential element at any stage of their being. The temperature seems about right. The escape of deleterious gases has sometimes been charged with the cause of the fall of buds, but if that were the cause why should one escape and the others succumb? Camellias are wont to set more buds than they can carry and open satisfactorily. Try dishudding, leaving one or at most two buds on each shoot of the plants that are dropping their buds. In the early days when I was younger at one place where I was working buds from camellia plants were removed by the bushel. As to exposure, at this season of the year camellias are not at all particular, but during their season of growth, when same is quite young, a little shade to save from burning during hot bursts of sunshine might be an advantage.
E. L.

Changing Soil for Roses.

ED. AM. FLORIST:—Would some of your readers, who are expert gardeners, give the reason for changing the soil each year in the cultivation of roses and carnations.
S.

The foregoing question, while it might be open to argument from a scientific point of view, would scarcely be considered to have more than one answer by anyone who has grown roses for cut flowers for profit, under the American system of forcing. I believe this question, if put to expert rose and carnation growers, would be answered in the majority of cases in these words: "Because the life has gone out of the old soil." Just what that life is we are not prepared to state, but we do know from experience that it must be present in order to obtain the finest results. In all probability it is sod. The best mechanical condition can only be maintained when a soil contains a fair proportion of sod. Such a soil we call

lively; it can be firmed without becoming packed; it admits air freely and absorbs water readily, while it drains properly with very little danger of becoming sour on account of stagnant water. These conditions are necessary for the successful establishment of young stock. There may be other reasons in favor of new soil, such as the supply of available plant food and so forth, but the above mentioned are so important that they alone make it imperative to renew the soil. I may state for the benefit of "S." that rose growers do not consider it necessary to renew the soil every year, but only every time a house is replanted, whether it be in one, two or three years. Many rose growers are getting first-class results by planting in well-drained, solid beds, in from eight to ten inches of soil, forcing for one year and resting the plants. Then when they are started without being removed they have a year's growth of roots to begin with, so that conditions which would apply to plants having to make new root action would not hold in this case, as the plants when once started would be in a position to take artificial feeding. In case "S." may think I am begging the question in regard to new soil, I will admit that I take it for granted that when a grower renews his soil he does so with one containing sod; but in so doing I can point to men who will say that experience has taught them to do that, and experience, as every gardener knows, is sometimes a very dear teacher. If this answer is not to the point then I can say that I am so firmly convinced of the merits of new soil for replanting that I can only give a woman's reason for the same: "It is so just because it is so."

M.

HOBOKEN, N. J.—Rudolph Freese suffered a severe loss of plants, from a fire which broke out in his greenhouses on the night of February 5.

MIAMI, FLA.—The annual fair of the Dade County Horticultural and Agricultural Society will be held in the Horticultural hall here March 4 to 7.

European Horticulture.

(From the German trade papers.)

Forcing Strawberries.—This seems to pay well in northern Germany. Large ranges of glass are now devoted to the culture. Certain varieties found to be the best and most profitable for this purpose are used. Small plants, rooted runners, are planted in 5 or 6-inch pots in August and kept in frames outside until late in the fall, when they are taken in and placed on benches in a coldhouse. Narrow houses covered with movable sashes and provided with one or two heating pipes give the best results. The real forcing begins in January and fruit is harvested in March and April. Two-year-old plants are sometimes carried over (depending on variety, soil and locality), but young plants, taken annually from the field, produce larger fruit, although a little later than second-year plants.

Dahlias.—The finest of the hundreds of old and newer varieties of dahlias exhibited last summer are said to be: Red—Standard Beaver, Red Rover, Progenitor, Holsatia, Meteor and Captain Broad. Yellow—Golden Plover, Volker, J. J. Crowe, Hobbie's Yellow and Sonnenstrahlen. Salmon, apricot and terra cotta—Countess of Lonsdale, Exquisite, Artus, Lodestone, General French and Mrs. MacKergow. Rose—Krimhilde, Zephyr and Sylvia. Dark red, almost black—Ebony, Uncle Tom and Night. White—Lord Roberts is the finest and most suitable for cutting in pure white.

New Celosia.—*Celosia cristata* Thompsoni magnifica, a fairly well known newer variety of the ostrich feather section of coxcombs, by careful selection, cross-breeding and special culture has been brought to so great a perfection that it now ranks first with the most gorgeous of pot plants and show specimens in Germany. Well grown plants attain a height of from two to three feet, forming a symmetrical cone, which, when in bloom, is covered with numerous, large, waving spikes of flowers, closely resembling real ostrich plumes, their colors ranging in all tints and shades from the brightest golden yellow to the deepest blood-red, the latter color being considered the finest. If rightly handled these celosias reach an enormous height, over three feet; so will their flowers be extremely large and brilliant and the season of blooming will last from early in July to late in autumn; or, if grown outdoors, until cut down by early frosts. To obtain these results the German growers sow the seeds not earlier than the latter part of April, keep them in warm quarters, encourage their rapid growth and transplant and repot as soon as needed, but never before the plant has

formed a firm, compact ball of roots, which by handling must not be bruised or broken. In this point is to be found the secret of their wonderful success in growing this plant, as well as in that of sowing the seeds late, instead of sowing early in midwinter, as is usually done. In sowing so early, the Germans claim, only stunted little plants are produced, which will begin to bloom before they are fully developed and the flowers of which will be of ordinary size only.

Eucharis Grandiflora.—This plant, better known in America as E. Amazonica, has been found to be a profitable cut-flower in Germany and is grown there to a great extent, while here only a plant or two are seen occasionally, sleepily growing in an old pot placed in some out of the way corner of the greenhouse. Doubtless our gardeners are not ignorant of the culture of this well known plant, still a few points may be of interest. A writer in a German paper says: "This is one of those plants that, if grown as a single specimen or separated from other plants of its kind, amounts to little or nothing. It loves to be growing in large numbers closely massed together. So grown in a bench, provided if possible with bottom-heat, in ordinary well enriched, sandy soil, it produces an abundance of flowers twice a year. In this bench they remain undisturbed for three or four years, when they ought to be taken out, divided and replanted into renewed fresh soil. The best time, of course, for this operation is in the natural time for rest, March or August. They are grown in a temperature like that of our rose houses, but requiring shade. A house in which palms or ferns are grown would answer better."

Dahlias vs. Tomatoes.—Tomatoes grown in the same field or in close proximity to dahlias cause ruin and destruction to the latter, owing to the evaporation of ammonia from the tomatoes. This statement, now swelling the miscellaneous reading matter of some of the German trade papers, first appeared in an English paper, and the Germans faithfully copied it. Some, however, declare it to be dog-day nonsense.

Potting Soil.—We all know how important the question of soil for the different cultures used to be, and still is in some places with European gardeners. How painstakingly particular, guided by elaborate formulas for this or that kind of plant, they were in the composition, preparation and mixing of the many different ingredients, believed to be absolutely requisite for success. They have got over that, in certain quarters, and overanxiety about the texture, smell and color of potting soil does not keep them awake nights now. Especially have German commer-



KENTIAS AT THE GEO. WITTBOLD COMPANY'S, CHICAGO.

cial gardeners learned a good deal of late in this respect by attending the many exhibitions, conventions and other trade and social gatherings of the craft in all parts of the fatherland, as well as by their more frequent journeys to neighboring countries. They found, for instance, that Mr. Linden, at Brussels, grows his fine collection of thousands of the costliest orchids in peat and sphagnum, while Sander in his branch establishment at Bruges uses nothing but leaf-mold for his orchids with equal success. What astonished them most though was the sight of acres of the finest azaleas, camellias and rhododendrons, all grown in all kinds of ordinary good soil, when it had taken our German friends a year or more at home to import, collect, compound and prepare a handful of soil for a few plants of that class. Most of them went home converts to the new ideas, while some remained hardened old sinners, and now those sacred dogmatic formulas have all to be gone over again, corrected and supplemented by comments, to be followed by the most careful experiment, trial cultures and separate tests. It's awful!

Tomatoes in Germany.—It is interesting to note in German papers the many different methods in the culture of tomatoes described and recommended. Germans have not only learned to appreciate their peculiar flavor, but have also in a way mastered the art of growing them. Twenty years ago the plant was practically unknown in Germany, at least among the common class of people. Only on well endowed private places one would see a plant occasionally growing under glass, not raised for its edible fruit, but as an ornamental vine, the bright clusters of fine scarlet love-apples greatly adding to its otherwise rather coarse beauty. They still grow them under glass, some in hot houses; most of them, however, on the sunny side of a wall; in many cases especially erected for that purpose. Sashes are leaned against or fastened to this wind-break and no doubt the plants do well enough so protected. The very early wrinkled kinds, long since discarded here, give best results. Various modes and systems of tying and pruning are in vogue, all of them named after their originators and every one as complicated and laborious as can be. Of course, wonder at all this lessens when the difference between their midsummer season and ours is taken into account.

An interesting Arum.—An arum, remarkable for its great beauty and singular habit of growth, is to be sent out next season by a German firm, and will no doubt meet with unbounded favor and ready sales as something really new in house and parlor plants. Strictly speaking it is not a new plant, having been in cultivation in some botanical gardens for a number of years, where its introducer, wide-awake and realizing its great possibilities, found it. The rhizome, or bulb-like corm of this interesting plant, is round and large, resembling that of *Caladium esculentum*, and in the fall or early winter develops directly from its crown a flower, or, what is botanically more correct, a spathe of rare beauty and form, about ten inches high by five or six inches in width, of a rich velvety blood red color, the odor of which is not disagreeable as is the case with most members of that order. The plant is of the easiest culture; in fact, no care of any kind is required to coax it into bloom. Brought into the house when in its dormant dry state, about September, placed in a saucer or ornamental dish of that description, it will send up its magnificent bloom, no soil or water being needed. The numerous dark green leaves, a foot long, of oval shape, forming a graceful dense rosette, appear after the flower dies away, and by their tropical luxuriance and symmetrical arrangement render this arum a superb decorative parlor plant for the rest of the winter. Although the wording of the description leads one to infer that even at this period the plant would grow without soil or water, it should no doubt be understood, granting all else, that after blooming it is to be potted up to complete its season's growth under conditions more natural to arums.

Why Evergreens Die.—Good logic and sound reasoning is not wanting in a paragraph from an article on conifers. It reads: "That so many of our hardiest evergreens are found in the spring with browned tops, barely surviving and great numbers of densely branched pines, spruces, arbor vitae, etc., entirely dry and dead, is not directly due to the low

temperature of a previous severe winter, but is to be explained by the fact that all evergreens and non-deciduous trees and shrubs evaporate through their foliage or needles moisture at all times, and, of course, also in the winter, and that their roots, being at that time imbedded in solidly frozen earth, are unable to replace this loss, thus being prevented from performing their part in the regular circulation of sap. Thorough watering on a mild day once or twice in winter is recommended as a precautionary measure."

Competition Restricted.—The authorities of Hanover have enacted a law forbidding all auction sales of plants in that city by firms of other towns.

Woman's Horticultural College.—A school for the training and instruction of women in practical horticulture has been established at Godesberg on the Rhine.

Noteworthy New Plants.—A new begonia of the *semperflorens* section is *B. S. coccinea* fl. pl., excellent for lawn-bedding and edging. Plants of this new variety are compact, bushy and not more than four inches high, covered all summer with bright scarlet double flowers. It was awarded the gold medal for best bedding plant by the Royal Horticultural Society of Vienna last summer. Another novelty, similar in character to the above, also fine for edging and border-planting, is *Ageratum Blausternchen* (little blue star), height three to four inches, flowers of a



New Aster Miss Kate Lock.

beautiful sky-blue, produced in profusion all through the season.

Polygonum Spectabile.—This, as yet scarce and high-priced, is a new outdoor decorative plant, belonging to the hardy herbaceous perennials. It is said to be the most valuable novelty in hardy plants sent out for many years. The foliage displays a variegation in all the colors of the rainbow, some of the large leaves being green with white, red or purplish spots, blotches or stripes, others half or entirely pure white, orange or fiery scarlet, not two leaves being alike in coloring, but all greatly resembling those of hot house fancy caladiums. This polygonum, like the older kinds, does well in any and all soils or locations, in a densely shaded position as well as in one exposed to the hottest sun. A plant of such great decorative value, thoroughly hardy and so easy of culture, may well be considered a grand acquisition.

Imperial Verbenas.—An entirely new race of verbenas has been obtained by taking advantage of the proclivity in that genus to sport, by careful selection and continued crossing, which, it is expected, will eventually take the place of those old emaciated varieties now in cultivation. In this new strain, introduced under the name of *Verbena hybrida grandifl.* Imperialis and being better known in Germany as the new Imperial verbenas, a novelty of great merit is offered to the public. The habit of the plant is robust, not creeping but boldly upright, carrying its immense

trusses of bloom on sturdy stems well above the foliage. Flowers in the brightest of colors, very large, single florets measuring nearly an inch in diameter, each one distinctly marked with a large pure white center or eye, rendering it most effective for massing in border plantings. On account of its compact, symmetrical growth it will be one of the finest pot plants for spring trade.

Thubergia Harrisii.—As a profitable plant to grow for cut flowers during the winter *Thubergia Harrisii* is recommended. The color of the flowers is light-blue with white center; ten to twelve together in the form of sprays or trusses fifteen to eighteen inches long, produced by the thousands on a plant well established, all through the winter. Propagation from cuttings or from seeds is not difficult and the subsequent treatment is simple. Either in pots, or, which is better, in the bench or solid bed, they will do well. Best results, however, are obtained from older, firmly established plants, if properly taken care of and given sufficient head-room to expand. The temperature required is about 60 degrees in winter.

China Asters.—The improvement in China asters is steadily going on. The last two or three years were remarkable for the number of new varieties introduced here as well as in Germany. But this season seems to have been even more prolific in this respect than any. Scores of new asters are offered in next year's lists, of which, so it seems, a Giant Comet aster, named Rubin (Ruby) may be found of great value to gardeners and florists, especially for cutting. It is declared to be the best of the comets so far brought out. The flowers are of enormous size, wavy and curled, full up to the center, not showing at any time a yellow disk, resembling chrysanthemums to such an extent that it was mistaken for such by nearly all of the members present at a meeting of the Society for the Advancement of Horticulture, Berlin, held September 24, where it was first shown. The color, as its name indicates, is a deep glowing scarlet, a shade scarce in asters.

Tropaeolum Black Prince.—This is a new addition of great merit to the Lohbium section of this ever popular genus of plants. Its foliage is very dark with a bluish violet cast; the flowers, when first expanding, are of a deep purple-black, gradually becoming a velvety jet-black, good for cutting.

Vitis Thomsoni.—This, a novelty of Japanese origin, is closely related to ampelopsis, to which our Virginia creeper and Boston ivy belong. This also is a hardy climber with beautiful foliage marked and spotted red, blended with violet.

Saxifraga Rhei Superba.—This is a greatly improved form of the well known Aaron's beard. It is said to be a good thing for rockeries, hanging baskets, etc.

Salvia Ringens.—Although not a new thing, this plant had become very scarce, but now, when the value of some of our old garden favorites for certain purposes begins to be more appreciated and hardy perennials are finding their road to public favor smoother, this beautiful hardy border plant is also brought forward and re-introduced by German growers. And indeed, it fully deserves it. It is a very pretty, semi-woody, shrub-like plant, not resembling other members of the sage family much, although it belongs to that tribe. It forms a neat, compact bush, several feet high, covered for months in the summer with countless beautiful light blue flowers of large size, and a peculiarly graceful feathery form. The plants can be easily raised from seeds and, if sown early in the spring, will flower the second season.

Yellow Disliked.—Yellow flowering plants, and especially cut flowers, loose or made up in that color, meet with disfavor and slow sales in Germany.

New Aster Miss Kate Lock.

This aster originated from the Branching and Washington asters. The flowers, which resemble the Truffaut in form, measure from five to seven inches across with stems thirty-six to thirty-nine inches long on fine robust plants, about fifteen blooms on very stiff stems to each plant. The flowers can be easily and artistically arranged when cut. This aster will take a prominent place in the market for cut blooms as soon as it is better known.

THE RETAIL TRADE

THE floral tributes which had been sent to the family of the late Mark Hanna filled the marble room in the rear of the senate chamber, Washington, D. C., and only a few lilies and roses were banked about the catafalque. President Roosevelt sent a cross of violets, surrounded by a wreath of orchids.

Confederate Flag On Easel.

This was one of the largest and most elaborate emblems sent to the funeral of General John B. Gordon at Atlanta, Ga., and was the tribute of the John B. Gordon camp, United Sons of Confederate Veterans. It was made on a panel and stood eight feet high. The flag was made of red carnations and violets and the stars of white carnations. The top of the flag pole was a half-blown Easter lily tied with chenille tassels. Bronze galax leaves filled the space between the flag and the border, which was made of Bride roses, white hyacinths, smilax and maiden hair ferns. The lettering was done with pink felt letters on the white satin ribbon. The drapery at the bottom of the design was of white tulle and black crepe. The emblem was made by the C. A. Dahl Company, of Atlanta.

Chicago.

The market this week broke away from the indifferent rut it has been traveling since the holidays and turned stiff and strong. Everyone reports a most satisfactory condition. A healthy briskness characterized the market all week, especially during the first few days. The activity was considerably accentuated by the circumstances of St. Valentine day and the festivities, and heavy shipping calls from New Orleans. On Saturday violets were the item demanded and those who exercised enough foresight to fill their refrigerators with this popular Valentine day flower had no cause for complaint. Beauty roses continue a scarce item, this applying especially to the medium lengths. The growers have been compelled to cut all rose stock exceedingly close, but in spite of this the general quality is excellent. There appear to be plenty of carnations. The better grades move readily, but considerable "drumming" is necessary to dispose of the lesser lights. Bulbous stock is coming into the market with no signs of abatement. Red tulips have the call over other stock. The fancy fern situation is worthy of comment. It has been a long time since this item has ruled as high as they are now figuring; \$3.50 has been reached and all of the receipts are selling readily. Some of the eastern ferns show a deficiency in quality. The growers advise their local buyers that their supplies now in storage are limited to an almost unprecedented degree. Excessive snows during the last cutting season is given as the cause.

The south side meeting of the Florists' Club, Saturday evening, was of the entertainment order and proved very enjoyable. After supper at the Drexel cafe the members proceeded to a hall across the street, where W. Foster Burns made an interesting address urging unity of action where the best results are desired in club life as well as in politics and business. Press Woodruff told a number of his inimitable funny stories and a negro trio rendered vocal and instrumental music. Messrs. Reardon and Woodward deserve the thanks of the club for the excellence



CONFEDERATE FLAG ON EASEL.

(By C. A. Dahl Company, Atlanta.)

of the arrangements, but it is to be regretted that the south side representatives of the trade did not turn out in larger numbers.

Fire in the greenhouse of Herman Krause, on Jeffery avenue, caused a loss of several hundred dollars on the morning of February 12. The blaze started from the heating plant and before the arrival of the firemen it had gained such headway that it threatened the dwelling occupied by Mr. Krause and his family. Many potted plants were damaged.

Bentley & Company, with a view to expanding, and possibly in the near future absorbing other interests, have incorporated with a capital of \$10,000. The new stock company will be known as the Bentley-Coatsworth Company. The incorporators are F. F. Bentley, Louis Coatsworth and Philetus Smith.

The fourth Florists' Club exhibition of the season was held at Handel hall on the afternoon of February 17. In another column will be found a detailed report, together with the awards of the judges. The next regular meeting of the club will be held at Handel hall on evening of March 9.

Representatives of the Gardeners' and Florists' Union complained to the executive board meeting of the Chicago Federation Wednesday that General Superintendent Cook of the West Park system refused to grant union wages to the men. A committee of the federation will call on Mr. Cook.

Wietor Brothers report an increased activity in the cutting business. The extremely cold weather has not been conducive to a heavy business in this line. While the orders came in fast enough, the stock could not be shipped to distant points with any degree of safety.

The carnation convention at Detroit March 2-3 is exciting more than passing

interest among live local florists. A representative Chicago delegation will be on hand. Special rates have been secured on the Wabash and the party will leave on the afternoon of March 1.

The George Wittbold Company this week removed its stand in the rear of the Flower Growers' Market to a more prominent location in the front of the hall. Some fine stock is coming in from the company's Edgebrook establishment.

Frozen violet shipments from the east were incidents in nearly every commission house this week. In several cases no blame can attach to the shippers as the goods were properly packed. It is up to the express companies.

Some unusually large elm trees, weighing from three to four tons, are being moved from Maywood for planting along the avenue leading to the proposed site of the Washington monument in Washington park.

H. D. Kamp, of Kenosha, Wis., was a business visitor here this week. He says this season has been unusually severe on the Wisconsin growers and coal hills make those of 1903 look insignificant in comparison.

T. J. Corbrey is now located at Long Beach, Cal., and his health has been excellent since he went to the coast. He will make a specialty of growing asters and pansies on an extensive scale for seed.

Wednesday was the first day of Lent, and it was barely noticeable in the market. Retailers report a quiet trade the latter part of the week in consequence.

John Degnan, of the E. F. Winterson Company, was confined to his home several days this week by a severe cold. Four new houses will be built this spring by J. A. Dudlong.

G. E. Piesser made a business trip to Iowa last week.

Andrew McAdams is sojourning at Ocean Springs, Miss., for the benefit of his health.

New York.

The less said about the cut flower trade the better. At the present writing Ash Wednesday looms up, linked with a blizzard, and the result of the combination is as uncertain as the Russo-Japanese war. The war, by the way, has been settled and we know the victors, thanks to the Barclay street contingent. Prices are tending downward, nevertheless, and no doubt our next week's report will show a drop in such specialties as have not already touched bottom.

It is a little early, but we will pause long enough to remark that the next meeting of the Florists' Club will be devoted to the interests of the rose. Prospectuses now on record indicate a remarkable outbreak on that occasion, despite the carnation. Robert Simpson, the expert on roses, will read a paper on his specialty with the dollars bristling all over.

At the meeting of the American Institute on Wednesday evening, February 10, a paper on "Cool Orchids," by E. O. Orpet, was read, also a paper on "Leaf Mold for Orchids," by C. W. Schneider. G. V. Nash, of the New York Botanical Garden, presented some stereopticon views in illustration, the slides being beautifully colored by Mrs. C. Van Brunt.

Wm. Fink, a florist who was supposed to have been drowned February 1 in escaping by swimming the East River from Blackwell's Island, where he was serving a six months' sentence for non-support, has been discovered very much alive by his wife. He was handed over to serve out the rest of his term.

Siebrecht & Sons are building a greenhouse 25x60 feet at Ninetieth street and Broadway.

Treasurer H. B. Beatty, of the Society of American Florists, was a visitor this week.

Philadelphia.

The chief topic at this writing is the weather which has been very cold for the past few days, the glass showing a night temperature of 2° to 4° below zero two nights in succession. Coming as this does after so many weeks of severe weather it cuts into the already depleted coal pile and adds to the grower's burden. Things were much more lively the past week and all salable flowers were quickly grabbed up. Valentine's day is getting to be quite a factor in the business. At the close of Saturday there was scarcely anything left. Violets sold up clean and were the favorite flower. Some of the retail florists offered floral valentines and some had pretty boxes. Most of the business, however, was of clusters and boxes of choice flowers. Prices stiffened a trifle, the best Beauties going to \$6 per dozen and very scarce at that. Carnations are now at their best. Lawson is now foremost as all the stocks appear to be doing well. The Stratford farm is sending in grand Lawson, Prosperity and Adonis, the latter being particularly fine. Pansies are scarce. Many growers say their stock this season has been a failure. Daffodils and tulips are now the favorites and large quantities of the daffodils are handled every day at \$2 to \$2.50. Freesias sell well at \$3 to \$4. There has been a scarcity of Easter lilies the past two or three weeks. Why is

this? They are easy to flower at this season and will bring readily \$1.50 per dozen, which is better than \$10 at Easter.

The lilac crop has been short the past week, Harris being the only man, with the exception of a few out of town shipments, having them. This is Mr. Harris' first season and he is much pleased with the results.

"France has the lily
England has the rose"
But Harris' is the place
Where the shamrock grows.

Here they are, 40,000 strong, a large house full, pot after pot and an overflow house for the shamrock pans. This is a great side line. Everybody has to have a few and this explains where they all go.

Next Wednesday evening will be ladies' night at the club. The committee has worked hard and it should be a grand occasion. There will be music, refreshments and special prizes for both bowling and shuffle-boards, open to ladies only.

The extreme weather has made the lily growers apprehensive of their Easter crop. Robert Craig says it will take some hurrying but if the weather is bright it will help considerably and most of the stocks will be in.

Manager Meehan, of the Market, says trade has been booming lately and he has no kick coming. Their stock of fancy single violets is fine and they go out almost faster than they come in.

Myers & Santman are cutting some choice Queen of Edgely which for color, stem and foliage are hard to beat. Their Beauties have also done exceptionally well this season.

W. P. Craig was confined to his bed a few days threatened with pneumonia, but is now better.

Leo Niessen has been headquarters for pansies, at present the scarcest flower in town.

Eddie Fancourt is on the mend and hopes to be about in a couple of weeks.

John McIntire of Ed. Reid's force is now with H. H. Battles.

Visitors in town were Messrs. Seidewitz & Frazier, of Baltimore, and J. H. Troy, of New York.

Boston.

Jackson Dawson was the star at the monthly meeting of the Gardeners' and Florists' Club at Horticultural Hall last Tuesday evening. His talk was on his favorite subject of hardy shrubs and climbers for the garden. The list of subjects desirable for this purpose because of their attractive habit, beautiful foliage, flowers or fruit, hardiness and varied adaptability, was an extensive one, but Mr. Dawson held his audience intact throughout by his earnestness and interesting manner. A motion was unanimously adopted, seconding the invitation by the Massachusetts Horticultural Society to the American Carnation Society and American Rose Society to hold their 1905 meetings in Boston. The club was invited by Messrs. Oakes Ames and W. N. Craig to visit the Ames conservatories at North Easton on Tuesday, March 8. Mr. Craig exhibited two very fine plants of *Cyclamen Persicum* on the president's desk.

Wintry weather and the closing of the fashionable period have conspired to help the flower business somewhat during the past ten days. Prices have been better and maintained better than for some time heretofore on a few specialties, chiefly roses, but it is very evident that the short crop has been the mainstay of

the flower values and that with a full cut conditions would be discouraging. The total amount of business done this season falls far below the average of recent years. Lent is not likely to make it much worse, and it is possible that in the event of moderate weather the market may be materially improved under the favorable conditions for transient street sales.

L. B. Brague, H. J. Smith and others interested in the hardy fern business, have been in attendance at the state house in the interests of the fern trade, as affected by the bills now under consideration for the regulation of this industry. A compromise measure is likely to pass, whereby the interests of the local fern gatherers will be protected while vandalism by irresponsible foreigners will be checked.

Cornelius Dineen, for twenty years head gardener for Mrs. Wm. Peck, at Arlington, was in court on February 12 to answer to a charge of cruelty to animals. The alleged offense was cutting off the tails of a number of cats.

At Horticultural Hall last Saturday a very fine plant of *Odontoglossum Midgleyanum* was exhibited by Arthur Hunnewell and a cultural certificate was awarded to T. D. Hatfield, the grower.

W. A. Kennedy, of Milwaukee, who came east to attend the funeral of his father, spent one day in Boston this week.

Mr. and Mrs. Oakes Ames started on Monday for a two months' trip to Cuba.

Julius Heurlin has returned from a short visit to France.

St. Louis.

The carnation meeting of the St. Louis Florists' Club February 11 was a decided success. It was remarkable for enthusiasm and the magnificent blooms exhibited. Thirty-four members and five visitors attended. Among the visitors were J. D. Thompson of The J. D. Thompson Carnation Company, Joliet, Ill.; James Hartshorne, manager of the Chicago Carnation Company, Joliet; Martin Renkauf, with H. Bayersdorfer & Company, Philadelphia, and G. M. Kellogg, Pleasant Hill, Mo. The general excellence of the vases shown elicited favorable comment. Although no prizes were offered exhibitors from distant points, the representatives present vied in arranging stock to the best advantage. The J. D. Thompson Carnation Company had five of its choicest varieties—Enchantress, Mrs. Patten, Estelle, Gov. Wolcott and Nelson Fisher. About forty blooms of each variety were shown. They averaged by actual measurement three and one-half inches in diameter. Enchantress was at its best with fine flowers on good, long, stiff stems. It was pronounced by the committee appointed, consisting of A. Joblonsky, Wm. Winter and J. Steidle, to be the best of its color. Mrs. Patten was said to be the "best variegated." Nelson Fisher, was also in evidence. Gov. Wolcott is a good white, with a well built flower and stem. The report on Estelle speaks for itself: "Best we have seen of its fine color and stem." The Chicago Carnation Company had four varieties on exhibition, including Dorothy Whitney, Fiancee, Crusader and Harlowarden. Dorothy Whitney was the only yellow variety present. It was said to be "finest of its color." Crusader is a very good red with good stem and flower. Harlowarden was pronounced

the best crimson. Fiancee was the largest pink variety, with a good stiff stem and perfect flower. Baur & Smith, of Indianapolis, showed a beautiful vase of the new Indianapolis. They were much better than those shown at a former exhibition. The stems were stiffer and blooms slightly deeper in color. The committee's report read: "Good pink for commercial purposes." R. Witterstaetter, Cincinnati, had a large vase of the new Cardinal. It is a deep red of good color and stem. Everyone admired it greatly. F. Dorner & Sons' Company, Lafayette, Ind., were much in evidence with Lady Bountiful as the center of attraction and The Belle a close contestant. Lady Bountiful is an almost pure white variety of good stem and substance. It was one of the best on exhibition. The Belle is a good white. The local exhibitors were out in force with some of their choicest. Three prizes were offered by the club. John Steidle got first for a vase of Enchantress and Harlowarden; F. W. Ude second, for a vase of Enchantress and Prosperity, and A. Joblonsky, third, for a vase of fifty Peru. Fred. Ammann exhibited White Cloud and Queen Louise. James Dunford and F. J. Fillmore exhibited vases of mixed varieties. All the blooms shown by local men were of a high order and reflected great credit on the growers.

The usual routine of business being dispensed with at the meeting, F. J. Fillmore read an interesting essay on "Carnation Growing." Several points called for lively discussion, particularly in regard to the merits of side shoots or stems for cuttings, also the proper heat for the propagating bench. All the visiting growers entered into the spirit of the meeting and gave the local men the benefit of their experiences. Mr. Guy, of Belleville, illustrated his talk with a box of specimens. After a vote of thanks to the out-of-town exhibitors and to Mr. Fillmore, F. W. Maas, of the Plant Seed Company, made application for membership in the club. James Dunford made a motion that James Gurney, superintendent of Tower Grove park, be elected an honorary member. This was done by an unanimous vote. Fred. Ammann then read an interesting account of the journey he and Mr. Joblonsky took through Illinois and Indiana and their search for blue carnations. President Beneke announced the meeting would be held one week earlier next month, as the national executive committee would then be in session. The meeting will be on March 3. The prize winning blooms were next auctioned off by Auctioneer Fillmore, after which the meeting adjourned.

The prevailing cold weather has given the demand for stock a slight boost, although no change in prices is noticeable. Roses held up well. Beauty is offered in small quantities. Carnations are seeking a higher level, the best selling for \$5. Violets were in great demand St. Valentine's day. Quantities were sold at 75 cents to \$1. There is no perceptible change in either narcissi, valley or Romans. The market as a whole is steady and holding its own.

Dr. Wm. Trelase, of the Missouri Botanic Garden, left February 17 for a two months' collecting tour in Old and New Mexico. Sam Trelase, who was stricken with a severe attack of appendicitis in the fall, accompanied him.

Mrs. H. O. Berning is slowly improving.

F. K. B.

Baltimore.

As a result of the great fire trade the last week was slack, and the near future is not encouraging. There were a few weddings, which there was no disposition to delay, and necessarily some funerals it was impossible to postpone, but practically all social entertainments were called off, society cotillions, assemblies, dinners and receptions, for some of which elaborate preparations had been made, being postponed indefinitely. Lent began Wednesday and diminished still further the demand for flowers and decorations, for, although recently this season of denial has not made the difference that it formerly did, this year will find its exhibitions of display and indulgence comport only too well with the conditions generally of pocket books and bank accounts. The usual routine was the ending of large functions, and in some religious communions almost all weddings, but there were many small gatherings—teas, receptions and dinners—making a pretty constant and even trade. These for a few weeks now are hardly expected to materialize.

But trade is not dead, and there are no signs of despondency. The florists as a body suffered directly less probably than any other trade, though from the interdependence of all our people there are necessarily some losses which will, as they must, be borne with the courage inspiring our entire community. The heaviest loss is the decline in business, but this will right itself as our business community rehabilitates itself. All are cheerful and grateful that there was no loss of life, that few homes were destroyed, that no destitution exists (only twenty persons having applied to our Associated Charities for relief), and that we miss wholly the physical suffering and mental distress which would have followed the destruction of so great an area in the residential section.

The weather continues extremely cold for this section; and we have completed our third month of a winter without a break—an experience new here to men of even old age. Still, the days are bright, the skies blue, the air bracing and dry. Roses were scarce last week—probably scarcer than at any other time during the winter, and orders for St. Valentine's day were difficult to fill. Carnations were more abundant and bulbous stock is coming in very plentifully. Demands for flowers for Senator Hanna's funeral in Washington made a marked demand to-day (February 16). On Sunday there were great crowds of excursionists from contiguous territory to view the ruins in the burnt section, and this being doubtless noted by the press there were seen yesterday street fakirs from other cities offering flowers on our congested thoroughfares.

To-day died one of our oldest members of the trade, Nicholas Kress, aged eighty-two years. He was born in Hinderstein, Hesse, Germany, and came to this city in 1846. He was employed for several years as a private gardener, then began business as a florist, made it a success until his retirement, when he was succeeded by his son, Edward Kress, who continues the business at the stand on North avenue, so long occupied by his father. Mr. Kress was widely known and greatly respected. His portrait appeared in the issue of April 7, 1900, of THE AMERICAN FLORIST.

Another death of a citizen known to thousands of our people was that of Captain William H. Cassell, for some thirty-six years superintendent of Druid

Hill, the largest and noblest of our system of public parks. He was seventy-five years old, and his long contact with the multitudes who frequent the park, his kindly and frank manners, his cheerful disposition, and especially his fondness for the children who were so often under his care in their picnics and assemblages, made him a universal favorite, whose death will come to multitudes as a personal bereavement. S. B.

Detroit.

The club meeting February 17 brought out an extraordinary attendance. The coming carnation meeting absorbed attention. All the committees' reports indicated complete readiness for the event of March 2 and 3. Inquiries for hotel accommodations are being made from all parts, and indications are for a grand exhibition and record breaking attendance. There will be a special meeting of the club in the rooms of the Michigan Cut Flower Exchange, February 29, when all minor details for the convention will be completed.

St. Valentine's day was celebrated Saturday and brought a wave of business activity. Purchases were heavy and ran mostly to violets and carnations. The supply of roses was early exhausted. The price of violets was materially less than a year ago. Carnations and roses maintained the same figures.

Mrs. N. M. Nettleton, 126 Miami avenue, has quit business, and is succeeded by C. A. Shaw. J. F. S.

New Castle, Ind.

All the greenhouses in this great rose growing center are having good cuts considering the extreme winter which we are having. At the Reinberg & Weiland place, which contains 100,000 feet of glass, they are cutting some fine Bride and Bridesmaid with stems three feet and more. Their Beauty roses are considerably off crop now. This place the coming season will be owned and operated exclusively by Peter Weiland and will be planted partly in carnations.

At the South Park Floral Company's houses (Heller Brothers) they are having a fine cut of all varieties except Liberty. They have a bench of 600 plants of the new red rose, Gen. MacArthur, which they think will be a great addition to the red roses. As seen here it is much more free blooming than Liberty, makes stems that grade high and has no surplus or blind wood. The foliage is extremely large and beautiful and its fragrance is delicious. A very heavy crop of magnificent Bride and Bridesmaid is just starting. The Beauties are in fine healthy condition, and while they are not cutting heavily now within two weeks there will be thousands of them. They have 200,000 feet of glass planted exclusively to roses.

At Benthley & Company they will soon be cutting a nice lot of tea roses, but the Beauty are off crop. They are devoting a great deal of their time now to the cutting business. They devote 75,000 feet of glass to roses.

At L. A. Jennings' good Bride and Bridesmaid will soon be cut. It is rumored that he will enlarge his place soon.

At Dittmann's the Beauty roses have been dried off and are now being started. He will build two houses this spring.

CLEVELAND, O.—Adam Graham and wife are sojourning in Florida.

THE AMERICAN FLORIST

NINETEENTH 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.

Space on front pages and back cover page sold only on yearly contract at \$1.00 per inch, net.

The Advertising Department of the AMERICAN FLORIST is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only. Orders for less than one-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.

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

EASTER this year falls on April 3, nine days earlier than last year.

OUR Baltimore "Subscriber" should remember that all communications should be signed with the real name and address of the writer.

RHODODENDRONS take from four to six weeks, according to variety, for forcing into flower, with a temperature of 70° by day and 60° by night. An abundance of water and exposure to full sun is recommended. Watch for burning spots in the glass which are very apt to disfigure the foliage as well as the bloom.

CRIMSON RAMBLERS for Easter should now be in rapid growth and well covered with luxuriant foliage. Full sun is essential. If the foliage is still tardy supply a moist atmosphere and spray frequently. Avoid sudden changes and blow flowers of sulphur freely over the surface to keep mildew off. Fumigate often to escape insect pests. Ramblers flourish in a day temperature of 65° to 70° and a night temperature of 58°.

GIVE the hydrangeas full sun and moist atmosphere until they are in full bloom after which a slight shading may be beneficial. Frequent syringings are required to combat red spider and the plants should be fumigated lightly, but often, for green fly, etc. In the earlier stages of growth hydrangeas should be watered sparingly, otherwise the foliage is apt to come light colored and flimsy. Day 70° and night 60° is the right temperature.

An even temperature for gardenias is very essential. Any changes are liable to blight and cast the buds; 60° steadily by day and night is about right for their best development. Moderate watering is advised as either excessive or scanty watering is apt to bring on the "yellows." Lilacs can be forced for Easter in from nineteen to twenty-one days. The pink varieties will prosper in full light and a temperature of 70° day and 60° night but the white sorts require heavy shading and a regular temperature of 70° both day and night. Too high a temperature, especially in the first few days, is apt to cause the blooms to come knotty. To insure fine growth the branches should be sprayed five or six times each day.

Society of American Florists.

The annual meeting of the executive board has been called by President Breitmeyer to convene at St. Louis, Mo., on Saturday, March 5. Members of the

society or others having in mind matters which should be brought to the attention of the committee for the benefit of the profession or the interests of the society are requested to send same in writing to the secretary at an early date. All such communications will be gladly welcomed by the officers of the society, and will be given all due attention. The sessions of the board will be held at the Southern hotel, and will probably continue for three days.

WILLIAM J. STEWART, Secretary.

Catalogues Received.

The Leach Insecticide Company, Baltimore, Md., insecticides; Nathan Smith & Son, Adrian, Mich., chrysanthemums, etc.; Harry N. Hammond Seed Company, Ltd., Bay City, Mich., seeds; Old Colony Nursery, Plymouth, Mass., nursery stock; Wm. Henry Maule, Philadelphia, Pa., seeds; Vaughan's Seed Store, Chicago and New York, seeds, plants, bulbs, etc.; Bobbink & Atkins, Rutherford, N. J., plants, nursery stock, etc.; W. E. Caldwell Company, Louisville, Ky., tanks and tubs; M. Crawford Company, Cuyahoga Falls, O., strawberry plants and gladiolus bulbs; Friedr. C. Pomrencke, Altona Hamburg, Germany, seeds and bulbs; The Mitchell Greenhouses and Nurseries, Mitchell, S. D., plants, bulbs and nursery stock; F. Dorner & Sons Company, Lafayette, Ind., carnations; W. N. Scarff, New Carlisle, O., berry plants, poultry, etc.; A. E. McKenzie & Company, Brandon, Manitoba, Can., seeds; Northrup, King & Company, Minneapolis, Minn., seeds; James Vick's Sons, Rochester, N. Y., seeds, plants, bulbs, etc.; John Lucas & Company, Philadelphia, Pa., paint; Rene Schoo & Company, Hillegom, Holland, bulbs and roots; Lewis Roesch, Fredonia, N. Y., nursery stock; F. W. Dixon, Holton, Kan., fruit plants; The Fraser Nursery, Huntsville, Ala., nursery stock; Forest City Nurseries, Portland, Me., nursery stock;

OBITUARY.

Mrs. Emma Klingbiel.

Mrs. Emma Klingbiel, wife of Otto Klingbiel, Davenport, Ia., died at the Mercy hospital, February 15. Mrs. Klingbiel was born at Segeberg, Schleswig-Holstein, and came to this country in 1888, and was married to Mr. Klingbiel in 1898. Mr. Klingbiel and two children survive.

Alexander Kennedy.

Alexander Kennedy died February 6, at George's Road, New Brunswick, N. J. He was born at Banff, Scotland, seventy years ago. He served his time at gardening at Gordon Castle, also at Edinburgh. He came to America and worked as gardener at private places around Boston and New York city, finally settling at New Brunswick on a place of his own and growing cut flowers, vegetables and small fruit. Here he laid out a place whose fine and stately trees live as a monument to his memory. He was known by those who knew him best for his strict integrity and honorable dealings. A wife, two sons and one daughter survive him, the sons following in the footsteps of their father, Lachlan at Yonkers, N. Y., and William A., at Milwaukee, Wis.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 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 in greenhouses; 7 years' experience. Address R, care American Florist.

Situation Wanted—By young man, age 30, with experience in greenhouse and garden and in taking care of a gentleman's place. Address Y M, care American Florist.

Situation Wanted—By young Hollander palm grower; life experience evergreens and fruit trees. Best references. Address K L, care American Florist.

Situation Wanted—By a middle-aged, single German; life experience in cut flowers and pot plants. State wages. Address G. KIEFNER, 72 W. Madison St., Chicago.

Situation Wanted—By florist and gardener on private place. All branches; married, capable; age 28, Swede. Address A. LAWSON, Eastover Farm, Oyster Bay, L. I., N. Y.

Situation Wanted—By young man 23 with commercial florist; 4 years' experience under glass in England and Guernsey. Excellent references. Address H B, care American Florist.

Situation Wanted—By experienced gardener and florist up-to-date, on private place; wants to change present position for other; age 38; married, no children; best references. Address A M, care American Florist.

Situation Wanted—By young man, German, 31 years old; 15 years' experience in palms, ferns, bedding, forcing and Easter stock. Private or commercial. Address C J, 738 W. Chicago Ave., Chicago.

Situation Wanted—As head gardener in private place; 17 years' practical experience in large English gardens; good testimonials as to character and abilities; age 31, married. Address F. WESCOTT, Box 214, Deep River, Conn.

Situation Wanted—Carnation expert wants position on commercial place. 20 years' experience in general greenhouse work. Best of references given. Give full particulars when you write. Address EXPERT, care American Florist.

Situation Wanted—By a thorough practical grower. 20 years' experience in growing roses, carnations, mums, ferns, palms and general greenhouse stock. Can furnish all references. Would accept private place. Address E W, care American Florist.

Situation Wanted—By first-class rose grower and florist, capable of taking charge of place or section; good propagator and grafter; 15 years' experience with good reference; age 30, married. Please state wages. Address R J P, care American Florist.

Situation Wanted—As head gardener on private place, understanding greenhouse work, vegetables, raising trees, shrubs and general landscaping. 29 years old. Married. Life experience. Address A 714, Law Building, Indianapolis, Ind.

Situation Wanted—By gardener who thoroughly understands the raising of fruits, flowers, vegetables under glass and outdoors; also general landscaping. Gentleman's place preferred. Married, age 37. Address 2097 St. Anthony Ave., Merriam Park, Minn.

Situation Wanted—By expert grower of pot plants, roses and carnations. Well posted in forcing, grafting and propagating; 11 years' experience in this country and Europe. Can furnish all references; 26 years of age. Please state wages. Address B C, care American Florist.

Situation Wanted—By a sober and competent man; 35 years of age. 20 years' experience in general stock plant growing and landscape gardening. Ilave diploma. Am able to take full charge of private or commercial place. Best of references. Want steady position. Address E L, care American Florist.

Situation Wanted—As foreman in first-class establishment. Advertiser is at present holding a responsible position, but is desirous of making a change. Thoroughly versed in all modern methods of culture. Of good habits and address; married; the West preferred. Address stating full particulars, X, care American Florist.

Situation Wanted—In first-class commercial place by honest, sober and industrious young man, age 19, single, 15 years' experience in growing of ferns, palms, flowering and bedding plants, also roses and carnations. Good wages wanted. Best of references from England, Germany and this country. Address **IL. HANSEN**, Box 85, Mt. Auburn, Mass.

Help Wanted—A foreman who understands handling help. Must be all-around florist and married. State wages. Address **C. H. FREY**, 1133 O St., Lincoln, Neb.

Help Wanted—A good man who understands growing of roses, carnations, mums and general stock. State wages per month. Address with reference, **N. BOMMERSBACH**, Decatur, Ill.

Help Wanted—Young man as assistant florist. Must have some experience and take care of horse. Wages \$25 per month, board and room. Address **Jos. F. KLIMMER**, Desplaines Ave. and Harrison St., Oak Park, Ill.

Help Wanted—First-class working foreman gardener on private place in Kentucky. Must thoroughly understand care of lawns, shrubbery, and the raising of fruits, flowers and vegetables. Address, giving experience and stating wages expected. **F W A**, care American Florist.

Help Wanted—A competent plantsman for landscape work. Must have a general knowledge of nursery work, outdoor rose culture, be a good propagator, and be able to execute and maintain large plantings of native and ornamental stock. Give full particulars as to past experience, references and salary expected. Address **COMPETENT**, care American Florist.

For Rent—Old established greenhouses with good house, barn, all utensils, tools, etc. For particulars address **C E**, care American Florist.

For Sale—At a bargain, 4 greenhouses 20x100 feet, barn, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health. **J D**, care American Florist.

For Sale—Greenhouses; good location for local and shipping business in Michigan. Well stocked. Reason for selling, on account of failing health. **H B**, care American Florist.

For Sale—Over 12,000 feet of glass all heated by steam, in first-class condition. Will sell at reasonable price. Terms to suit. Address **GLASS**, care American Florist.

For Sale—At a bargain. A nice home located 5 blocks from postoffice; greenhouses well stocked with up-to-date retail stock; business established for 2 1/2 years; good mail and express business. **C. H. BAGLEY**, Abilene, Kan.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. **JAS. RICHARDSON**, London, O.

For Sale or Lease—Five greenhouse establishment of 10,000 feet of glass, in good condition and well stocked, with or without dwelling. Fine opening for a single man. Stock reasonable. **X Y Z**, care American Florist.

For Sale or Lease—Between 30,000 to 40,000 feet glass; barn, dwelling house; hot water heating, constant water supply, two acres for cultivation in Bronx Borough, New York city. Address **J. RINOLZA**, 728 3d Ave., New York.

For Sale—Old established greenhouses, large lot, good house and barn, together with all the paraphernalia incidental to this line of business. Sickness compels an immediate sale of this plant. No reasonable offer refused. **CLARENCE E. SMITH**, 145 LaSalle St., Chicago.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 2 1/2 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address **SAMUEL J. BUNTING**, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—Three greenhouses situated in West Tenn. About 10,000 square feet glass, well stocked with roses, carnations, palms, ferns and bedding plants. Heated by two Florence hot water heaters. About one and one-quarter acres of ground, 300 feet cold frames which belong to the plant. Everything in first-class condition. No competition. A good bargain. A change of climate necessary for family cause of sale. Address **Mrs. M. Ivis Brown**, Union City, Tenn.

Wanted—A florist to buy part interest in a good paying florist's business and take full charge of greenhouses. For particulars address **J D**, Raymond St., Wheeling, W. Va.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address **BAUR FLORAL CO.**, Erie, Pa.

Wanted—An active young man with business ability and some capital, and experience in managing a large cut flower growing plant, wishes to correspond with a grower with view of buying interest in place and taking full charge. Only a clear, aggressive party in middle western states need reply. Address **CONFIDENTIAL**, care American Florist.

WANTED.

Position as foreman or manager in an up-to-date establishment; either wholesale, retail or mailings. Am up to all branches, catalogue making, building, heating and growing of fine stock. 2,000,000 plants grown the past season. Three years in last place. 40 years old and a hustler. Northern place preferred. Married temperate and strictly business. Best of reference as to ability and business qualities. Address **LONE STAR**, 611 No. Washington Ave., Dallas, Tex.

Manager,

First-class grower, designer and decorator, very best references, wants first-class place, with fair facilities. Address

M G D, care American Florist.

For Sale.

Range of 4,500 feet, erected in 1903, cypress throughout; modern ventilators, city water, hot water heat; well stocked for general retail trade. Only greenhouse in city of 10,000 and doing good business. Best reasons for selling. Address **NEBRASKA**, care American Florist.

FLORISTS' AMERICAN EXCHANGE

POINTER NO. 1.

In an Iowa town of 5000 inhabitants, thriving with three railroads to ship over, making trade with surrounding villages convenient and profitable. The coal used cost \$1.70 per ton on cars back of greenhouse which is heated by Hot Water.

1 Greenhouse	- - -	20x 76
2 Lots	- - -	100x160
Dwelling	- - -	14x 34
2 Office Buildings	- - -	14x 40
Barn	- - -	16x 20

A number of large Hot-Beds. All well stocked with plants. A good established business. Plenty of fruit for one family. Good well, also city water. Place situated so near center of city as not to require a separate store. **Price, \$2200.**

CORRESPONDENCE SOLICITED. In referring to our offers please give "Pointer Number." The information given above is furnished by owners over their own signatures. We will be please to produce such additional data as you may desire.

R U in need of Hot-Bed Sash or second-hand Glass for making more room next month?

If so, please send us a memorandum of what you would like to have. We may save you time and money.

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,
Care Citizens Trust Company. MILWAUKEE, WIS.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Feb. 18.

Roses, Beauty, long per doz.	3.00
" " med. " 1.50@ 2.00	
" " short " .50@ 1.00	
" Bride, Bridesmaids.....	6.00@ 8.00
" Meteor, Golden Gate.....	6.00@ 8.00
" Perle.....	2.00@ 4.00
Carnations.....	2.00@ 4.00
Smilax.....	15.00@18.00
Asparagus.....	35.00@50.00
Violets.....	.50@ .75
Valley.....	3.00@ 4.00
Romans.....	2.00@ 3.10
Freesias.....	2.00@ 3.00
Tulips.....	3.00

PITTSBURG Feb. 18.

Roses, Beauty, specials.....	40.00@60.00
" " extras.....	25.00@35.00
" " No. 1.....	10.00@20.00
" " ordinary.....	3.00@10.00
" Bride, Bridesmaid.....	4.00@15.00
" Meteor.....	6.00@15.00
" Liberties.....	12.00@25.00
Carnations.....	1.50@ 6.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.25
Asparagus, strings.....	30.00@50.00
Asparagus Sprenger.....	2.00@ 4.00
Sweet Peas.....	.50@ 1.00
Violets.....	.20@ 1.25
Lilies.....	12.10@20.00
Mignonette.....	3.00@ 5.00
Romans, Paper White.....	1.00@ 3.00
Tulips.....	2.00@ 4.00
Lilac.....	1.00@ 1.50
Pansies and Daisies.....	2.00@ 3.10
Daffodils.....	3.00@ 4.00
Freesias.....	1.50@ 3.00

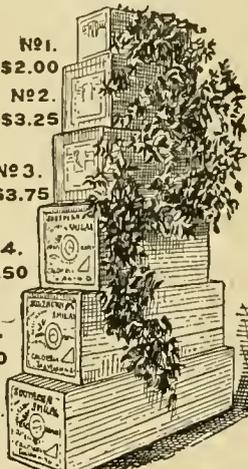
CINCINNATI, Feb. 18.

Roses, Beauty.....	2.00@ 6.00
" " Bride, Bridesmaid.....	4.00@10.00
" " Liberty.....	4.00@10.00
" " Meteor, Golden Gate.....	4.00@12.00
Carnations.....	3.00@ 6.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.50
Violets.....	.75@ 1.00
Narcissus.....	3.00@ 4.00
Romans.....	3.00@ 4.00
Harrisii.....	per doz., 2.00
Calla.....	12.50@15.00
Sweet peas, Blanche Ferry.....	1.00

St. Louis, Feb. 18.

Roses, Beauty, long stem.....	3.00@4.00
" " Beauty, medium stem... 1.50@2.00	
" " Beauty, short stem.....	.50@ .75
" " Bride, Bridesmaid.....	4.00@10.00
" " Golden Gate.....	3.00@ 8.00
Carnations.....	1.00@ 5.00
Smilax.....	12.50@15.00
Asparagus Sprenger.....	1.00@ 3.00
" " Plumosus.....	35.00@75.00
Ferns.....	per 1000, 2.00@2.50
Violets, single.....	.50@ 1.00
Narcissus Paper White.....	2.00@ 3.00
Valley.....	2.00@ 4.00
Romans.....	2.00@ 3.00

№1. \$2.00
№2. \$3.25
№3. \$3.75
№4. \$4.50
№5. \$5.00
№6. \$6.00



Caldwell's Quality Counts Brand
CONSTANTLY ON HAND.

J. B. DEAMUD,

WHOLESALE CUT FLOWERS

51 Wabash Ave., CHICAGO.

PRICE LIST. Per Doz

Beauties, 30 to 36 inch stem.....	\$4.00 to \$ 5.00
" " 20 to 24 inch stem.....	3.00
" " 15 to 18 inch stem.....	1.50 to 2.00
" " 12 inch stem.....	.75 to 1.00
Per 100	
Liberty and Chatenay.....	6.00 to 10.00
Brides and Bridesmaids.....	6.00 to 10.00
Meteor and Golden Gates.....	6.00 to 10.00
Carnations.....	2.00 to 4.00
" " fancy.....	3.00 to 5.00
Valley.....	2.00 to 4.00
Violets, double.....	.50 to 1.50
" " single.....	.50 to .75
Asparagus Plumosus.... per string, 25 to 50c	
Asparagus Sprenger Sprays.....	2.00 to 4.00
Ferns, fancy.....	83.00 per 1000
Smilax.....	12.50 to 15.00
Adiantum.....	1.00

ROSES, CARNATIONS, BEAUTIES, VALLEY.

Pittsburg Cut Flower Co., Ltd.

Wholesale Florists and Supplies.

504 Liberty St., PITTSBURG, PA.

Please mention the American Florist when writing.

— FANCY —

CARNATION BLOOMS

OUR SPECIALTY.

TELEGRAPH ORDERS FILLED PROMPTLY.

J. D. THOMPSON CARNATION CO.
JOLIET, ILL.

CUT FLOWERS OF ALL KINDS

and Florists' Supplies.
Galax, bronze or green. 75c per 1000. Leucolhoe Sprays. 50c per 100. Sphagnum Moss, Ferns.

Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, Commission Dealer,
130 E. 3d St., CINCINNATI, O.
Telephone, 980 Main.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Chas. W. McKellar,

Wholesale Commission Florist
— AND DEALER IN —
ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

Please mention the American Florist when writing.

Brant & Noe Floral Co.,

CROWERS OF
Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

H.G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,
AT CHICAGO MARKET RATES.

42-44 E. Randolph St., CHICAGO, ILL.

Longiflorum Lilies for Easter

Last year we had the best Lilies on this market and the stock this year, from the same growers, promises to be even better. To be sure to be supplied with first-class stock let us book your order now.

\$15.00 per 100. \$125.00 per 1000.
—500 at 1000 rate.—

All Cut Flowers in Season.

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

CURRENT PRICE LIST.

American Beauty.	Per doz.	\$5.00
Long stemmeu.....		4.00
30-inch stem.....		3.00
24-inch stem.....		2.50
20-inch stem.....		2.00
15-inch stem.....		1.50
12-inch stem.....		
Short stem.....	\$5.00 to \$8.00 per 100	
Per 100		
Brides and Maids.....	\$6.00 to \$10.00	
Meteors and Gates.....	6.00 to 10.00	
Liberty.....	6.00 to 15.00	
Carnations.....	2.00	
" large and fancy.....	3.00 to 6.00	
Violets.....	.75 to 1.00	
Valley.....	2.00 to 3.00	
Daffodils, Paper Whites.....	2.00 to 4.00	
Tulips.....	2.00 to 5.00	
Callas, per doz.....	\$1.50 to \$2.00	
Harrisil.....	per doz, \$2.00	
Asparagus, per string, 25c to 50c		
Asparagus Sprengerii.....	3.00 to 6.00	
Ferns.....	per 10 0, \$4.50	.35
Galax.....	per 1000, 1.00	.15
Adiantum.....		1.00
Smilax.....	per doz, \$2.00	15.00
Leucothoe Sprays.....		.75

SUBJECT TO CHANGE WITHOUT NOTICE.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

WEILAND-AND-RISCH

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.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**
55-57 WABASH AVENUE,
CHICAGO.
Telephone Central 3284.
Please mention the American Florist when writing.

A. L. RANDALL CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and Shipper of **CUT FLOWERS**
80 WABASH AVE., CHICAGO.
Telephone 3067 Central.

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.
Please mention the American Florist when writing

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations WHOLESALE GROWER of **CUT FLOWERS**
A Specialty.....

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager. Wholesale and Commission **FLORISTS**
Consignments Solicited.

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Feb. 19

Roses, Beauty, 30 to 36-in. stems	3.00@ 5.00
" " 20 to 24	2.50
" " 15 to 18	1.50@ 2.00
" " 12	1.00@ 1.25
" Liberty.....	6.00@ 8.00
" " extra select.....	10.00@ 15.00
" Chatenay.....	6.00@ 12.00
" Bride, Bridesmaid.....	6.00@ 10.00
" Meteor, Golden Gate.....	6.00@ 10.00
Carnations.....	2.00@ 3.00
" fancy.....	3.00@ 5.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" " sprays 2.00@ 4.00	
" Sprengerii.....	3.00@ 6.00
Violets, double.....	.75@ 1.50
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1 1/2	.15
" Green, " " 1.00	1.00
Adiantum.....	1.00
Fancy ferns... per 1000 2.50@ 3 50	
Smilax.....	12.50@ 15.00
Callas.....	1.50@ 2.00 per doz.
Harrisil.....	2.00@ 2.50

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telegraph and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention. 35-37
GREENHOUSES: Randolph Street
Morton Grove, Ill. CHICAGO, ILL.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

American Florist Advertisements
Work Every Day.

Leo Niessen

**Gardenias,
Freesias,
Pansies.**

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open
from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

THOMAS YOUNG, Jr.

WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing

GEORGE SALTFORD,

WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK.

TEL. 3393 MADISON SQUARE.

Specialties: FOLIAGE AND CARNATIONS.

Consignments of any good flowers solicited.

Please mention the American Florist when writing

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, Feb. 17.

Roses, Beauty, extra.....	30.00@50.00
" " medium.....	10.00@20.00
" " culls.....	3.00@6.00
" Bride, Bridesmaid.....	4.00@6.00
" extra.....	8.00@12.00
" Liberty.....	4.00@10.00
Carnations.....	1.00@2.10
" Fancy.....	3.00@4.00
Violets.....	.30@.50
Lily of the valley.....	2.00@3.00
Harrisii lilies.....	6.00@8.00
Smilax.....	10.00@15.00
Adiantum.....	.75@1.00
Asparagus.....	35.00@51.00
Roman Hyacinths, P. W. narcissus.....	1.00@2.00
Daffodils.....	1.00@3.00
Tulips.....	2.00@3.00

PHILADELPHIA, Feb. 17.

Roses, Tea.....	4.00@8.00
" " extra.....	12.00@15.00
" Beauty, extra.....	35.00@50.00
" " firsts.....	16.00@5.00
" Queen of Edgely, extra.....	35.00@50.00
" " firsts.....	16.00@25.00
Carnations.....	2.00@8.00
Violets, single.....	40@50
" double.....	.50@1.10
Lily of the valley.....	3.00@5.00
Daffodils.....	3.00@4.00
Tulip.....	3.00@4.00
Freesia.....	3.00@6.00
Lilac.....	.50@2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00

BUFFALO, Feb. 18

Roses, Beauty.....	5.00@50.00
" Bride, Bridesmaid, Meteor.....	4.00@12.00
Carnations.....	2.00@6.00
Harrisii.....	15.00
Lily of the valley.....	3.00@5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.50@1.00
Violets.....	.30@1.10
Callas.....	8.00@12.50
Sweet Peas.....	.50@1.10

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

SOUTHERN SMILAX.

No. 1 quality only \$5.50 per case of 50 lbs. Be
sure and try it when you want Smilax. GALAX,
bronze or green, 75¢ per 100. Discount on large
orders. LAUREL FESTOONING, No. 1 quality,
4c. 5c and 6c per yard. Always on hand and large
orders filled at short notice. FANCY or DAGGER
FERNS, \$1.50 per 1000.



Long distance telephone connection.

SMILAX and BEAUTIES CHEAP.

500 Beauties, 3 1/4-inch pots, well branched,
\$6.00 per 100.
2,000 Smilax 3 1/4-inch, stocky plants, \$2.00 per
100. Cash with order.

Quality of plants guaranteed.

**ROSEMONT GARDENS, MONTGOMERY,
ALA.**

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at
Market Prices.

Shippers of choice Cut Flowers and Greens of all
kinds. Try us.

Laurel Roping

OLIVER L. TRONNEM, Vineland, N. J.



N. Lecakes & Co.

53 W. 28th St., and 45 W. 29th St.

Also at

26th St. and 34th St. Markets
New York.

**FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES**

GREEN AND BRONZE GALAX LEAVES,

75¢ per 1000; \$6.00 and \$6.50 per case of 10 000.

Holly, Princess Pine and all kinds of Evergreens.

Telephone 1214 Madison Square.

Please mention the American Florist when writing.

Flowers of All Kinds.

**Write Us For
Prices.**

OPEN FROM 7:00 A. M. TO 9:00 P. M.

THE PHILADELPHIA WHOLESALE FLOWER MARKET, 1224 Cherry Street, PHILADELPHIA, PA.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.
55 and 57 West 28th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. Wholesale WILLIAM GHORMLEY, Commission VIOLETS

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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,
Telephone 1905 Madison Square.

OUR 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,
West 29th St., New York,
Telephone 651 Madison Square.

Frank Millang

Open from 6 a. m. to 5. p. m.

Cut Flower Exchange, 55-57 W. 26th St.
Phone 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 856 Madison Sq.
115 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St., New York.
Cut Flower Exchange.

OPEN 6:00 A. M.

An Unequaled 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.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Feb. 17.

Roses, Beauty, best.....	25.00@50.00
" " medium.....	8.00@15.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid, G. Gate	3.00@15.00
" Liberty.....	3.00@35.00
Carnations.....	1.00@ 3.00
" fancy and novelties.....	1.00@ 6.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	6.00@10.00
Violets.....	.25@ .40
" special.....	.50@ .75
Smilax.....	6.00@12.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Cattleya Percivaliaoa.....	40.00@50.00
Dendrobium formosum.....	30.00@40.00
Mignonette.....	1.00@ 4.00
Roman Hyacinths.....	.50@ 2.00
Tulips.....	1.00@ 3.00
Narcissus.....	1.00@ 2.00
Gardenias.....	25.00@50.00
Freesia.....	.10@ .15 per bun.

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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. 28th Street, NEW YORK CITY
Telephone 1738 Madison Square.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,
WHOLESALE FLORISTS.

Daily Reports. Weekly Payments
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER

CARNATIONS My Speciality.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St.
New York.
Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL.

WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER

GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co., FLORISTS,

27 1/2 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber, FLORIST,

432 1/2 4328 Olive St., ST. LOUIS, MO.
Established 1873. Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The table herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Campania	1	Sat. Feb. 27, Noon.	Mar. 5
New York.....	"	Etruria	1	Sat. Mar. 5, 8:00 a. m.	Mar. 11
Boston.....	"	Saxonia	1	Tues. Mar. 1, 9:00 a. m.	Mar. 2
New York.....	Glasgow	Siberian	2	Thur. Mar. 3, 11:00 a. m.	Mar. 13
New York.....	Genoa	Prinz Oskar	3	Thur. Feb. 25, 10:00 a. m.	Mar. 11
New York.....	Hamburg	Patricia	3	Sat. Feb. 27, 1:30 p. m.	Mar. 8
New York.....	"	Moltke	3	Thur. Mar. 3, 10:00 a. m.	Mar. 13
New York.....	Copenhagen	Island	4	Sat. Feb. 27, 2:00 p. m.	
New York.....	"	United States	4	Wed. Mar. 2, 2:00 p. m.	
New York.....	Glasgow	Furnessia	5	Sat. Feb. 27, Noon.	Mar. 8
New York.....	London	Meoornice	6	Sat. Feb. 27, 9:00 a. m.	Mar. 8
New York.....	"	Minneapolis	6	Sat. Mar. 5, 8:00 a. m.	Mar. 15
Boston.....	Liverpool	Cret c	7	Thur. Mar. 3, 10:30 a. m.	Mar. 10
Boston.....	Alexandria	Romanic	7	Sat. Feb. 27, 6:00 a. m.	Mar. 18
New York.....	Liverpool	Cedric	7	Wed. Feb. 24, 11:00 a. m.	Mar. 2
New York.....	"	Majestic	7	Wed. Mar. 2, 10:00 a. m.	Mar. 9
New York.....	Southampton	Philadelphia	8	Sat. Feb. 27, 9:30 a. m.	Mar. 4
New York.....	"	St. Louis	8	Sat. Mar. 5, 9:30 a. m.	Mar. 12
New York.....	Antwerp	Zeeland	9	Sat. Feb. 27, 10:30 a. m.	Mar. 7
New York.....	"	Finland	9	Sat. Mar. 5, 10:30 a. m.	Mar. 14
New York.....	Havre	La Touraine	10	Thur. Feb. 25, 10:00 a. m.	Mar. 6
New York.....	"	La Champagne	10	Thur. Mar. 3, 10:00 a. m.	Mar. 13
New York.....	Rotterdam	Staatendam	11	Tues. Feb. 23,	Mar. 4
New York.....	Genoa	Sardigna	12	Tues. Feb. 23,	Mar. 8
New York.....	"	Citta di Milano	12	Tues. Mar. 1,	Mar. 15
New York.....	Bremen	Kronprinz Wilhelm	13	Tues. Feb. 23, 10:00 a. m.	Mar. 1
New York.....	"	Koenig Louise	13	Thur. Feb. 25, 10:00 a. m.	Mar. 6
New York.....	"	K. Wil. Der Grosse	13	Sat. Mar. 5, 10:00 a. m.	Mar. 12
New York.....	Genoa	Prinzess Irene	13	Sat. Feb. 27, 11:00 a. m.	Mar. 11
New York.....	Naples	Neckar	13	Sat. Mar. 5, 11:00 a. m.	Mar. 18
Boston.....	Liverpool	Winifredian	14	Wed. Feb. 24, 3:30 p. m.	Mar. 5
Boston.....	"	Bohemian	*14	Wed. Mar. 2, 10:30 a. m.	Mar. 12

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER,

DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND, Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool	New York	Lucania	1	Sat. Feb. 27	Feb. 26
Liverpool	"	Umbria	1	Sat. Mar. 5	Mar. 11
Glasgow	"	Corinthian	2	Sat. Feb. 27	Mar. 8
Genoa	"	Prinz Adalbert	3	Sat. Feb. 27	Mar. 13
Hamburg	"	Graf Waldersee	3	Sat. Feb. 27	Mar. 8
Hamburg	"	Bluecher	3	Sat. Mar. 5	Mar. 15
Copenhagen	"	Helig Olav	4	Wed. Feb. 24	
Copenhagen	"	Norge	4	Wed. Mar. 2	
London	"	Marquette	6	Thur. Feb. 25	Mar. 6
London	"	Mesaba	6	Thur. Mar. 3	Mar. 13
Liverpool	Boston	Cymric	7	Thur. Mar. 3, 4:30 p. m.	Mar. 10
Alexandria	"	Republic	7	Thur. Mar. 3, 3:00 p. m.	Mar. 21
Liverpool	New York	Oceanic	7	Wed. Feb. 24, 3:30 p. m.	Mar. 2
Liverpool	"	Celtic	7	Wed. Mar. 2, 3:30 p. m.	Mar. 9
Southampton	"	New York	8	Sat. Feb. 27, Noon.	Mar. 5
Southampton	"	St. Paul	8	Sat. Mar. 5, Noon.	Mar. 11
Antwerp	"	Vaderland	9	Sat. Feb. 27, 10:00 a. m.	Mar. 7
Antwerp	"	Kroonlaad	9	Sat. Mar. 5, 3:00 p. m.	Mar. 14
Havre	"	La Lorraine	10	Sat. Feb. 27	Mar. 8
Havre	"	La Bretagne	10	Sat. Mar. 5	Mar. 15
Rotterdam	"	Noordam	11	Sat. Mar. 5	Mar. 15
Genoa	"	Lombardia	12	Mon. Feb. 22	Mar. 8
Genoa	"	Nord America	12	Mon. Feb. 29	Mar. 15
Bremen	"	K. Wil. Der Grosse	13	Tues. Feb. 23	Mar. 1
Bremen	"	Kaiser Wilh. II	13	Tues. Mar. 1	Mar. 8
Genoa	"	Konig Albert	13	Thur. Feb. 25	Mar. 9
Genoa	"	Hohenzollern	13	Thur. Mar. 3	Mar. 16
Liverpool	Boston	Cestrian	14	Sat. Feb. 27	Mar. 8
Liverpool	"	Devonian	14	Sat. Mar. 5	Mar. 15

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

	Per Doz.	Per 100
AM. BEAUTIES, long stems,	\$5.00	
" " 30-in. "	4.00	
" " 20-24 "	\$2.50 to 3.00	
" " 15-18 "	1.50 to 2.00	
" " Short stems.....	1.00 to 1.25	
SUNRISE.....	\$4.00 to \$10.00	
CHATELAIN.....	6.00 to 12.00	
BRIDE.....	5.00 to 8.00	
BRIDESMAID.....	5.00 to 8.00	
PERLE.....	5.00 to 8.00	
CARNATIONS.....	3.00 to 4.00	
ROSES, OUR SELECTION.....	4.00	

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

Please mention the American Florist when writing.

Daffodil and Jonquil

blossoms, per 100, \$1.00 per 1000, \$8.00.
WILD SMILAX, per 50 pound case, \$2.00.
F. & S. LEE, MARION, ALA.

GALAX LEAVES, ETC., Fresh New Crop.

Galax Leaves, Green and Bronze, per 1000.	\$.60
Cut Fancy and Dagger Ferns, per 1000.	1.00
Leucothoe Sprays, Green, per 1000.....	3.00
" " Red, per 1000.....	6.00
Rhododendron Sprays, per 1000.....	5.00

Largest dealer in the U. S. Orders filled promptly. Send cash with order. Seed 50c for a nice can, cut from the famous mountains of N. C. Nicely varnished, crooked or straight. Mention length desired and variety of wood—hickory, rhododendron, wahoo, poplar, striped maple, etc. Grand souvenir, besides useful. Try one or more.

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

GALAX...

Bronze or green, 75c per 1000, in 2,000 ots or 1 more. Leucothoe Sprays, green, 90c per 100. Southern Smilax, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. Green Shoot Moss, choice stock, \$2.50 per barrel sack. Sphagnum Moss, \$1.75 per large bale.

FLORIST' SUPPLIES of Every DESCRIPTION.

Tel. 597 Madison Square, L. J. KRESHOVER, 110-112 W. 27th St., New York.

It is good business policy
.....to mention the

American Florist

When you write to an advertiser.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Supplies, Dagger and Fancy Ferns, \$1.50 per 1000, A No. 1 quality. Bronze and Green Galax, \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Pestooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 5c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis 'Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

E. F. Winterson Co.

—Successors to—
McKellar & Winterson.
ESTABLISHED 1894.

We are handling the cut of Rudd's "PHYLLIS," the grand new pink—and new Seedling White (unnamed, but a "crackerjack") carnations. These arrive daily—get a sample shipment, but give us a day or two notice, as we sell them out as a rule in advance of arrival. Price, Phyllis, 6c; White Seedling, 4c.

FANCY EASTERN VIOLETS. The best that come into this market, \$1.00 per hundred.

EXTRA FINE HARRISII BLOOMS, 12c to 15c.

FANCY FREESIAS, 3c to 4c.

A daily supply from 34 GROWERS enables us to take care of shipping orders to the buyers' advantage.

Get our Weekly Price List. It is free and worth your while.

HEADQUARTERS FOR
Galax Leaves and all Greens.

"SUPERIOR QUALITY"

WILD SMILAX

—(NONE BETTER.)—

ALWAYS ON HAND.

We carry the most complete line of Florists' Supplies in the West. Catalogue free. Address all correspondence to

45-47-49 Wabash Ave.,
CHICAGO.

Orchids!

Just arrived in superb condition, a large shipment of DENDROBIUM NOBILE, most useful for florists; also Dend. Chrysanthum and others. To arrive, Cattleya Trianae and C. Gigas.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

THE CLEVELAND CUT FLOWER COMPANY

—SUCCESSORS TO—

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission

—WRITE FOR OUR WEEKLY PRICE LIST.—

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Charles McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-24, 1904.

S. D. WOODRUFF & SONS, of Orange, Conn., now have a branch at 82-84 Dey street, New York.

THE St. Paul News devotes half a column or less to a lost carload of seeds belonging to D. L. May & Co.

CLEARBROOK, WASH.—One grower of bulbs here has matured 100,000 seeds of hyacinths, tulips and narcissi. The winter has been wet and warm.

It is reported that the Jones onion set loss by fire and water, approximately 6,000 bushels, has been settled by an allowance of something like 2,200.

JOHN DEGNAN, with the E. F. Winter-son Company, Chicago, takes exception to the advertisement of seedsmen who offer fifteen per cent discount to private gardeners. It is, in his opinion, in line with fake patent medicine advertisement and should not be printed.

At the Columbus convention of canners the members of the Canned Goods Brokers' Association made their temporary organization permanent. J. M. Paver, of Baltimore, Md., and D. H. Dutton are respectively president and secretary. The Atlantic States Packers' Association elected Willard G. Rouse, president, and H. P. Cannon, of Bridgeville, Del., secretary.

Union Set Supply and Market.

It is reported that Chicago and vicinity now holds the main supply of onion sets not sold on contract. Prices are about as stated in our last issue, or a trifle firmer. The Jones loss by fire and water was 5,000 or 6,000 bushels, on which salvage, if any, is doubtful.

Not Statesmen, but Seedsmen.

In the house of representatives February 5 Sheppard, of Texas, and Lind, of Minnesota, made a strong fight against the free seed bill. Sheppard said: "If the congressional comedy continues, congressmen will no longer be statesmen, but seedsmen."

Shafroth, of Colorado (of whom we shall later supply further information), supported the bill. Sheppard's amendment, proposing to distribute only rare and untried seeds, was lost. We shall give the names of those voting to continue the distribution in a later issue.

Import Values of Seeds and Bulbs.

The difficulties attending the fixing of values at time of shipment have been partly met by the assistance of appraisers themselves. This is now prohibited by the letter below. This leaves the importer, no matter how honest he may be, entirely in the hands of the custom house authorities, and he is expected to pay duties on values at date of shipment even though he may have bought twenty-five per cent less by contract. The careful business man is thus fined for the improvidence of his careless competitor.

The trouble here is two-fold. First, the law is old and out of date and not in accord with the present contract methods of seed and bulb buying, and secondly

the law is not justly administered, being interpreted by the letter instead of the spirit. Many of the items mentioned are not grown and cannot be grown in America and should not be dutiable anyway. The government itself imports similar seeds and bulbs free of duty and gives them away. All in all, matters could hardly be worse.

TREASURY DEPARTMENT, February 9, 1904.
SIR:—Referring to the department's letter, addressed to you under date of July 13, 1901, wherein, owing to the alleged inability of importers of nursery stock, such as seeds and bulbs, to inform themselves as to the foreign market value at time of shipment and to the perishable nature of the goods and other exceptional circumstances attending such importations, you were authorized to supply importers with data relating to the different foreign market values of such merchandise, without, however, making any suggestions as to the value to be declared on entry, I will state that the department is in receipt of information to the effect that there seems to be no good reason why importers should not be as familiar with the foreign market value of seeds, plants and bulbs as importers are with the value of other goods.

It appears that frequently where merchandise of the character in question is raised under contract the contract price is accepted as the foreign market value; that in a year when there is an abundant crop the contract price may represent the true foreign market value, but that should there be a partial failure in the crop the contract price may not represent such value.

In this connection, it further appears that it has been the practice at one or more ports to average invoice values in order to arrive at the foreign market value of goods of the above description, which practice is disapproved.

In view of the foregoing, it is hereby directed that the practice aforesaid be discontinued.

ROBERT B. ARMSTRONG,
Assistant Secretary.

LOS ANGELES, CAL.—The Ocean Park Floral Company, E. J. Vawter, president, has sold its retail store at 224 W. Fourth street to T. H. Wright, who has been manager of the store from its installation. Mr. Wright will continue business at the same place under his own name.

LANCASTER, PA.—A house of geranium cuttings in Albert M. Herr's range was frozen this week. The steam pipes were all in working order and in use, but the wind formed a rebound and it was impossible to heat the house. Nothing else on the place was hurt. A. M. H.

LILY OF THE VALLEY.
FINEST BERLIN PIPS, for Early Forcing.
\$12.00 per 1000; \$30.00 per case 2500;
\$1.50 per 100.
These are strong pips, well rooted and give best satisfaction.
FINEST CUT VALLEY ALWAYS ON HAND.
H. N. BRUNS,
VALLEY SPECIALIST,
1409-1411 W. Madison St., CHICAGO.

NOTICE—PLEASE.

Our Mr. Harry van Koolbergen will have the pleasure to call on the trade during the months March, April and May, trusting you will favor him with your orders like last year. Our 1904 catalogue will interest you, which we send to anybody free on application.

DE GRAAFF BROS. Ltd., Bulb Growers and Merchants. Special growers of Tulips, Daffodils, Hyacinths and all kinds of miscellaneous bulbs and plants. Leiden, Holland.

Chater's Hollyhock Seeds.

In six superb double colors, 75c per oz.; 40c per 1/2-oz. Allegheny Hollyhocks, \$1.00 per oz.; 60c per 1/2-oz. Fintolia Double Hollyhocks, New, \$1.00 per oz. Single Hollyhocks, 10 distinct colors, 60c per 1/2-oz. New Hydrangea, Jeane d'Arc, white flowered and red brached, 4-in. pots, 40c each; \$3.00 per doz.; fine for florists. Cash please.

JOHN CHARLTON & SONS, Rochester, N. Y.

MIXED GLADIOLUS

About one half choice Groff's Hybrids, others select from best of different strains. Large range of colors and markings. Per 10 Per 1000
Light and white \$1.25 \$10.00
Medium and dark..... 1.00 8.00
All colors..... .80 6.00
10,000..... 5.00

F. A. ROWE, Conneaut, O.

GLADIOLI.

Having more small gladioli than I wish to plant, I offer about 500,000 at following prices:

Per 1000
Groff's hybrids, 5/8 to 3/4-in. diam..... \$2.50
Groff's hybrids, 3/4 to 1/2-in. diam..... 1.50
Groff's hybrids, 1/2 to 3/8-in. diam..... 1.00

May and Lemoine's hybrids, same size as Groff's, at \$2.00, \$1.25 and 75c per 1000. Gladioli, in fine mixture, all classes, 5/8-3/8-in., \$1.50; 3/4-1/2-in., \$1.00; 1/2-3/8-in., 50c per 1000. The smallest of these will generally flower the first year, under favorable conditions. Bulblets of Gladioli, per bushel at low rates.

Ismene calathina, small bulbs, \$3.00, \$1.00 and 50c per 100, according to size.

E. Y. Teas, Centreville, Ind.

ASPARAGUS PLUMOSUS NANUS
VAUGHAN'S SEED STORE
CHICAGO NEW YORK

WE INVITE COMPARISON OF OUR SEED WITH OTHERS. SAMPLES SUPPLIED.

IMPORTANT TO PRIVATE GARDENERS
The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season
A Special Discount of 15%
ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES
Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.
ROBERT BUIST COMPANY, SEED GROWERS, PHILADELPHIA, PA.

DREER'S Summer Flowering Bulbs.



TUBEROUS ROOTED BEGONIAS.

Single Flowered, Scarlet, Crimson, White, Yellow, Rose and Orange, 40 cents per dozen; \$3.00 per 100; \$25.00 per 1000.
Choicest Single Flowered in Mixture, 35 cents per dozen; \$2.50 per 100; \$22.00 per 1000.
Double Flowering, Scarlet, Rose, White and Yellow, 65 cents per dozen; \$5.00 per 100; \$40.00 per 1000.
Choicest Double Flowering in Mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

Two Great Tuberous Rooted Bedding Begonias

DUKE ZEPPELIN and LAFAYETTE

See colored illustration of these two varieties on cover of our new 1904 Catalogue; they are the most brilliant among all the Begonias and invaluable either as pot plants or for bedding.

Duke Zeppelin, Pure Rich Scarlet, 15 cents each; \$1.50 per dozen; \$12.00 per 100.
Lafayette, Brilliant Crimson Scarlet, 25 cents each; \$2.50 per dozen; \$18.00 per 100.

NEW HYBRID FRILLED TUBEROUS BEGONIAS

A unique form with flowers of immense size, with wavy or frilled petals similar to the best forms of single petunias, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

GLOXINIA GRASSIFOLIA GRANDIFLORA

A very fine selected strain, strong, well-matured bulbs. Red, White, Blue, Red with white border, Blue with white border, in separate colors or in choicest mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

MISCELLANEOUS BULBS

	Per Doz.	Per 100	Per 1000
Amaryllis Formosissima.....	\$.30	\$ 2.00	\$15.00
Johnsonii	2.00	15.00	
Amorphophallus Ricivierii.....	2.00	15.00	
Caladium, Fancy Leaved, 25 named sorts.....	1.25	10.00	
Choicest Mixture.....	1.00	8.00	
Esculentum, 6 to 8-inch bulbs.....	.40	3.00	
Esculentum, 8 to 10-inch bulbs.....	.65	5.00	
Esculentum, 10 to 12-inch bulbs.....	.90	7.00	
Esculentum, 12 to 13-inch bulbs.....	1.25	10.00	
Hyacintus Caudicans.....	.30	2.00	
Ismine Calathina.....	1.50	10.00	
Lilium Auratum, 8 to 9-inch.....	.75	5.00	
" 9 to 11-inch.....	1.00	8.00	
" 11 to 13-inch.....	1.75	14.00	
Lilium Speciosum Album and Rubrum, 7 to 9-inch... ..	.90	7.00	
Glacius, American Hybrids, choicest mixture.....	.15	1.00	9.00
Groff's Hybrids, choicest mixture.....	.35	2.50	22.00
Madeira Vines.....	.30	2.00	15.00
Montbretias, 5 choice named varieties.....	.25	1.75	12.50
Tigridia Conchiflora, Grandiflora Alba aud Pavonia... ..	.30	2.00	15.00
Tuberoses, Double Pearl, selected, 6 to 8-inch.....	.20	1.00	8.00
Double Pearl, fine, 3 to 4-inch.....	.10	.60	5.00

For a complete list of all seasonable Bulbs including the best list of up-to-date Dahlias, see current Wholesale Price List.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.



NEW LARGE-FLOWERING CALLA CALLA DEVONIENSIS.

Blooming Callas From Seed in One Year
 100 seeds, 75c; 1000 seeds, \$6.00.

Pentstemon, Vaughan's NEW LARGE FLOWERING.

This is a much improved strain of these beautiful flowers. The flowers are large, very numerous, in shape like a Gloxinia and are borne on long stems. In color they vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged with a fine contrasting color. If this seed is sown in January, February or March, in a fairly warm place, the plants will bloom in Summer and Fall—Splendid cut flowers also suitable for pot culture. Height, 2 feet. 1-4 oz., \$1.00; pkt., 50c.

Vaughan's Seed Store,

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

Please mention the American Florist when writing.

Cannas,

Strong Root Pieces, averaging 2 to 3 eyes.

ALPHONSE BOUVIER.

ALSACE.
 AUSTRIA.
 BLACK BEAUTY, \$7.00 per 100.
 BASSETT'S RED, \$3.00 per 100.
 CHARLES HENDERSON.
 CRIMSON BEDDER.
 DUKE OF MARLBOROUGH.
 EGANDALE, \$3.00 per 100.
 FLORENCE VAUGHAN.

MME. CROZY.

MRS. KATE GRAY, \$5.00 per 100.
 PRES. CARNOT.
 PRES. CLEVELAND.
 PROGRESSION.
 QUEEN CHARLOTTE.
 ROBERT CHRISTIE.
 SAM TRELEASE, \$4.00 per 100.
 SOUV. DE ANTOINE CROZY.

UNLESS NOTED \$2.00 per 100; \$18.00 per 1000. WRITE FOR PRICES ON LARGE LOTS.

The Storrs & Harrison Co., Painesville, Ohio.

Please mention the American Florist when writing.

... CANNAS ...

F. Vaughan, J. C. Vaughan, Egandale, Chas. Henderson, A. Bouvier, Burbank, Souv. de Antoine Crozy in variety, \$1.50 per 100; \$12.00 per 1000.
ALTERNANTHERA, the new **Brilliantissima**, finest of all, \$1.00 per dozen; \$6.00 per 100.
BOSTON FERNS, 2 1/2-inch, ready for 4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; **PIERSON FERN**, 2 1/2-inch, ready for 4-inch, \$10.00 per 100; 5-inch, fine, 5c. **ASP. PLUMOSUS**, 2 1/2-inch, extra fine, \$3.50 per 100. **ASP. SPRENCERI**, 2 1/2-inch, \$2.00 per 100. **CARNATIONS**, Queen Louise, R. C. \$1.25 per 100; \$10.00 per 1000. **COLEUS**, 15 varieties, 2-inch, \$2.00 per 100.

CASH PLEASE.

A. J. BALDWIN, Newark, Ohio.

Please mention the American Florist when writing.

Cannas...

Chas. Henderson, Chicago, Papa, McKinley, Alphonse Bouvier, Florence Vaughan, Egandale, C. D. Cabos. Strong healthy tubers, 2-3 eyes true to name, \$1.75 per 100; \$15.00 per 1000.

PAUL MADER, E. Stroudsburg, Pa.

Cannas...

A collections of best varieties, dry roots at \$12.50 per 1000; 10,000 for \$100.00. Names of varieties on application.

C. G. NANZ, Owensboro, Ky.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

THE AMERICAN FLORIST.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
N. W. HALE, Knoxville, Tenn., Pres.; FRANK A. WEBER, St. Louis, Mo., Vice-Pres.; GEORGE C. STAGGER, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

OWATONNA, MINN.—L. P. Lord & Company have sold out to T. E. Cashman who will continue their business in connection with his nursery trade. O.

MENOMINEE, MICH.—E. L. Parmenter intends to engage in the nursery business extensively next spring. He has a farm on the county road just outside the city limits.

AMERICUS, GA.—P. D. Hill & Son are planting lemon hedges in this vicinity and it is expected that they will make a good screen and produce fruit at the same time.

WICHITA, KAN.—Owing to the increasing demand the Wichita Nursery has recently purchased eighteen acres on Arkansas avenue, and will plant it in nursery stock.

RIVERSIDE, CAL.—The Riverside County supervisors have passed a law giving the County Board of Horticultural commissioners power to destroy all nursery stock imported from any place, where peach yellows, peach rosette, phyloxera, red spider or white fly prevail.

GUTHRIE, OK.—The Oklahoma Horticultural society elected the following officers for the ensuing year: President, J. A. Taylor, Wynnewood, I. T.; vice president, R. Kleiner, Wheatland, Okla.; secretary, J. B. Thoburn; assistant secretary, J. Carl Gilbert, Stillwater, Okla.; treasurer, N. B. Willis, Eason, Okla. The society adopted a resolution asking that the next legislature enact a law to eradicate diseases in orchards, that officers of institutes in the different counties be empowered to enter orchards for this purpose, the expense to become a lien on the property. The society will be reincorporated as the State Horticultural Society of Oklahoma.

New Bedford, Mass.

February 11 the Florists' Club met at the Mansion House hotel. One new member was admitted. There was an interesting discussion on the newer varieties of carnations. At the close of the meeting the club was treated to a nice supper given by the retail florists.

We are again in the grip of an Arctic wave. So much cold and cloudy weather is beginning to shorten up greenhouse crops. There is considerable funeral work, but transient trade is poor. Bulbous stock and violets go slow at low prices.

On February 9 the New Bedford Horticultural Society held its regular meeting with a large attendance. Two new members were admitted. H. F. Burt, of Taunton, gave a talk on the origin and development of the dahlia.

W. G. Kroeber has returned to New Bedford and is at work for Wm. P. Pierce.

H. A. John has moved his store to a better location.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

NOW IS THE TIME TO ORDER

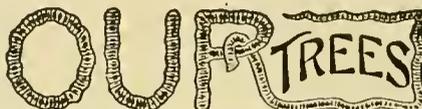
Exochorda 'Gril', 18 to 24-inch, bushy.....	Per 100 \$ 8.00	Oranges, 15 to 18-inch, 5-inch pots.....	Per 100 30.00
Lonicera, 1/2 Belgica and Heckrotti, 3 to 4 feet, bushy.....	8.00	Lemons, grafted, 18 to 24-inch, 5-inch pots.....	30.00
Ampelopsis Japonica, 2 1/4-inch pots.....	4.00	Kenia Belmoreana, 12 to 15-inch, 5 leaves.....	18.00
Cedrus Deodara, 15 to 18-inch.....	25.00	Latania, 15-inch, 3 to 4 ch. leaves.....	20.00
Cedrus Deodara, 20 to 24-inch.....	30.00	Phoenix Canariensis, 15 to 18-inch, 2 to 3 leaves, showing character.....	15.00
Oranges, best sorts, grafted, hearing size 12-inch, bushy, 4-inch pots.....	20 00	Not less than 50 of a kind at above prices.	
Ligustrum Amurense, true, 2 to 3-feet branched.....	per 1000, \$30.00		

Write for Wholesale and Descriptive Catalogue.

P. J. BERCKMANS CO., (Inc.)
FRUITLAND NURSERIES.
AUGUSTA, GA.

Established 1856.

Please mention the American Florist when writing.



Ficus, Ferns, Roses, etc. Correspondence solicited.
THE STORRS & HARRISON CO.,

etc., have been the standard of excellence for half a century. The best always cheapest. Have hundreds of carloads of

Fruits and Ornamentals.

40 acres of Hardy Roses including 45,000 of the famous Crimson Rambler. 44 greenhouses of Palms, Catalogue free. 60th year. 1000 acres.

Box 260, Painesville, Ohio.

Please mention the American Florist when writing.

SEND TO

Eastern Nurseries,
FOR VINCA MINOR

JAMAICA PLAIN, MASS.

FINE LARGE CLUMPS.

FOR SALE CHEAP.

August Rölker & Sons,

IMPORTERS OF

Palms, Bay Trees, Auracarias, etc. Decorative Plants for spring delivery; Lily of the Valley, Lilacs, Forcing Bulbs, etc. for fall delivery; Raffia for Nurserymen and Florists. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

J. DIJKHUIS & CO.

BOSKOOP-HOLLAND.

QUALITY. QUANTITY.

Ask our prices for

AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.

Price List Free on Application.

KOSTER & CO.

Hollandia Boskoop, Holland.

HARDY AZALEAS, BOX TREES, CLEMATIS, CONIFERS, HYDRANGEAS, PEONIES.

Pot-Grown Plants for Forcing

RHODODENDRONS, H. P. ROSES, Etc.

No Agents. Catalogue free on demand.

Please mention the American Florist when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

Please mention the American Florist when writing.



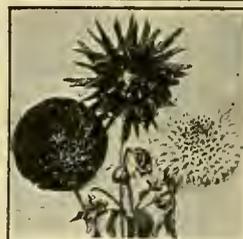
Send to THE MOON Company

For Trees, Shrubs, Vines

Your and Small Fruits.

Descriptive Illustrated Catalogue Free THE WM. H. MOON CO. Morrisville, Pa.

Please mention the American Florist when writing.



Dahlias

Mrs. Winters

The World's Best White Dahlia. \$18.00 per 100.

Ingeborg Egeland, the best scarlet cactus, \$5.00 per doz. Other novelties and standards. Also 20,000 double field-grown Hollyhocks in separate colors of red, white, pink, yellow and maroon, \$3.00 per 100. Gladioli and hardy plants. Send for catalogue before ordering.

W. W. WILMORE, The Dahlia Specialist, Box 382, DENVER, COLO.

CALIFORNIA PRIVET.

200,000 2 yrs., 2 to 2 1/4 ft., very bushy.....	Per 1000 \$30.00
150,000 2 yrs., 18 to 24 in., very bushy.....	16.00
100,000 2 yrs., 12 to 18 in., very bushy.....	10.00
200,000 1 yr., 12 to 18 in., branched.....	9.00
200,000 1 yr., 10 to 12 in., branched.....	7.00
100,100 Cuttings, 8 in., strong.....	.50
100,000 Cuttings, 8 in., light.....	.60

Also have a large stock in Asparagus Roots, 2 yrs., Paimetto and Barrs. 30,000 Canna Roots, 50,000 Tuberose Roots, 5,000 Geraniums, 2 1/4 pots, all good stock and low prices. Write for trade list.

J. H. O'HACAN, Little Silver, N. J.

Please mention the American Florist when writing.

Do Your Eyes Hurt

When you look upon the flowering of your bulbs? Why not let them shine with delight by buying your bulbs from

JOHN SCHEEPERS.

Member of R. Schoo & Co., Bulb Growers, Hillegom, (Holland). Write to-day.

136 Water Street, NEW YORK.

DAHLIAS

We make a specialty of Dahlias and grow in large quantities all the leading novelties and standard varieties. Write for price list.

WAGNER PARK CONSERVATORIES, Sidney, Ohio.

500,000 Unrooted Carnation Cuttings...

WHITE.				YELLOW.			
	Per 100	Per 1000	Per 5000		Per 100	Per 1000	Per 5000
QUEEN LOUISE.....	\$.55	\$ 5.00	\$23.00	GOLDEN BEAUTY.....	\$.75	\$ 6.00	\$25.00
NORWAY.....	.55	5.00	23.00	ELDORADO.....	.55	5.00	23.00
PINK.				VARIEGATED.			
ARGYLE.....	.55	5.00	23.00	VIOLINIA, 4-inch bloom, fine.....	6.00	50.00	
MERMAID.....	.55	5.00	23.00	MARSHALL FIELD.....	1.50	12.50	60.00
MARQUIS.....	.55	5.00	23.00	STELLA.....	1.50	12.50	60.00
LAWSON.....	1.00	8.00	35.00	MRS. BRADT.....	1.00	7.50	35.00
CRESSBROOK.....	.75	6.00	25.00	ARMAZINDY.....	.55	5.00	23.00
SUCCESS.....	1.00	8.00	35.00	SCARLET.			
CRIMSON.				AMERICA.....	.55	5.00	23.00
HARLOWARDEN.....	1.50	12.50	50.00	MRS. P. PALMER.....	.55	5.00	23.00
GEN. GOMEZ.....	.55	5.00	23.00	APOLLO.....	.55	5.00	23.00

Cash or C. O. D. with privilege of examination. Express prepaid at above prices.

—SEE R. C. CARNATION PRICES IN BACK ISSUES.—

California Carnation Co.

LOCK BOX
103.

LOOMIS, CAL.

SPECIAL OFFER Carnation Cuttings.

READY FOR SHIPMENT.

Having a surplus of these varieties will make special price for 15 days. Our stock is perfection and free from disease.

Pink	Per 100	1000	White.	Per 100	1000
Lawson.....	\$1.50	\$12.50	Glacier.....	\$1.50	\$14.00
Joost.....	1.25	10.00	White Cloud.....	1.25	10.00
Marquis.....	1.25	10.00	Flora Hill.....	1.25	10.00
Dorothy.....	1.50		Scarlet.		
			Crane.....	1.50	14.00
			Variegated.		
			Prosperity.....	1.50	12.00

Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. CASH.

Geraniums. Best bedders in pink, salmon, and scarlet, labeled, rooted cuttings, \$1.75 per 100.

The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.

FUCHSIAS...

Strong 2½-inch plants, ready now. LITTLE BEAUTY, \$5.00 per 100. LORD BYRON, \$4.00 per 100.

S. S. SKIDELSKY,

708 North 16th St., PHILADELPHIA, PA.

Carnations.

Fine, strong, well-rooted cuttings now ready.

ENCHANTRESS, \$6.00 per 100; \$50.00 per 1000.
LILLIAN POND, \$5.00 per 100; \$40.00 per 1000.
THE QUEEN, Jan. delivery, \$5 per 100; \$40 per 1000.
LARCHMONT NURSERIES, Larchmont, N. Y.

CARNATIONS Rooted Cuttings.

Clean, Healthy, Well Rooted Stock.

Per 100	1000	Per 100	1000
Flora Hill..	\$1.50 \$12.50	Crane.....	\$2.00 \$15.00
Prosperity..	2.50 20.00	America....	2.00 15.00
Lawson....	2.50 20.00	G. Beauty..	5.00 40.00
Marquis....	1.75 15.00	Gaiety.....	3.00 25.00
Melba.....	1.50 12.50	Gov. Roose-	
Dorothy....	3.00 25.00	velt.....	3.00 25.00
McKinley..	3.00 25.00	Harlowarden	6.00 50.00
E. Crocker..	1.50 12.50	Joost.....	1.75 15.00
G. Lord....	1.75 15.00	Chicago...	2.00 15.00
Mrs. Nelson	3.50 30.00		

We also have a few of 1903 varieties not listed. Write for information.

The MIAMI FLORAL CO.,
Dayton, Ohio.

CARNATION CUTTINGS.

	Per 100	1000
Enchantress.....	\$6.00	\$50.00
Queen.....	5.00	40.00
Lillian Pond.....	5.00	45.00
Prosperity.....	2.50	20.00
Lawson.....	2.50	20.00
Cressbrook.....	2.50	20.00
Challenger.....	2.50	20.00
Fair Maid.....	3.00	25.00
Harry Fenn.....	5.00	40.00
Gen. Maceo.....	2.50	20.00
Queen Louise.....	2.00	15.00
Bradt.....	3.00	25.00

C. WARBURTON, Fall River, Mass.

CARNATIONS.

50,000 ROOTED CUTTINGS.

The profitable ones to grow for Cut Flowers. Our stock is exceptionally fine. List of varieties and prices on application.

C. AKEHURST & SON,
WHITE MARSH, MD.

ROOTED CARNATION CUTTINGS.

	Per 100	1000
G. H. Crane.....	\$2.50	\$20.00
Mrs. Lawson.....	2.00	17.50
Mrs. Joost.....	1.50	12.50
Ethel Crocker.....	1.50	12.50
Wm. Scott.....	1.50	12.50
Flora Hill.....	1.50	12.50
Queen Louise.....	1.50	12.50
Norway.....	1.50	12.50

Cash or C. O. D.

ST. LOUIS CARNATION CO., Clayton, Mo.

ROOTED CARNATION CUTTINGS.

	100	1000
From strong, healthy plants.....	100	1000
Enchantress.....	\$6.00	\$50.00
The Queen.....	6.00	50.00
Fair Maid.....	4.00	30.00
Gov. Wolcott.....	4.00	30.00
Boston Market.....	4.00	30.00
Mrs. T. W. Lawson.....	3.00	20.00

HENRY A. STEVENS CO., Dedham, Mass.

Orders Booked Now For Future Delivery.

Rooted Cuttings and Plants of Rose Queen of Edgely, (Pink American Beauty). Write for prices.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA.

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. PEONIES, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 per 100. H. P. ROSES, dormant, own roots, \$1.50 per doz.; \$12.00 per 100. PANSIES, transplanted, the very finest, \$1.50 per 100. F. A. BALLER, Bloomington, Ill.

Successful Sellers.....

are the Successful growers who advertise in

THE AMERICAN FLORIST.

OUR PASTIMES.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York. Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., Chicago, Ill.

At New York.

The Florists' Bowling Club had a prize contest last Monday evening. The accompanying scores give no intimation as to the prizes accompanying them. Some got neckties; others got sausages; but we draw the veil.

Player.	1st	2d	3d
Butterfield.....	147	106	121
Shaw.....	147	116	119
Siebrecht.....	148	156	121
Bennett.....	162	111	122
Hafner.....	134	168	96
Smith.....	147	135	146
Traendly.....	152	89	118
Sampson.....	152	122	130
Gibbs.....	116	191	152
Mansfield.....	138	120	173
Guttman.....	113	125	139
Lenker.....		73	97
Nugent.....		92	141
John Young.....			116

At Chicago.

The regular weekly meeting of bowlers was held Tuesday evening at the Geroux alleys. The following tells the story in a nutshell:

Player	1st	2d	3d
V. Kreitling.....	168	160	121
Stevens.....	181	197	173
Huebner.....	121	202	141
Degman.....	115	172	161
Bergman.....	139	141	128
Balluff.....	150	223	
Geo. Scott.....	141	138	145
E. F. Winterson.....	143	173	106
L. Kill.....	98	122	93
Day.....	191	149	126
W. Kreitling.....	110	122	

LADIES.

Player	1st	2d	3d
Mrs. Kill.....	126	109	101
Mrs. Maisel.....	97	75	119
Mrs. Hauswirth.....	87	82	130
Mrs. Winterson.....	79	98	73
Mrs. Scott.....	91	55	54
Mrs. Kreitling.....	110	84	108

Minneapolis.

The weather conditions are steadily improving and the last seven days have been busy ones with the retailers. Carnations are the only flowers appearing in any number. Tea and American Beauty roses still are backward. Bulbous stock is scarce and a heavy demand is maintained. Violets are in good supply and demand as well. Hans Pracker is marketing choice violets. A heavy funeral trade drains the market of white stock

and the man with the early order is the only one who stands a chance of filling his needs.

Ralph Lathom, employed in William Donaldson & Company's flower department, will sever his connection with the firm shortly and take charge of E. Nagel Company's store, which he has purchased. He will continue the plant business in his own name. This was Ralph's old place of labor and he expects to build up a good trade. He has the best wishes of all in his undertaking.

The downtown store of the Minneapolis Floral Company especially the show window, has been a scene of grandeur the last few days. Some choice azaleas, sword ferns and palms, arranged with vases of cut flowers, were used in the display. The store is under the management of Miss Hannah Harveu, who was formerly with A. S. Swanson.

Walter Kerridge has been engaged by Miss H. B. Whitted the last week arranging some large decorations.

A. J. Mendenhall has a choice display of cinerarias in his Sixth street window.

Carl Johnson reports a good trade for St. Valentine's day.

A. S. Swanson has had heavy funeral orders recently. C. F. R.

BRIDGEPORT, CONN.—John Reck, of the firm of John Reck & Son, has sailed for Germany with his daughter. The trip

will be a short one, as he intends to return before March 1.

FREMONT, MICH.—R. L. Chamberlin has purchased the three lots east of the power house and is getting ready to move his greenhouses from the lake to this location.

Wanted.

A few bushels of each of the following Beans: Bountiful, Longfellow, Yosemite Wax. Saddleback Wax.

VAUGHAN'S SEED STORE. Chicago.

Dealers and Florists

Visiting Bermuda during the next 4 months are invited to visit Longbird farm and view the crop of Genuine Harris Lilies now in bloom, the finest ever seen in Bermuda.

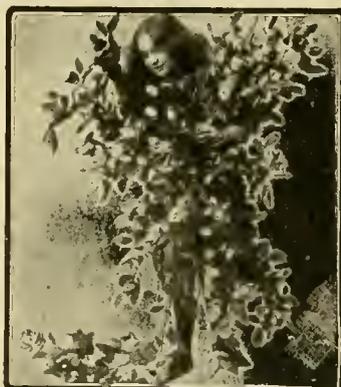
Office Telephone 517, Residence 509.

R. H. JAMES, Prop., St. Georges, Bermuda.

F. J. Scott, Loyd, Ulster Co., N. Y.

DEALER IN

Orchid Peat, Sphagnum Moss and Leaf Mold at bottom prices. Sample on application.



4 Grades of TEA ROSES

"Specials"
"Selects"
"1st"
"2nd"

The "Specials" are highest possible quality in color, stem and foliage and are far superior to what are usually called "BEST." Price 10 cents, The "Selects" are equally fine, but not quite so large. Price 8 cents, The "Firsts" are good standard roses in every way at a popular price 5 cents, The "Seconds" are good clean buds, with stems 6 to 9 inches. Price 3 cents. BEAUTIES, all grades at market prices.

Careful packing and shipping to any distance. HELLER BROS., SOUTH PARK FLORAL CO. NEW CASTLE, IND.

THE ANNUAL FLOWER AND PLANT SHOW

Under the Auspices of the

Boston Co-Operative Flower Growers' Association.

Will take place at the BOSTON FLOWER MARKET,

161-163 Columbus Avenue, BOSTON, MASS.

Saturday, February 27, 1904, from 9 O'clock A. M. to 5 O'clock P. M.

Further particulars for intending exhibitors may be had on application to the Secretary.

COMMITTEE:

WM. NICKOLSON, Chairman,

E. SUTERMEISTER,

GEORGE CARTWRIGHT.

CRUSADER...

Best scarlet carnation ever introduced or in sight. No stem rot; strong grower; no splitting; extremely free; 3 inches long, strong stems. COME AND SEE IT. Price, \$10.00 per 100; \$80.00 per 1000.

SEE OUR AD. ON THIS PAGE FOR OTHER VARIETIES.

CHICAGO CARNATION COMPANY, Joliet, Ill.

Carnation Cuttings.

Well Rooted. Ready Now.

	Per 100	1000
Enchantress, light pink.....	\$5.50	\$50.00
Harlowarden, crimson.....	4.50	40.00
Her Majesty, white.....	4.50	40.00
Lillian Pond, white.....	4.50	40.00
Pres. McKinley, dark pink.....	4.50	40.00
Dorothy Whitney, yellow.....	4.50	40.00
Gov. Wolcott, white.....	4.00	30.00
Estelle, scarlet.....	3.00	25.00
Mrs. T. W. Lawson, dark pink.....	2.00	17.50
Mrs. Higinbotham, light pink.....	4.00	30.00
Prosperity.....	2.00	16.00
Boston Market.....	4.00	30.00
Fair Maid.....	4.00	30.00
Marshall Field.....	5.00	40.00

NEW VARIETIES, For January Delivery.

Crusader, best scarlet.....	\$10.00	80.00
Flamingo, fancy scarlet.....	12.00	100.00
White Lawson, pure white.....	12.00	100.00
Lady Bountiful, white.....	12.00	100.00

Send for price list of above and other varieties.

Chicago Carnation Co. JOLIET, ILL.

Please mention the American Florist when writing.

CARNATION CUTTINGS.

We now have ready good, well-rooted Cuttings, from the following varieties:

	100	1000		100	1000
Enchantress.....	\$6.00	\$50	Eldorado.....	\$2.50	\$20
Fair Maid.....	3.00	25	Manley.....	4.00	30
Fragrance.....	6.00	50	Adonis.....	4.00	30
The Queen.....	5.00	40	Lawson.....	2.50	21
Boston Market.....	4.00	30	Joost.....	2.50	20
Gov. Wolcott.....	5.00	40	Harlowarden.....	6.00	50
Bradt.....	3.00	25	Harry Fenn.....	5.00	40
Prosperity.....	2.50	20			

NEW VARIETIES FOR 1904—

Nelson Fisher.....	100	1000
Mrs. M. A. Patten.....	\$12.00	\$100.00
	12.00	100.00

All selected cuttings from healthy stock. Send in your order now and secure early delivery.

BACKER & CO., Long Dis Tel BILLERICA, MASS.

Please mention the American Florist when writing.

NEW LIGHT PINK CARNATION—

“NEW DAYBREAK”

To the commercial grower who is looking for profit, this variety is all that its name implies, and will at once commend itself as the old Daybreak reincarnated without its faults. Color, true Day-break shade, of Daybreak and S-out extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper. Price, \$3.00 per doz.; \$12.00 per 100. \$100.00 per 1000. OTHER NEW AND STANDARD VARIETIES.

Chrysanthemums, The best American and best standard sorts. Write for Price List.

H. WEBER & SONS, Oakland, Md.

NEW WHITE CARNATION FOR 1904.

The Bride

This variety was the winner of the first prize for best 100 white at the Carnation Convention Show in Brooklyn last February and is unquestionably the best white in sight.

PRICE, \$2.50 per Dozen; \$12.00 per Hundred; \$100.00 per Thousand.

JOHN N. MAY, Summit, N. J.

Please mention the American Florist when writing

VESPER

Finest white Carnation on Market this year, flowers 3 in. to 3 1/4 in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100, \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

	Per 100	Per 1000		Per 100	Per 1000
Adonis.....	\$7.00	\$30.00	Lawson.....	\$2.50	\$20.00
Enchantress.....	6.00		Queen Louise.....	2.50	20.00
McKinley.....	4.00	30.00	Mrs. Bradt.....	2.50	20.00
Estelle.....	4.00	30.00	Flora Hill.....	2.00	15.00
Nelson.....	3.50	30.00	Mrs. Joost.....	1.50	12.50

CASH. NO C. O. D.—

Wm. C. SMITH, 61st & Market Sts., Philadelphia, Pa.

The New Scarlet Carnation

AMAZE

A profuse Christmas bloomer, strong grower, heavy stem, flower intense scarlet and remarkable keeping qualities. Rooted Cuttings ready February 1.

PRICE: \$10.00 PER 100; \$75.00 PER 1000 CASH.

ORDER FROM THE GREENHOUSES,

JEROME SUYDAM,

Flatbush, Brooklyn, N. Y.

OR FROM THE AGENTS,

SLINN & HUGHES,

Coogan Building, NEW YORK CITY.

Please mention the American Florist when writing.

Rooted Carnation Cuttings

	Per 100
Enchantress.....	\$5.00
Queen.....	4.00
Fair Maid.....	2.50
Lawson.....	2.50

H. F. LITTLEFIELD, WORCESTER, MASS.

Please mention the American Florist when writing.

Rooted Carnations.

Flora Hill, white.....	100	1000
Queen Louise, white.....	\$1.20	\$10.00
Bon Homme Richard, white.....	1.50	15.00
Mrs. P. Palmer, scarlet.....	1.20	10.00
G. H. Crane, scarlet.....	1.20	10.00
Apollo, scarlet.....	3.00	
J. H. Manley, scarlet.....	3.00	
Mrs. Higinbotham, pink.....	2.50	20.00
Mrs. Lawson, pink.....	1.40	12.50
Mermald, pink.....	1.00	9.00
Harry Fenn, crimson.....	3.00	
Prosperity, variegated.....	1.40	12.00
Galely, variegated.....	3.00	

Express prepaid. Cash with order.

The Knoll Nurseries, Penryn, Cal.

The American Florist Co.'s

TRADE DIRECTORY

HUNDREDS OF NEW NAMES AND ADDRESSES.

And contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Gardeners, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies and Horticultural Supply Concerns of the United States and Canada.

Price \$2.00 Prepaid.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2 82 Park Ave. David S. Beach, Prop.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50

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

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans, it will be found a most valuable guide. \$4.00.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. Price 25 cents.

STEAM HEATING FOR BUILDINGS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated; 250 pages. \$1.00.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful practical florist. Illustrated. \$2.00.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with a classification of all the leading varieties. \$1.25.

AMERICAN FLORIST CO.,

324 Dearborn Street,

CHICAGO.



Indianapolis

The best bright pink carnation in sight. Come and see it growing. Awarded Certificate of Merit Indiana State Florists' Ass'n, Jan. 12, 1913. Scored 85 points Chicago, Nov. 18, 1903. Certificate of Merit, Cincinnati Florists' Club, Jan. 9, 1904. Certificate of Merit, Indiana State Florists' Ass'n., January 12, 1904. What more could you ask? \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

A FINE LOT OF STANDARD SORTS.

	Per 100	1000	Per 100	1000
McKinley	\$3.00		Floriania	2.00 18.00
Harlowarden	5.00		Q. Louise	2.00 18.00
Her Majesty	5.00		E. Crocker	1.50 12.50
Flora Hill	1.51	\$12.51	Lawson	2.00 18.00
Crane	2.51	20.00	G. Roosevelt	2.00
Estelle	3.00	25.00	P. Palmer	3.00
W. Cloud	1.51	12.51	E. A. Nelson	3.00
Lorna	2.00	18.00	Apollo	3.00
Viola Allen	3.00	25.00		

BAUR & SMITH,
330 W. 38th St., Indianapolis, Ind.

Please mention the American Florist when writing.

CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL	\$2.50	\$20.00	PERU	3.00	25.00
THE SPORT	2.50	20.00	WHITE CLOUD	2.50	20.00
MRS. LAWSON	3.00	25.00	AMERICA	2.50	20.00
MRS. HIGINBOTHAM	3.00	25.00			

ROSE CUTTINGS.

BRIDE	\$12.50	per 1000	IVORY	\$12.50	per 1000
BRIDESMAID	12.50	"	GOLDEN GATE	12.50	"

Lots of 500 at 1000 rate.

SINNER BROTHERS,

Wholesale Cut Flowers,

58-60 Wabash Avenue,

CHICAGO.

Please mention the American Florist when writing.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The **STORRS & HARRISON CO., JOHN N. MAY,**

PAINESVILLE, O.

SUMMIT, N. J.

Carnations Rooted Cuttings.

Now ready lots of them. For a limited time at these low prices. If not satisfactory on arrival return them, when money will be refunded.

	Per 100	1000
Mrs. T. W. Lawson	\$1.25	\$12.00
Flora Hill	1.00	10.00
Boston Market	3.00	30.00

Geraniums. 2 and 2 1/4-inch, fine plants, S. A. Nutt and La Favorite, \$3.00 per 100; \$25.00 per 1000.

We guarantee to please you in every way.

S. T. DANLEY,

Macomb, Ill.

—ROOTED—

CARNATION CUTTINGS.

FINE HEALTHY STOCK.

	Per 100	1000
Enchantress	\$6.00	\$50.00
Gov. Wolcott	5.00	40.00
Lawson	2.50	20.00
Genevieve Lord	1.75	15.00
White Cloud	1.75	15.00

The J. M. Gasser Co.,

234 Euclid Ave.,

CLEVELAND, O.

Directory for 1904.

*Price \$2.00
Postpaid.*

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1904, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 412 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 Foreign Merchants, 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
412 Pages.*

Now Ready

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....	\$.75	100 Plants and over and less than 1,000, each	\$.25
12 Plants, each.....	.60	1,000 Plants and over, each.....	.20
25 Plants, each.....	.50	3-inch pot plants, 5c each additional.	
50 Plants and over and less than 100, each.....	.30		

PRICES OF DRAFTED STOCK GIVEN ON APPLICATION.

JOHN BREITMEYER'S SONS,

Gratiot and Miami Aves., DETROIT, MICH.

SELLING AGENTS:
ERNST ASMUS & SON,
A. ROLKER & SONS,

MICHIGAN CUT FLOWER EXCHANGE,
VAUGHAN'S SEED STORE,
S. S. SKIDELSKY,

J. AUSTIN SHAW,
CLUCAS & BODDINGTON CO.

ROSE PLANTS. STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

MME. CHATENAY.....	Per 100 \$6.00	1000 \$50.00	MAID.....	Per 100 \$3.00	1000 \$25.00
SUNRISE.....	5.00	40.00	BRIDE.....	3.00	25.00
KAISERIN.....	4.00	35.00	PERLE.....	3.00	25.00
LIBERTY.....	6.00	50.00	GOLDEN GATE.....	3.00	25.00
			IVORY.....	3.00	25.00

ROSE CUTTINGS—Well Rooted.

IVORY.....	Per 100 \$1.50	1000 \$12.50	GOLDEN GATE.....	Per 100 \$1.50	1000 \$12.50
MAID.....	1.50	12.50	PERLE.....	1.50	12.50
BRIDE.....	1.50	12.50	SUNRISE.....	3.50	30.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		Per 100	1000	WHITE.		Per 100	1000
MRS. LAWSON.....	\$1.50	\$12.50	MURPHY'S WHITE.....	\$3.00	\$25.00		
MRS. E. A. NELSON.....	2.50	20.00	FLORA HILL.....	1.25	10.00		
GUARDIAN ANGEL.....	1.25	10.00	WHITE CLOUD.....	1.25	10.00		
MRS. HIGINBOTHAM.....	2.00	15.00	PERU.....	1.25	10.00		
SYBIL.....	3.00	25.00	QUEEN LOUISE.....	1.25	10.00		
McKINLEY.....	3.00	25.00	NORWAY.....	1.25	10.00		
JOOST.....	1.25	10.00	MARION.....	1.25	10.00		
			GOV. LOWNDES.....	3.00	25.00		
VARIEGATED.				RED.			
MRS. BRADT.....	2.00	15.00	ESTELLE.....	2.50	20.00		
PROSPERITY.....	2.00	15.00	MRS. INE.....	1.25	10.00		
			CHICAGO (Red Bradt).....	2.00	15.00		
			HARLOWARDEN.....	3.00	25.00		

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Healthy Carnations.

Well Rooted. Enchantress, all sold till March 15th, \$6.00 per 100; \$50.00 per 1000. Strong, 2-inch pots now ready, \$8.00 per 100. Now ready, Queen Louise, Crocker, Lorna, White Cloud, Peru, Innocence, Lawson, Floriana, Prosperity, Dorothy, Marquis, Pres. Roosevelt, Manley, \$2.00 per 100; \$17.50 per 1000.

W. W. COLES, Kokomo, Ind.

Roses. Roses. Plants and Rooted Cuttings.

American Beauty.....	R. C. Per 100 \$3.00	2 1/2-in. Per 100 \$6.00
Bride, Maid Ivory, Gate.....	1.50	3.00
Perle, Kaiserin, Canadian Q'n.....	2.00	4.00

LOW RATE BY THE THOUSAND.
BOSTON FERNS. 2 1/2-inch, \$4.00 per 100; 3-inch, \$3.00; 4-inch, \$2.50; 5 inch, \$25.00; 6-inch, \$40.00. Fine stock. Note the special low prices on smaller sizes.
CULLETT & SONS, Lincoln, Ill.

All the Best CARNATIONS

The Leading Novelties of 1904.
The Best Varieties of 1903.
All the Standard Sorts.

Order your Rooted Cuttings NOW.
GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Washington, D. C.

The last week of the social season, so far as it concerned the official set, was a good one for business, there being many receptions, dinners and other social affairs. The illness of Senator Hanna caused the postponement of several social functions, and his death has cast a shadow of gloom over the whole city. Saturday was observed as St. Valentine's day, and cupid's arrows were in many instances cunningly concealed in bouquets and baskets of flowers. Dinner centerpieces in the form of hearts were sent out by several stores. Blackstone, Gude and Loose each had in his show window designs appropriate for the day. It was the best day for trade since Christmas, and all stock was well cleaned up. The following prices now rule: American Beauty roses, \$10 to \$15 per dozen; Bride and Bridesmaid, \$1.50 to \$4 per dozen; carnations, 50 cents to \$2.50 per dozen; tulips, 50 cents to 75 cents per dozen; narcissi, 50 cents to 75 cents per dozen. There are plenty of good lilacs, and sweet peas are in good supply.

The National Woman Suffrage Association is now in session in this city. A careful young man who looked in a few nights ago, saw pots of pink azaleas in bright pink "petticoats" standing about the platform, and on the stand a great bunch of roses which had been presented to Miss Susan B. Anthony at the white house. All of which shows that the proprieties are being observed, and that the suffragists have friends in high places.

February 12, the birthday anniversary of Abraham Lincoln, was observed by various organizations in a quiet way. The wearing of the carnation on McKinley's birthday is a pleasing custom, which I hope will become more general. I would like to see a league organized and a flower chosen to commemorate the birth of that other great man, Abraham Lincoln.

"Heroic soul in homely garb half hid,
Sincere, sagacious melancholy, quaint,
What he endured, no less than what he did,
Has raised his monument and crowned him saint."

Mr. and Mrs. J. Louis Loose have returned from Jamaica, British West Indies, where they spent a month. They talk interestingly of the flora of that island. At the botanical gardens near Kingston they saw a splendid collection of tree ferns, bougainvilleas, and other tropical plants growing in the open air.

One of the strictly up-to-date florists had a cupid wearing petticoats in his window on St. Valentine's day.

R. Bowdles has been sending in some very good narcissi.

S. E.

URBANA, ILL. — The department of agronomy of the College of Agriculture has under construction an iron frame greenhouse. The house is 22x75 feet and will be used for pot cultures of the various soil types found by the state soil survey. The material was furnished by Lord & Burnham Company, Irvington-on-Hudson, N. Y.

Better Than the Others.

ED. AM. FLORIST:—Enclosed is \$1 for another year's subscription to the AMERICAN FLORIST. I have sent for sample copies of three different florist papers this winter but none is up to the AMERICAN FLORIST.

Athol, Mass.

C. W. SIBLEY.



- No. 1. \$1.00
- No. 2. \$2.00
- No. 3. \$3.00
- No. 4. \$3.50
- No. 5. \$4.00
- No. 6. \$4.50

"A Wee Wail From The Woods(man)"

"QUALITY COUNTS"

("Thal's All.")

This stock can be had ONLY direct from the introducers or their Agents:

- J. B. DEAMUD, Chicago, Ill.
- W. F. KASTING, Buffalo, N. Y.
- LEO. NIESSEN, Philadelphia, Pa.
- GEO. M. KELLOGG, Kansas City, Mo.
- J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.
- REED & KELLER, New York City.
- HOLTON & HUNKEL, Milwaukee, Wis.
- H. G. BERNING, St. Louis, Mo.
- BARTELDES & CO., Denver, Colo.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES. ORDER NOW AND RECEIVE PROMPT SHIPMENT.

PINK.		Per 100	1000	RED.		Per 100	1000
Enchantress.....		\$6.00	\$50.00	Estelle.....		3.00	25.00
Morning Glory.....	2.00	15.00		Harlowarden.....		3.00	25.00
Higinbotham.....	1.50	12.50					
Lawson.....	1.50	12.50					
Guardian Angel.....	1.25	10.00					
Cressbrook.....	1.50	12.50					
RED.		Per 100	1000	WHITE.		Per 100	1000
Palmer.....		\$2.00	\$15.00	Her Majesty.....		3.00	25.00
				White Cloud.....		1.50	12.50
				Flora Hill.....		1.50	12.50
				Queen Louise.....		1.50	12.50
				Norway.....		1.50	12.50

Rooted Rose Cuttings.

	Per 100	1000		Per 100	1000
Bride.....	\$1.50	\$12.50	Golden Gate.....	\$1.50	\$12.50
Bridesmaid.....	1.50	12.00	Meteor.....	1.50	12.50
Ivory.....	1.50	12.50	Liberty.....	3.00	25.00

WIETOR BROS., Wholesale Growers of Cut Flowers.

51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS.

Special quotations on Gov. Wolcott, Lawson and Palmer in large lots.

	Per 100	1000		Per 100	1000		Per 100	1000
Gov. Wolcott.....	3.50	25.00	Prosperity.....	2.00	18.00	Lorna.....	2.50	20.00
2000 and over, \$22.00 per 1000.			Lillian Pond.....	3.00	25.00	Higinbotham.....	1.50	12.00
Lawson.....	1.50	12.50	Palmer.....	1.50	12.50			
2000 and over, \$11.00 per 1000.			3000 and over, \$11.00 per 1000.					
			Joost.....	1.50	12.00			

Prices on 2 1/2-inch stock on application.

Booking orders for 2 1/2-inch roses and 'mums for spring delivery. Get your orders in and secure good stock. Send in list for estimate.

POENLMANN BROS. CO., Morton Grove, Ill.

CARNATIONS

Rooted Cuttings. Ready Now.

	Per 100	Per 1000
QUEEN LOUISE.....	\$1.50	\$12.50
LILLIAN POND.....	5.00	40.00
ETHEL CROCKER.....	1.50	10.00
MRS. E. A. NELSON.....	2.00	15.00
FLORIANA.....	1.50	12.50
ENCHANTRESS.....	6.00	50.00

Send for estimates on complete order and list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

Carnation Cuttings

We are now booking orders for rooted cuttings. List of varieties and prices sent on application.

The Cottage Gardens, Queens, L. I.

Carnations

ROOTED CUTTINGS.

Orders booked now for next season's delivery of all the leading varieties. Send us a list of what you want and get prices that are right.

Chas. Chadwick, L. Box 11, Grand Rapids, Mich.

Successful Growers are Wanted

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

Albany, N. Y.

The present week has seen more than usual activity. Monday evening the firm of Whittle Brothers supplied the decorations for the review held by Company B, Tenth Battalion, in the state armory. The company rooms were tastefully decorated with pink azaleas, Boston ferns, palms and other foliage plants. On Tuesday evening W. C. King supplied the decorations for the dinner given by Governor Odell at the executive mansion in honor of a number of young society people. Liberty roses, mignonette and Farleyense ferns were used in considerable quantities. H. G. Eyres Wednesday evening had a large decoration at Odd Fellows' hall where the Republican organization of the county held its banquet. Palms, southern smilax and laurel roping were used for decorating, and tulips and azaleas for the tables. Friday evening the local society people held a charity ball in the same hall and the decorations were by Eyres, who used mostly laurel roping and southern smilax.

F. A. Danker on January 27 filled the order for the floral decorations at the Blake-McArdle wedding. The order was remarkable on account of the fact that the florist was told to go ahead regardless of all expense, which he did to the queen's taste. In addition to very elaborate house decorations and bouquets of ample proportions for all the ladies, the cathedral in which the ceremony took place was also elaborately decorated.

The firm of Henkes Brothers, at Newtonville, Albany county, has lately gone into the growing of plants. The concern formerly did a large business growing vegetables. A new house 25x125 feet was built this winter.

Mrs. C. Gloeckner will tear down a wooden frame house 25x125 feet this coming season and will replace same with a house of iron frame construction.

Louis Menand, of Cemetery avenue, is contemplating the building of a carnation house this summer, but has not yet decided on the plans. B. D.

Richmond, Ind.

The Florists' Club held its January meeting at the greenhouses of its president, George R. Gause. After routine business Fred Lemon read an excellent paper entitled, "The drawbacks to successful carnation growing, together with experiments with different fertilizers, and the results obtained therefrom." The paper and the discussion which followed proved both interesting and instructive, and could not help but be of material benefit to all. Mr. Lemon appointed Mr. L. H. Schepman to prepare a paper for the February meeting, which will be held at the Graves greenhouses west of the city. At the close of the meeting waiters appeared with hot coffee and sandwiches and fruit, and the way it disappeared showed that the members of the club had their appetites with them.

John A. Evans, not to be behind the rest of the boys, has come to the front with another fine boy. All doing well.

Finds It an Aid.

ED. AM. FLORIST:—I much prefer your paper to others. I have just started growing cut flowers for the New York market, and find your paper very valuable. WM. SIMMONDS.

Staten Island, N. Y.

NEW PINK CHRYSANTHEMUM Dr. ENGUEHARD

The finest commercial Pink Chrysanthemum ever introduced.

We were awarded for this, first prize for the best six blooms any new pink variety at the Chrysanthemum Show in New York. This is going to be in pink chrysanthemums what Col. D. Appleton has been in yellow and Timothy Eaton in white. It is a fine commercial flower of the largest size, and an ideal color; fine, large, compact blooms of great substance; a fine shipper; something that has long been wanted in pink chrysanthemums. It has grand foliage, is an easy "doer," and a phenomenal variety in every respect.

As the demand for this is enormous, it would be advisable to place orders without delay. As orders are filled in rotation, the earlier order is placed the earlier delivery we can make.

Certificated by the C. S. A., having scored as high as 95 points.

50c each, \$5.00 per dozen, \$30.00 per 100

F. R. PIERSON CO.,

Tarrytown-on-Hudson, NEW YORK.

Please mention the American Florist when writing.

Rooted Carnation Cuttings.

SPECIAL LOW QUOTATIONS FOR TEN DAYS.

PINK.			RED.				
	100	1000	5000		100	1000	5000
Mrs. Lawson	\$1.25	\$10.00	\$40.00	G. H. Crane	\$2.00	\$18.00	\$80.00
Mrs. Nelson	2.00	18.00	80.00	Estelle	2.00	18.00	80.00
Guardian Angel	1.25	10.00	40.00	America	2.00	18.00	80.00
Dorothy	1.50	12.50	50.00	Palmer	2.00	18.00	80.00
McKinley	2.00	18.00	80.00	LIGHT PINK.			
Ethel Crocker	1.25	10.00	40.00	Enchantress	5.50	50.00	200.00
Mrs. Joost	1.25	10.00	40.00	Higinbotham	2.00	18.00	80.00
WHITE.				Morning Glory	2.00	18.00	80.00
Flora Hill	1.25	10.00	40.00	Prosperity	2.00	18.00	80.00
White Cloud	1.25	10.00	40.00	Rooted Rose Cuttings.			
Queen Louise	1.25	10.00	40.00		100	1000	
Norway	1.25	10.00	40.00	Bridesmaid	\$1.50	\$12.50	
Gov. Wolcott	3.50	27.00	125.00	Bride	1.50	12.50	
				Golden Gate	1.50	12.50	
				Ivory	1.50	12.50	

We have been shipping every day. No frozen shipments reported. If stock not satisfactory will refill or return money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

AMERICAN BEAUTY ROOTED CUTTINGS

This stock is from good, clean, healthy wood, will be free from spot and thoroughly rooted when sent out. Money refunded if not perfectly satisfactory upon return of stock. \$3.00 per 100; \$25.00 per 1000.

J. A. BUDLONG, Wholesale Grower of Cut Flowers, 37-39 Randolph Street, CHICAGO, ILL.

Please mention the American Florist when writing.

The Queen Best Commercial White CARNATION.

Rooted Cuttings, X X X Stock \$5.00 per 100; \$45 per 1000.

TOTTY'S PEERLESS SET CHRYSANTHEMUMS LAST YEAR'S BEST NOVELTIES.

JOHN BARR, South Natick, Mass.

Please mention the American Florist when writing.

Send for Descriptive Circular and Price List.

San Diego, Cal.

P. Ridel is now foreman at the Coronado botanical gardens. He has Chinese helpers only. The outdoor carnations, about 8,000, are looking well. The Coronado White is a remarkably thrifty variety and may be seen in its full glory here. It is one of the famous Redondo varieties. These flowers possess several points of merit but should be somewhat larger to balance stem development. Another drawback is the tendency to pink at the base of the petals. If some wizard of the camel's-hair brush could combine the good qualities of this variety and those of the Los Angeles White we would have an ideal carnation.

A good many annuals are grown at the botanical gardens for use in the big hotel. About 4,000 strings of smilax were ready to cut before the holidays, besides some *Asparagus plumosus*. A Monterey cypress hedge which has been robbing neighboring plants of moisture and nutriment many years has been grubbed out and a neat fence put in its place. The Monterey cypress was planted very extensively a few years ago for hedges and wind-breaks, but at present the tree is looked on with growing disfavor by careful planters. It is a notorious dust accumulator and old trees are very seldom things of beauty. It will not stand as much drought as some species of pines. I can show you abandoned places in the dry hills back of San Diego where pines and cypresses are growing together—the pines handsome, hale and hearty as a grey squirrel cracking an acorn, while the cypresses remind one of lean and hungry rats. Then, too, the cypress is pretty nearly as adept in the gentle art of highway robbery as that grim and unblushing old scalcawag *Eucalyptus globulus*. A precious pair they are.

The beach company is preparing to set out a lot of roses for cut blossoms. The beach soil is deficient in some respects and Mr. Ridel was having a lot of adobe put on the ground, together with a heavy dressing of stable manure. Violets were not looking very well. Leaf-spot is induced by too much alkali in the irrigating water. Rain would straighten this out as well as improving the character of the water supply. Heavy rains in the mountains mean soft water in the reservoirs, doing away with the necessity of pumping hard water from wells. One glass house is planted to carnations as an experiment. Stem rot has been very troublesome under glass.

Geo. Otto sold more flowers than a year ago. House plants were about the same as last year. Mr. Otto buys these outside mostly.

R. H. A.

Davenport, Ia.

On February 1 the Allison-Littig Company purchased the Charles Dannacher greenhouses and business and consolidated them with their own. This firm now has by far the largest plant about here and at present occupies the Charles Dannacher store at 110 E. Third street. In a few days, however, the concern will move to 207 Brady street. The new store will be a pretty one in a good location well suited to the business.

Cannot Do Without It.

ED. AM. FLORIST.—Enclosed please find \$1 for renewal of subscription. We cannot do without this paper and would consider ourselves back numbers if we did not get it. J. SYLVESTER.

Carnation Society's Convention.

The Wabash Railroad offers superior traveling facilities to Florists, East, West, Northwest and Southwest, who will attend the Convention of the American Carnation Society at Detroit, March 2 and 3. Through sleeping cars, vestibule trains; unsurpassed dining car service.

The Chicago Delegation will travel via The Wabash, leaving Dearborn Station at 3:00 p. m., Tuesday, March 1. Those passing through Chicago to the Convention are invited to see that their tickets read via The Wabash from Chicago and should start from home in time to connect with this train.

RATE—Fare and one-third for the round trip from all points. Be sure to get a **CERTIFICATE** when buying your ticket.

F. A. PALMER,
A. G. P. A. Wabash Ry., CHICAGO.

Please mention the American Florist when writing.

JOSEPH HEAGOCK,

WYNCOTE, PA.

GROWER OF

Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana

For our prices see page 551, Nov. 7th issue.
Please mention the American Florist when writing.

Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100. In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.
Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. **Asp. Sprengeri**, 4-inch, \$6.00 per 100. **Dracæna Indivisa**, 3-inch, strong, \$8.00 per 100. **Kentias, Ficus.**

L. H. Foster, 45 King St.,
DORCHESTER, MASS.
Please mention the American Florist when writing.

Cyclamens

blooming and in bud; fine stock, 4 inch, \$12.00; 5-inch, \$20.00 and \$30.00 per 100.

C. WINTERICH, Defiance, Ohio.
Please mention the American Florist when writing.

AMERICAN FLORIST COMPANY'S

DIRECTORY

FOR 1904.

THIS 1904 Trade Directory is fully revised to date, with thousands of new names and changes of addresses. It contains 412 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada. These lists are arranged both by states and all alphabetically. It also contains lists of Firms that issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Leading Foreign Houses, and much other conveniently indexed and valuable trade information.

PRICE \$2.00 POSTPAID.

THE AMERICAN FLORIST CO.

324 Dearborn Street,
CHICAGO, ILL., U. S. A.

BIER & ANKERSMIT

Wholesale Growers.

MELLE, near GHENT, BELGIUM.

Cable Address, SUNRISE, Mello, Belgium.

Azalea Indica, Kentia Belmoreana and Fors-
teriana, Areca Baueri and Sapida, Cocos Wed-
deliana, Phoenix Canariensis, Coripha Australis,
Chamerops excelsa, Araucarias, Ferns, Dracænas,
etc. Our price list is now ready. Write for a copy.

VON ZONNEVELD BROS. & PHILIPPS,
Care J. W. HANTTON, JR., 41 Broadway, NEW YORK,
General Agents for U. S. A.

Please mention the American Florist when writing.

CHRYSANTHEMUMS.

	Delivery to April 1.	April & May
	Per 100	D'vy. Per 100
Mrs. Coombes.....	\$3.00	\$2.00
Yanariva.....	2.00	1.50
Alice Byron.....	6.00	4.10
Mme. Cadbury.....	6.00	4.00
Mrs. Traeter, pure white.....	4.00	3.00
Adrian.....	2.00	1.50
Mrs. Robinson, extra fine stock	1.50	1.25
Mrs. F. J. Taggart.....	2.00	1.50
F. J. Taggart.....	6.00	4.00
Robt. Halliday.....	2.00	1.50
Mrs. H. Emmerton.....	8.00	6.00

Prices are for rooted cuttings. Prompt shipment.
Orders hooked for later delivery. Not less than 25
of a kind at above rates. Send for price list of
other varieties. **W. A. CHALFANT, Springfield, Mo.**
Please mention the American Florist when writing.

Wanted.

1000 Begonia, Triumph de Lorraine, 2 1/4-inch
pots. Address, giving price,

The GEO. H. MELLE CO.,
Springfield, Ohio.

ROSES.

Special in 3-in. Golden Gate, Ivory and Liberty.
All other stock ready to go out in 2 x 2 1/4-inch.

ASPARACUS. Plumosus Seedlings in 2 1/2, 3
and 4-inch. Sprengeri in 2, 3 and 4-inch.
CERANIUMS in 2, 2 1/2 and 3-inch. **COLEUS,**
Rooted Cuttings and in 2-inch.

GEO. A. KUHL, Pekin, Ill.

Geraniums..

	Per 100
10 var., fine, 2 1/2-inch pots.....	\$3.00
Coleus , 10 varieties, 2-inch pots.....	2.00
Vines Var. Vines , 2-inch pots.....	2.50
Asp. Plumosus Nanus Seeds , per 1000.....	\$7.00; 1.00

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Cincinnati.

The exhibition of roses February 13 was one of the best shows ever given by the Cincinnati Florists' Society. There were three exhibitors—George & Allan, W. K. Partridge and the E. G. Hill Company. Baur & Smith, of Indianapolis, showed their new carnation Indianapolis. Dick Witterstaetter showed an improved Estelle, which he has named The Cardinal. Its flower is an improvement over the Estelle, but of course we do not know anything about the blooming qualities. Tom Windram, who is growing some of the best Estelle coming into this market, says they will have to show him. W. K. Partridge had a table of about four hundred carnations, such varieties as Mrs. E. A. Nelson, Lorna, Lawson, Enchantress, Adonis, Nelson Fisher, Prosperity and Mrs. Patten, which helped him win the prize for best general display. Mr. Partridge received the first prizes for Bridesmaid, Bride, Meteor, Golden Gate and Ivory, and second for Liberty and American Beauty. His vase of Beauty was the only one on exhibition. George & Allan had a table nicely arranged with roses and bulbous stock. They received second prize for Bride, Bridesmaid, Meteor and Perle, their Perle being the only vase on exhibition. The vase of Liliun Harrisii shown by this firm was grand, as was also their lily of the valley. The E. G. Hill Company, of Richmond, Ind., received first prize for Liberty, with what certainly was the finest vase of this rose ever exhibited in this city. Their Bride and Bridesmaid were also very good in flower, but a little short of stem. A new variety, Rosalind Orr English, was also shown. It was regretted that the La Detroit roses, which had been sent by Breitmeyer's Sons, did not arrive in Cincinnati until Sunday morning. There were numerous inquiries about this variety. Theodore Bock, of Hamilton, O., acted as judge, and any variety receiving a prize was deserving of it, as Theodore was in one of his critical moods. A great many visitors attended the show in the afternoon and evening.

Business here is good and there was an extra demand for violets for St. Valentine's day. There was a big supply of this favorite little flower, consequently the price did not advance. George Corbett sent in 6,000, and they sold readily at \$1 per 100. Mr. Corbett is also sending in some very fine Lawson carnations, which find a ready market at \$5 per 100. Good roses, Bride, Bridesmaid and Golden Gate, are scarce and sell rapidly at \$10 per 100. White carnations are also a little short at present, but there are enough colored ones to go around.

At the Florists' Society meeting held Saturday evening Charles Murphy was elected a member of the society, and a committee was appointed to draft resolutions of sympathy on the death of Henry Weber and to send them to the family of the deceased. Fred Lemon, of the E. G. Hill Company, told of the new rose seedlings on their place. It was also decided to hold a carnation exhibition in March.

George Murphy had one of his greenhouses blown down by the strong wind early last Sunday morning.

Visitors: Martin Reukauf and B. Eschner, of Philadelphia; Mr. Greenlaw, of N. F. McCarthy Company, Boston; John Lodder and Theo. Bock, of Hamilton, O.; Fred Lemon, of Richmond, Ind.

A. O.

VERBENAS

Rooted Cuttings, 60c per 100; \$5.00 per 1000; \$45.00 per 10,000.
Plants, \$2.50 per 100; \$20.00 per 1000.

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. **60 Varieties.**

CARNATIONS.

White.		Pink.		Crimson.	
	Per 100		Per 100		Per 100
The Queen.....	\$5.00	Success.....	4.00	Harry Fenn.....	\$5.00
Queen Louise.....	1.50	Mrs. Higinbotham.....	5.00	Gov. Roosevelt.....	2.50
Lorna.....	2.50	Cressbrook.....	3.00	Gen. Macco.....	1.50
White Cloud.....	1.50	Mrs. E. A. Nelson.....	3.00	Variegated.	
Flora Hill.....	1.50	Mrs. Thos. Lawson.....	3.00	Prosperity.....	2.50
Red.		Dorothy.....	2.00	Mrs. G. M. Bradt.....	3.00
Mrs. Potter Palmer.....	3.00	Sunbeam.....	2.50	Yellow.	
J. H. Manley.....	4.00	Morning Glory.....	1.50	Dorothy Whitney.....	5.00
Oriole.....	2.50	Mrs. Joost.....	1.25	Buttercup.....	3.00
G. H. Crane.....	2.00	Daybreak.....	1.25	Gold Nugget.....	2.00
Jubilee.....	1.50	Wm. Scott.....	1.25	Eldorado.....	1.25
Portia.....	1.25	Crocker.....	1.25		
		Mermaid.....	2.00		
		Floriana.....	1.50		

GRAFTED ROSES.

Our grafted roses are fine, bushy plants and grown in 3 and 3½-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. Send for Catalogue.

J. L. DILLON, Bloomsburg, Pa.

Rooted Cuttings. Verbenas, 25 var., good ones, 60c per 100; \$5.00 per 1000. Heliotrope, good varieties, \$1.00 per 100. \$5.00 per 1000. Coleus, all the best, 70c per 100; \$6.00 per 1000. Ageratum, 60c per 100; \$5.00 per 1000. Salvia, \$1.00 per 10; \$8.00 per 100. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Pelargoniums, \$2.25 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write **S. D. BRANT**, The Clay Center Florist, Clay Center, Kansas.

Please mention the American Florist when writing.

American Beauties

We have a fine lot in 2 x 2½-inch that will be ready to go out early in March. Get your order in at once and we will send you fine stock and guarantee satisfaction.

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Chrysanthemums...

American Novelties. Also a complete line of Australian, English and French varieties, both new and standard sorts. For prices and descriptions address

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SPECIALTIES

ROSES, from 3-inch pots, **In Best**
CARNATIONS, for all delivery, **Varieties**
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

Prices Low. Send for List.

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

Mrs. Fisher Best standard white for summer flowering. Strong rooted cuttings, \$1.25 per 100; \$10.00 per 1000.

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Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

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Box 228. KENNETT SQUARE, PA.

Julius Roehrs

RUTHERFORD, N. J.

Grower of

Palms, Bay Trees, Box Trees

—AND—

Decorative Stock.

'MUM STOCK PLANTS.

Strong plants, carefully packed, of the following varieties at \$4.00 per 100; 60c per dozen: Bonnaillon, Robinson, Modesto, Murdoch, Childs, Glory of the Pacific, Ivory, pink and white, Montmort and Wanamaker. **Stevia**, stock plants from bench or pots, \$5.00 per 100; 75c per dozen. We are headquarters for Carnation, 'Mum and **Stevia** cuttings in season.

John Brod, Wholesale Florist, NILES CENTER, ILL.

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DAHLIAS. POT ROOTS.

Ten Gold Medals Awarded 1903. Pot-roots for shipment at once. Every section including the popular Cactus Pahlia at \$4.00 per 100 in 25 sorts. Better and newer kinds at \$5.00 and \$6.00 per 100. Terms: Cash with order.

HOBBIES LIMITED, Dereham, Eng.
Norfolk Nurseries.

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GERANIUMS Rooted Cuttings.

50,000 ready March 15. Send for list of varieties and price.

150,000 ready April 15th. Those now in sand all sold.

ALBERT M. HERR, Lancaster, Pa.

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.

Oceanic, N. J.

The Willowmead orchidry furnished 100 Cattleya Trianae to the recent W. C. Whitney funeral in New York. At the houses now are Oncidium splendens, Cattleya Percivaliana and Trianae—the trade price of which was 85 cents at the holidays—Vanda coerulea and a scattering of C. labiata, which are resting. Trouble still is experienced with the Mexican thrip in the formosum house, but it is kept under by constant fumigating. Dr. Kitcher is satisfied best results are only to be obtained with the last named variety by constant renewal, otherwise the bloom will be later and later each season, it finally becoming impossible to get the plants into bloom on time. Still he has individual plants that have been growing for a number of years. Sweet peas and carnations have been added to his list.

Michael Doyle goes this week from the employ of Miss Maud Adams, the actress, to the superb new houses put up by the Pierson-Setton Company for Dr. Leslie D. Ward, of Madison. Dr. Ward has without exception the finest equipment in this section and Mr. Doyle is to be congratulated upon securing so fine a post.

Alec Smith is with Benj. Douglas, Max Schneider with Geo. Merck and Tim McCarthy with E. P. Slavin on the ridge.

In Llewellyn Park Louis Parker, formerly with Thos. Taylor, is now with A. B. Jenkins under George Von Qualen.

Oscar Carleson, formerly with Paul Wilcox, Montclair, is now with Mrs. Jennings, of Fairfield, Conn.

Jos. B. DAVIS.

The eighth annual ball of the Monmouth County Horticultural Society was held in Red Men's hall on February 12, and was the grandest affair of the season. Over two hundred were in the grand march and about 250 guests were present. The hall was beautifully decorated with garlands, flags and flowers, and around the picture of Abraham Lincoln was a beautiful wreath of poinsettias donated by G. H. Hale. Refreshments were served at twelve o'clock. Some of the boys got home just in time for breakfast. The committee of arrangements was composed of W. W. Griffiths, J. Yeomans, G. H. Ashworth, G. B. Kuhn and H. A. Kettel.

PITTSFIELD, MASS.—James G. Hayes and W. J. Connors have formed a partnership and will engage in the florist business, beginning to-day. The young men will have greenhouses on Seymour street, and are to open an office on Summer street.

THE AMERICAN FLORIST CO.'S
DIRECTORY for 1904
IS NOW READY.

And contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies and Horticultural Supply Concerns of the United States and Canada.

Hundreds of New Names and Addresses.

Price Two Dollars, Postpaid.

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Asparagus Plumosus Nanus

2 1-2-inch stock in fine shape at \$3.00 per hundred.

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PALMS, FERNS, FICUS.
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BOSTON FERNS 8 cts.

Strong bench plants, fit for 5-inch.

AGERATUM, Gurney, Pauline; GIANT MARGUERITE DAISY, White; SALVIA, Splendens, Silver Spot, Bonfire. PETUNIA, double, 15 kinds. VINCA, variegated, 2-inch, 2c.
REX BEGONIA, 4 sorts, 3½c.

Rooted Cuttings Prepared. SALVIA, Silver Spot, Bonfire, Splendens. STEVIA, variegated, 90c per 100. AGERATUM, White, S. Gurney, P. Pauline. ALTERNANTHERA, red, yellow, COLEUS, 10 kinds, 5½c per 100.

PINKS, 5 fine kinds, 75c per 100.
PETUNIA, double, 15 kinds, \$1.00 per 100.
FUCHSIAS, 5 kinds, \$1.25 per 100.
DAISY, \$1.00 per 100. Cash.

PRIMULA OBCONICA GRANDIFLORA, in bloom, 2-inch, \$1.00 per 100. No order taken for less than 50 unless ordered with other stock.

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ARAUCARIA EXCELSA. From 20, 23-25 inches high, 6 inch pots, perfect plants, 75c, \$1.00 to \$1.25 each. Extra large specimens, 8-inch pots, 28 to 35 inches high, 25 to 32 inches across, (show plants) only \$2.50 to \$3.00 each, (worth \$10.00 retail). 5¼ inch pots, 40 to 50c each.

FICUS ELASTICA. (Rubber Plants). 6-inch pots from 20 to 28 inches high, \$2.00, \$3.00, \$4.00, \$5.00 and \$6.00 per doz.

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BEGONIA PRES. CARNOT. 6-inch pots, in bud and in bloom, \$2.5 per doz. Other mixed varieties 4-inch pots, \$1.80 per doz.

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PRIMULA OBCONICA. 4-inch, in bloom, \$1.80 per doz.

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BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$45.00.

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REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

SPRENGERI, 2-inch, \$3.00 per 100.

VINCA VARIEGATA, 2-inch, \$2.00 per 100.

CARNATIONS, Queen Louise, 2-in., \$2.00 per 100.

Lawson, 2-inch, \$2.50 per 100.

GERANIUMS, 2-in. pot plants Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, \$2.50 per 100.

ROOTED CARNATION CUTTINGS, Queen Louise and Wolcott, \$1.50; Lawson and Prosperity, \$2.00; Crocker and Godeenough, \$1.25 per 100.

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We have a fine stock of the above which we will offer until the stock is reduced at the following prices:

Asparagus Sprengeri, 2-inch.....	Per 100
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Asparagus Plumosus, from flats.....	3.50
“ “ 2-inch.....	2.25
“ “ 3-inch.....	3.00
Kentia Bel., 2¼-in. pot, 8-10 in., 2-3 leaves.....	12.00
“ “ 2¼-in. pot, 15-18 in., 3-4 leaves.....	15.00
“ “ 3 -in. pot, 15-18 in., 4-5 leaves.....	18.00
“ “ 3 -in. pot, 18-24 in., 5-6 leaves.....	20.00
Latania Bor., 2-in. pot, seed leaves.....	5.00
“ “ 3-in. pot, 15-18 in., 2-3 chr. lvs.....	12.00
“ “ 5-in. pot, 18-20 in., 3-4 chr. lvs.....	20.00
“ “ 5-in. pot, 20-24 in., 4 chr. lvs.....	30.00

Sherman Nursery Co., CHARLES CITY, IOWA.

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Both Fancy and Dagger, \$1.50 per 1000. Sphagnum Moss, fine quality, 50c per bbl. Laurel Festooning, fine, heavy and hand made, \$5.00 per 100 yds. Bouquet Green Festooning, \$5.00 per 100 yds. Elm and Maple Trees, for spring planting. Cash with order or no goods shipped. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, HINSDALE, MASS.

PIERSON FERNS.

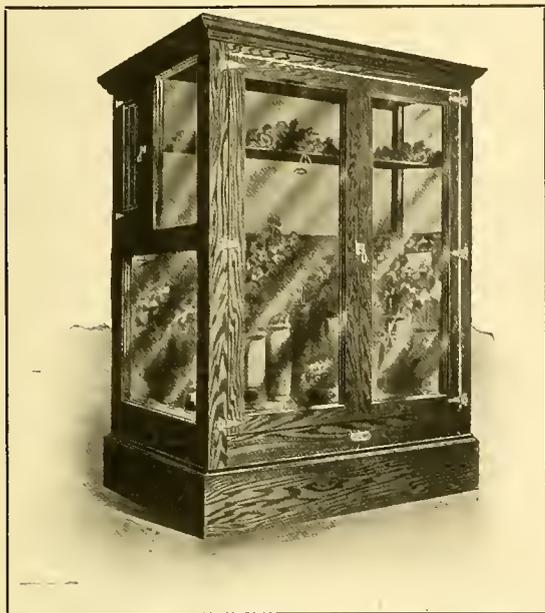
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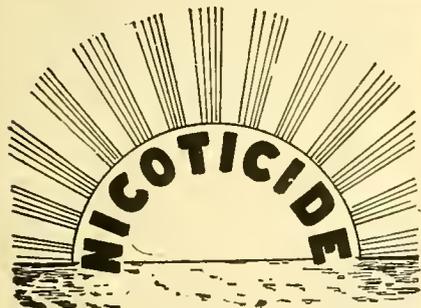
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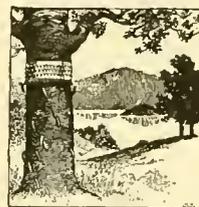
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No. 1.—Brass, nickel, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) \$3.25. Price complete (with green or white cornucopia vases) \$2.50. No. 2.—Heavy 4 ft. rod, brass and nicked, with three clasps for 5 to 6-inch pots, each \$1.75.

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Packed in small crates, easy to handle.

	Price per crate	Price per crate
1500 2-in., in crate, \$1.88	120 7-in., in crate, \$4.20	
1500 2 1/2 " " 5.25	60 8 " " 3.00	
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1000 3 " " 5.00	48 9-in., in crate, \$3.60	
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500 4 " " 4.50	24 11 " " 3.60	
320 5 " " 4.51	24 12 " " 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. Ten per cent off for cash with order. Address

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SAMPLE POT AND PRICE LIST ON APPLICATION.

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Lightning Flower Pot Washer.

Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong Plants are only grown in Clean Pots. Send for description. Sold direct \$15.00 net F. O. B. Joliet.

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FLORIST Plain, Violet, Rose
FOIL MADE BY
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THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

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CYPRESS IS FAR MORE DURABLE THAN PINE.

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USE IT NOW.

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THE ALLIED TRADES

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

JOHN C. MEYER & COMPANY now make silkline in all the fashionable colors.

THE King Construction Company has decided to locate its United States business at North Tonawanda, N. Y., and has purchased land there and completed the erection of the first building. It has been found that this is a better shipping point than Lockport and as the United States business has more than fulfilled its expectations, the firm feels justified in making preparation for carrying it on in a substantial way.

London.

The Royal Horticultural Society's first meeting of the year, held January 5, was well attended and there were some interesting exhibits. Orchids were again a prominent feature. The only awards made were for some interesting species shown by L. W. Moore, of the Botanic gardens, Dublin, who gained a botanical certificate for *Maxillaria Macrura*, *Maxillaria cucullata*, *Bulbophyllum micropetalum* and *Epidendrum Cooperianum*. Other exhibits were mostly remarkable for beautiful hybrids of *laelio-cattleyas*, *cyripediums* and *odontoglossums*. There were very few other floral novelties and the only award made by the floral committee was for *Moschosma riparium*. This recent introduction from South Africa is sure to become a popular winter flowering plant. Some good *chrysanthemums* were shown. Harry Whateley, a sport from *Niveus*, pure white with narrow florets and well filled flowers, is certainly a fine late variety. *Allman's Yellow* was again well shown, also *Winter Cheer*, a deep-colored variety of *Mme. Felix Perrin*. *Jacobinia coccinea* and *Jacobinia Chrysostephane* were seen in well flowered plants. Evidence of the mild season was seen in the exhibit of Alpine and other hardy plants by Messrs. Cutbush, which included several things in flower from the open ground. The society continues to increase in strength, fifty-two new fellows being elected on the above date.

The new French market at Covent Garden, in the large hall which has been built specially for the sale of imported flowers, which was opened a few weeks ago, is now beginning to assume a busy aspect. It is a most commodious building and it will be more fully appreciated later on, when the ordinary flower market is quite unequal for the immense quantities of produce which pour in from all sources from early in April onwards until the London season is past. Just now all market trade is very quiet. Pot trade is at its worst. It would appear, however, that growers do not despair, for in many of the nurseries I have lately visited I find active preparations are already being made for a busy spring trade.

It appears to be very uncertain what will be done with the beautiful garden at Wisley, but Chiswick is evidently doomed and now wears a most desolate and forsaken appearance. It is not without some regret that we see the last of this old institution, where many of us have passed some pleasant hours and gained useful experience. There will be many readers of the AMERICAN FLORIST who have also some kind regard for Chiswick.

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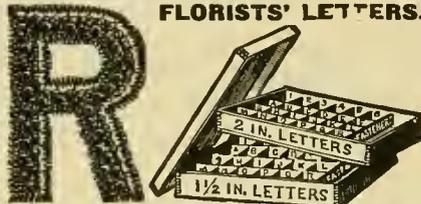
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BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets third Tuesday of each month. October to March inclusive. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, Mass.

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.

BUTTE, MONT.—Montana Florists' Club, 45 W. Broadway. First Saturday in each month. D. E. Law, Sec'y.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third 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. Murphy, Sec'y, Sta. F., Cincinnati, O.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and third Monday of each month, at 8 p. m. Isaac Kennedy, Sec'y, Westpark, O.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Sec'y.

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.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Sec'y, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Chas. M. Webster, Sec'y.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Tuesday of each month at 8 p. m. J. F. Coombs, Sec'y.

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.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Redstone, Sec'y.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Tuesday of each month at St. Charles Hotel club rooms. H. V. Hunkel, Sec'y.

MINNEAPOLIS, MINN.—Minneapolis Florists' Club, West Hotel. First Thursday of each month, at 8 p. m. C. F. Rice, Sec'y, 123 N. Sixth 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 Crosse street.

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Vol. XXII.

CHICAGO AND NEW YORK, FEBRUARY 27, 1904.

No. 821.

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NINETEENTH YEAR.

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Odontoglossum Crispum.

[Read before the Horticultural Society of New York by E. O. Orpet.]



Anyone who has seen *Odontoglossum crispum*, the finest of all the orchid family, thriving and flowering freely, will at once become a convert to its charms. It was my good fortune early in my gardening career to be employed where was at that time the best private orchid collection in cultivation. Not that the collection was the largest, though seven large houses were devoted specially to orchids, but it was rich in fine varieties, for no poor ones were tolerated. The bulk of the plants were a part of Chesterton's famous collections, and among them the first finely spotted varieties began to be found. Even at that time they were worth their weight in gold. When inferior varieties appeared, they were packed and sent to the auction rooms while in flower and sold, bringing a fair price as plenty of people were less fastidious, merely seeking a healthy plant that was established or likely to bloom. Since that time, some twenty or more years ago, the popularity of the *Odontoglossum crispum* has been steadily on the increase in Europe, but has made very little progress here in the United States, the general opinion of cultivators who have tried their best with but little success being that the hot summers are fatal to these plants that grow just below the frost line at an altitude of 6,000 feet. Yet other subjects from that same region thrive here and are seemingly perfectly happy. It is the purpose of this paper to explain some of the reasons why failure is so common and to suggest a few trials of a form of treatment different from that usually given, the same having been tried here and proved worthy of adoption elsewhere.

It has been our custom to read with avidity all published information concerning the needs of *odontoglossums*; naturally this has been gathered from European sources. It is very remarkable, up to the time of the adoption of leal mould in the potting compost, how very similar were the methods of cultivators. They were all traveling on a dead level. Here and there individuals shone out as exhibitors or growers who attained a greater perfection than their fellows, and in many instances the attempt was made to account for this superior culture by visitors who were

much interested commercially or other wise. The sarcastic remarks of Linden when replying to some of these are still fresh in memory.

It will be well, perhaps, before going any further, to burst the leaf mould hubble, and relegate it to the place where "Jadoo" peacefully reposes. We have tried the leaf mould carefully and were at the time anxious to get all there was in it for the plants. They were tried in it for nearly a year, but before the end of that period it was seen to be very injurious. The plants all had "wet feet," the compost having decomposed so rapidly as to wash down and clog the drainage. This very nearly finished the plants. Many have not yet recovered, but all suffered as did the cattleyas tried in similar material. It must not be imagined that these trials were made in a haphazard manner. All potting and subsequent watering was done with my own hands and with judgment, with the result that nothing is now used but *osmunda* root fibre, and there is no better material to be had here or elsewhere.

There is altogether too much stress placed upon the component parts of a compost for orchids. Cultivators have yet to be weaned from the idea that seems all pervading, that the roots take up from the potting medium food for their sustenance as other classes of plants terrestrial. The one only instance that memory brings is that of the grower who planted orchids in some mechanical substance such as asbestos, and by judicious watering with plant foods in the liquid state attained surprising results. The great value of our *osmunda* root, lies in its indestructibility, and remaining a sweet and healthy rooting medium for years. It is said to be rich in potash, but this is very slowly available, not nearly sufficiently rapid to sustain the plants during growth, to say nothing of the drain upon their vitality during the flowering season. Hence we were forced to the conclusion that something was lacking, that the tens of thousands of orchids annually imported were being literally starved to death, for it may be pretty surely understood that though air plants, air alone will not feed them, and being air plants soil will not make them vigorous.

After experimenting in various ways with water containing nitrate of soda and ammonium sulphate, we could see that there were good results derived but the need was ever felt of a formula that was based on the exact needs of the

the plants, one that would eliminate the element of uncertainty as to strength of solution. It was at this stage that Cookson published his formula in the *Orchid Review*, and he stated that by its use on plants separated by its use merely—otherwise on the same bench—he could easily pick out the ones his gardener had applied it to, and in the light of our experience this is easily believed.

The formula Cookson recommends is three ounces of nitrate of potassium, two ounces of ammonium phosphate by weight, dissolved in three gallons of water. One liquid ounce of this solution is used to each gallon of water applied to the plants. In practice this is worked out by filling large tanks with water and dissolving the chemicals therein, using pounds instead of ounces, then attaching a pump to the faucet and watering with hose in the usual way. This is only in summer, for in winter odontoglossums are in need of little water and they are watered when dry with the watering can about once a week during the mid-winter months. The intention is to keep the plants on the dry side always and this brings me to the consideration of another essential feature in the successful culture of the plants.

Some time ago in the *Orchid Review* we were told by a collector who had resided in the famous Paclio district of Bogota for the purpose of collecting large quantities of odontoglossums to be naturalized under similar climatic conditions in Jamaica, that he had experienced dry periods there of as long duration as four months, and he had noticed the plants became shrivelled and dried to such an extent during the drouth that one would hardly expect them to survive the ordeal. Probably in our greenhouses they would not recover, but it gave us a clue to a radical change of treatment that was tried first in a tentative way and then adopted wholly, with surprising results.

We have always been led to understand that an atmosphere and compost kept as nearly as possible at the saturation point was essential, and to carry out this idea sphagnum moss was used freely in the potting compost and also as a surfacing, the idea prevailing that if the sphagnum were made to thrive the plants would likewise. It is scarcely necessary to add that this is an imported theory and worthy of mention merely that it may be set aside as altogether misleading. Sphagnum moss is too retentive of moisture at all seasons to admit of its use in the culture of plants that require to be kept on the dry side at any time. It may be used for masdevalias and cypripediums as an index to the amount of moisture present in the compost, but never with *Odontoglossum crispum*, as it is too retentive of moisture during the dull winter months, causing decay of the roots and consequent ill health of the plants if not their actual loss.

Another important feature of cultural detail is worthy of consideration. All the growth of odontoglossums is made during winter, and if we wish to benefit them, we must pay all attention to them during active growth. A structure with a north aspect is an essential in the hot months but is the least desirable place from October to April. Indeed we can date our success from the day the plants were first taken out of the north house to winter in lighter and warmer quarters. It is a well known and recognized fact that all plant growth is at a standstill when the temperature is at 45°

Fahr. If we increase to 50° and keep away all sunshine matters are not improved so far as the plants are concerned, for the growth made lacks that substance that the vital influence of sun and air only can bestow. Therefore it has been found necessary at the end of October to take all the plants up out of the cool house and place them in a position where they can have all the air and sun our climate will allow during winter, keeping the night temperature between 50° and 55°. At the cool end of the house it stands at 52° without great variation for three months, and towards the middle of March it is best on bright, warm days, such as we sometimes experience, to provide some slight slat shades on the glass roof to prevent too rapid evaporation by the admission of too much air to keep down the temperature. Before April the sun will be high enough to act beneficially on the north house and the plants are removed thence for their summer sojourn. The roller shades are not used at first but merely the movable slats are placed on the roof until the hot



Odontoglossum Crispum.

days of late spring make them necessary. At this season the plants are in full bloom and present a display not equaled by any cultivated plant for charming variety of color and form, for if we import 1,000 plants of *Odontoglossum crispum* from the wilds we may certainly count on receiving 1,000 varieties that differ from each other. Even the individual blooms on the same spray differ from one another in the marking or potting.

It is not wise to allow the flowers to remain too long on the plants as they are apt to be weakened thereby to such an extent as to make the ensuing growth late in the commencement and puny in its completion. During the heat of summer the plants that have bloomed are at rest, or to be more accurate, are recuperating from their past efforts and need little attention save watering as often as they become dry. We never spray overhead at any time. It is apt to cause decay if moisture lodges in the young growths, but the requisite moisture in the atmosphere is kept up by frequent damping of the walls and paths, the plants all being placed on raised stages

so that a free current of air can circulate above and under them at all times.

The season of repotting commences at the end of the hot months. The plants will, many of them, begin to grow fast and when the new growth is about half made, new roots are freely produced and the addition of new compost is of great benefit even though a larger pot is not necessary. Nothing is used for potting material except the very best of osmunda root fibre, not pulled apart, but sliced in slabs about one inch thick, the earthy matter shaken out and then cut into pieces square or triangular to fit around the plant and inside the pot, making the whole as firm as possible, as when thus complete, there is little danger of too much water being held in suspension by the mass and consequent souring of the same ensuing. By the elimination of moss, careful watering at all times, the addition of some slight chemical or animal stimulant to the water, intelligent use of heat and air and, above all, the admission of all possible sunlight to ripen and firm the tissues of the growing plant, the cultivator will be rewarded with a wealth of bloom in its season that will make all past care a pleasure from the knowledge of work well done.

PALMS AND FERNS.

Seasonable Notes.

It is a fact well known to growers of extended experience that a palm that has been given plenty of light and proper ventilation, and is also well established or even pot-bound, will endure much more hardship and exposure without injury than a plant of the same species that has been grown under more liberal conditions. But such a plant becomes light colored in stem and leaf, and the cautious customer is likely to claim that such a palm is not in a thrifty condition and consequently is not worth the price, the result being that the growers are compelled to follow the fashion and produce palms of an evenly dark tint of foliage. In order to keep up the coloring of the leaves without over-stimulation of the roots with strong fertilizers, it becomes necessary to begin shading the palm houses quite early in the season, the earliness of this operation depending to a great extent on the quality of the glass with which the greenhouse has been glazed, but in most cases it will be found needful to shade the west side of the house by March 1, and in some seasons shading may be in order a week or two earlier.

There are numerous water paints that have been offered for the purpose of shading greenhouses, though there are very few, if any, that are entirely satisfactory where one needs shading from early spring until late in the autumn, as is the case where palms are grown for the trade, and the best preparation seems to be an oil wash or thin paint, and the medium for spreading the color may be either naphtha, gasoline, turpentine or kerosene, the use of linseed oil being avoided partly on the score of expense and partly because a linseed oil paint stays on the roof too long. Naphtha and gasoline are very light and quick drying oils, the last being an advantage in applying shading material to a greenhouse roof, but it must also be remembered that these oils are highly inflammable and consequently are somewhat dangerous to have in storage about the place. A successful formula for a cheap

shading material, composed of whiting, white lead, kerosene and boiled linseed oil, was published in THE AMERICAN FLORIST during the early part of last season, and although the frequent and heavy rains of last summer gave the shading a severe test, yet it gave good results, and the writer proposes to use the same preparation during the coming season. But from the fact that kerosene paint does not dry very rapidly, it is best not to apply it at any time that a heavy rain may be expected within twelve hours. Speaking of shading materials reminds us of a mixture that I think was first recommended by the late Peter Henderson, and that is useful where a very light shade is required, the mixture being simply boiled linseed oil and turpentine in the proportion of one quart of the former to one gallon of the turpentine. This preparation dries quickly and breaks the sun's rays without obstructing the light to any great extent.

At this period of the year there is also room for discretion on the part of the night fireman, for the days are lengthening quite rapidly, and as the sun rises earlier there is less fire needed in the early morning, for the temperature of the houses runs up rapidly on a bright morning. It is quite a natural process that the temperatures should fall at about day-break, and the sturdiest plants are usually those grown under natural conditions in regard to temperature, even though we may attempt to improve on nature in the matter of soils. Young plants of both palms and ferns do not always show strongly marked habits as to growing and resting during their first year, and we sometimes find that seedlings of certain plants may be induced to continue in growth throughout practically the whole of their first twelve months, while others seem to present marked periods of growth and resting, whether the plants are old or young. As an example of the fact that some seedlings may be induced to continue in growth for a whole year or more and afterward revert to their regular periods of growth and rest, we may cite a certain lot of seedling ferns, *Pteris scaberula*, a species that is naturally deciduous, and is consequently little grown for commercial purposes. The lot in question was potted off during the summer and continued in growth for the following winter, but positively refused to grow during the second winter, thus reverting to their natural habit of growth after one year's abnormal growth. The fixed characteristics of growth that have been found in so many plants may be illustrated by referring to a lot of seedling *Areca lutescens* that were potted off late in the fall, these failing to show any effort at growth throughout the winter, though exposed to proper conditions of temperature, light and moisture, the seedlings in question actually resting for between three and four months before they started up another leaf.

A decided interest has been awakened during a few years past in the outdoor garden and herbaceous plants in general and as this taste advances there will doubtless be further inquiries for plants that are adapted for the hardy garden and also for coolhouses. The first call for plants for the hardy garden comes in the form of a demand for showy perennials, and for these there will always be a large demand, but as the public becomes more interested in plants and gardening there will come a demand for a greater variety in both flowers and foliage, and rarity and beauty will also be included in



HARMONIE HALL, DETROIT, WHERE CARNATION CONVENTION WILL BE HELD, MARCH 2-3.

the necessary qualifications. As this demand for hardy and half hardy plants increases it seems highly probable that some of the hundreds of varieties of ferns that are adapted for such purposes will be more sought for, and that there will be a recrudescence of a branch of trade that was not unknown thirty years ago, though apparently asleep for the past two decades.

Several varieties of *Asplenium Felix-femina* are very beautiful and perfectly hardy, there being both crested and tasseled forms among them, while even the ordinary type of this fern such as may be found by thousands in some parts of our country are well worth naturalizing in the hardy garden. Then there is the common bracken, *Pteris aquilina* that throws up its bold fronds to a height of four and five feet when growing under favorable conditions, and *Pteris semi-pinnata*, this being not entirely hardy and best adapted for cool house culture. Also the native osmundas, all three of which are worthy of a place in a hardy garden. *O. regalis* being the strongest in growth, while *O. Claytoniana* and *O. cinnamomea* are more dwarf but equally pretty.

The nephrodiums that we used to know as *polystichums*, *N. aculeatum* and *N. acrostichoides* are also excellent and are both hardy for some degrees north of Philadelphia. And one of the prettiest cool house ferns, and in fact nearly hardy, is *Asplenium Goringianum pictum*, some times called the "painted fern" from its bright pink stems and variegated foliage, and really one of the most interesting

(though deciduous) ferns that has been brought from that land of pluck, Japan.

Our neat little native, *Asplenium ebenium* may also well be included in the list of hardy ferns, and some of the many forms of *Polypodium vulgare*, those singular ferns that we used to know as scolopendiums, should also be numbered among the chosen. Most of these ferns may be grown in a well protected frame, preferably on the north side of a building, as in such a location it is not necessary to shade them in summer, nor are they likely to dry out so badly, and if the pots are plunged in sand, cocoa fibre, or coal ashes the dormant ferns are more likely to come through the winter in good condition.

W. H. TAPLIN.

Nephrolepis Piersoni.

Having heard several complaints of late from persons having trouble with this variety sporting back or throwing Boston fern leaves, we wish to state our experience, hoping that this unnecessary alarm will not injure the popularity of this beautiful fern. In our experience with several thousand Pierson plants we find they require a very rich soil after they get started to grow. We use ordinary carnation soil, one-half rotted cow manure. After they get the pot filled with roots they will stand feeding often and at no time should they be allowed to suffer from want of water. Plenty of room and light are also very important. It seems to be the impression that too high or low a temperature is the cause of this sporting back, but we

are satisfied this is not the case, having tried them in temperatures from 45° to 75° and had no trouble except with a few that got pot bound or stood too close to the steam pipe and died off frequently. While we do not pretend to be authority on this subject we would advise anyone having any trouble with Pierson ferns to give them better soil and see that they never dry out. You will soon have them looking different and the imperfect leaves may be cut off. Piersoni do not lift well from the bench if very large. If you want fine, large plants keep them in pots and plunge the pots in soil or moss.

DAVIS BROTHERS.

WITH THE GROWERS

August Von Boeselager, Mt. Clemens, Mich.



August Von Boeselager is a young man, born in Germany twenty-seven years ago. He came to this country at the age of nineteen and engaged in florist work with M. Ullenbruch, Port Huron, Mich., with whom he remained three years.

Leaving there he took a position with McCrea & Cole, Battle Creek, Mich., remaining with that firm two years. Wishing further to broaden his knowledge of greenhouse work, and particularly the culture of carnations and violets, he engaged with Robert Klagge, Mt. Clemens, Mich. In the spring of 1902, thinking that he had acquired sufficient knowledge of the business to justify him engaging in that occupation on his own account, he purchased seven acres of ground on Gratiot avenue, just outside the town limits of Mt. Clemens. On this property he built, in April of that year, three greenhouses 22x100 feet and one 12x100 feet. A substantial brick boiler room was also built and an eighty horse-power steam boiler installed. Encouraged by his success in these houses with violets, carnations and chrysanthemums the first two seasons, he determined to add to his glass area and last fall built another house, 22x100, in which he will grow roses. He has now the material on the ground to build another house 33x100, which he will devote to violets, with which he has been eminently successful the last two seasons. Mr. Von Boeselager has joined the Detroit Florists' Club, and is very popular with its members.

J. F. S.

Sweet Peas Do Not Flower.

ED. AM. FLORIST:—I planted a bench of Blanche Ferry sweet peas last September and they show no sign of blooming yet. The stocks are robust and from three to four feet high. I would like to know how long it will be before they bloom so that I may decide whether to throw them out.

J. R.

If the seed was sown last September the plants ought to commence flowering about the middle of February and continue until the soil is exhausted. If the stocks are robust it would not be advisable to throw them out now at the beginning of the blooming period after growing them all winter, for they are sure to flower very soon.

G.

WORCESTER, MASS.—H. F. Littlefield will add 10,000 square feet of glass to his plant in the immediate future.

THE CARNATION.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

Registered by Jerome A. Suydam, Flatbush, N. Y., Alarm. Pure white without any tint of any color at any season of the year. A cross between Flora Hill and Daybreak; size three and one-half inches, on an excellent stem, well formed flowers and nicely fringed.

A. M. HERR, Sec'y.

AT DETROIT.

There will be a number of new candidates at Detroit March 2 and any grower who wants to get some idea of the novelties should attend the meeting. There are plenty of good hotels. Nothing has been said about any certain one but it is likely that the Cadillac will be sort of headquarters. There will be a committee having this matter in charge and they can help all arrivals out on both hotel matters and how to get to the meeting hall.

A. M. HERR, Sec'y.

Gov. Wolcott.

We wish to add a good word for Carnation Gov. Wolcott. To prove what we say, we send a photograph taken the night of February 1. Alongside of Flora Hill, Norway, Queen Louise, Innocence, Her Majesty, Lorna and White Cloud, it is by far the best white with us, in every way; it is more productive, has longer stems, stiffer stems, larger flowers, finer form, pure color, is fragrant and leaves nothing to be desired. It is a grand keeper. When comparing the photograph with others, bear in mind that between December 1 and January 1 every available shoot was taken for cuttings. We also send a picture of a bench of Lawson in the same house, which is the best we have ever seen. By actual count, if we had nothing but Lawson and Wolcott we would cut six times as many flowers as we do now, these varieties holding less than one-eighth of the space. Both Lawson and Wolcott are remarkably even, averaging three and one-half inches in diameter and on good, long, stiff stems, while some other kinds are poor under the same conditions. Compared with Norway, Wolcott will produce a flower in less than one-half the time. There are about twenty kinds in this house, the main object being cuttings for plants for our catalogue trade. The plants were

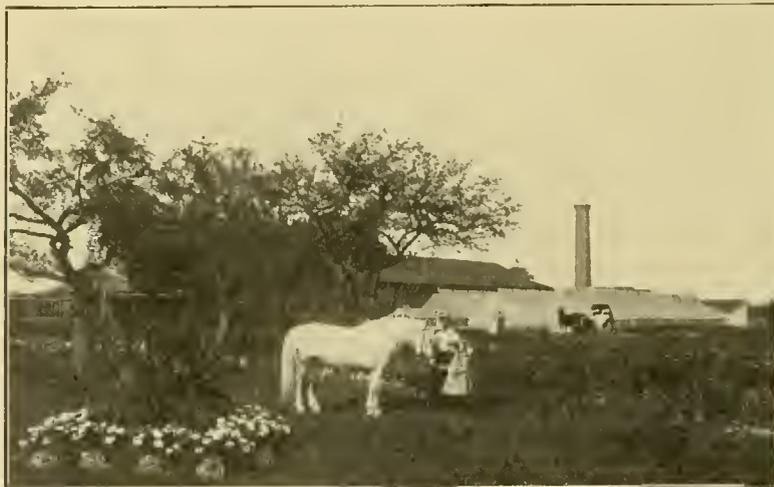
benched August 16 and were very small, being rooted cuttings May 10. Every flowering shoot was stopped up to October 10, it being the desire to produce early cuttings. Between October 10 and December 1 the shoots were allowed to form flowers. After December 1 everything available was taken for cuttings. Interesting was the record of blooms coming in as regards time. All varieties were stopped until the same day as above. First Wolcott was ready to cut, then Manley, Dorothy, Mrs. Joost, Flora Hill, Harry Fenn, Crane, Adonis, Cressbrook, Queen Louise, Roosevelt, Lawson, Mermaid, Golden Beauty, Innocence, Her Majesty, Harlowarden, with Norway last. Although Norway is a giant among the rest in growth, Wolcott brings four times the flowers Norway does. Wolcott appeared December 10, Manley December 15, the rest following in succession as named, Lawson being in about January 15—20, Norway February 10. Accordingly it takes Wolcott two months, Lawson three, Norway four to come into flower. The house was run in the fall at 52° at night; since January 1 at 55°. No tobacco, smoke, or insecticide has ever been used in this house, and the plants are to-day as clean as could be.

FRED. WINDMILLER,
Supt. Livingston Seed Co.

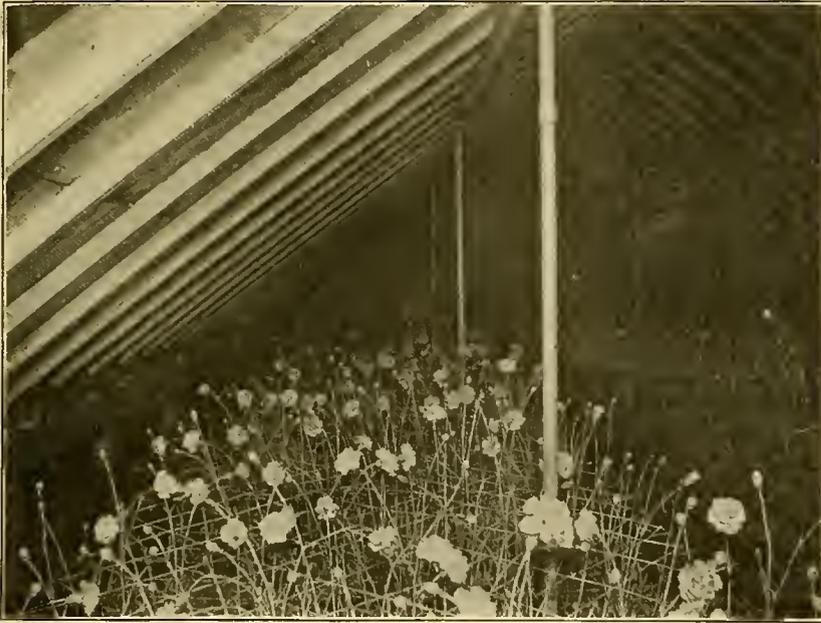
Carnations at Cottage Gardens.

The carnation houses at Cottage Gardens, Queens, N. Y., always interesting, are especially so at this season of the year. Hybridizing has been persistently followed up for years, and records of results of investigation and experiment to trace and determine the laws regarding lineage and the transmission of characteristics have been carefully kept. One has a right to expect, after the years of diligent application to this special work, some interesting or striking development, and the visitor who goes with this object in view will not be disappointed. Seedlings are at all times interesting, but when, as in the present instance, their ancestry for several generations back is in evidence and certain peculiarities of habit or behavior are distinctly traceable, they become doubly so.

It is not the purpose in these notes to say much regarding the newer varieties, those under three years' existence, although these are undoubtedly the most interesting of all to the visitor, for as



ESTABLISHMENT OF AUG. VON BOESELAGER, MT. CLEMENS, MICH.



CARNATION GOV. WOLCOTT, AT THE LIVINGSTON SEED CO.'S, COLUMBUS, O.

everybody now knows there are very few carnations produced from seed that do not recede from the quality displayed in the first year, and many undergo so great a change before the third year, which is supposed to fix them fairly well, that they are unrecognizable. The influence of Prosperity, Lawson and other less notable varieties of recent introduction that may be fairly given place as progenitors of distinct forms, is seen in many of the new seedlings, and some of the crimson progeny of many generations of all-crimson parents have the blood so thoroughly infused with the color that the stem-joints and contiguous foliage are actually purple.

Among the named varieties of present or prospective introduction there are two crimson of noteworthy quality, Octoroon and The President. The latter, which has a tinge of maroon in its texture, is superior in the qualities that go to make up an exhibition flower, and will class readily among the fancies, but in blooming qualities and points that appeal to the commercial grower perhaps Octoroon will excel. Gov. Bliss will make a good substitute for Manley, which shows a tendency to become striped and is hardly large enough for the present taste. Ethel Ward is a very pleasing pink, softer yet deeper than Scott. It appears to be a heavy bloomer and the stem is exceedingly sturdy. Judge Hinsdale is a lovely Solferino, striped pink and white. Golden Eagle is well named as to color. The petals are edged with a tiny thread of red, in the manner of a picotee.

A variety of which Mr. Ward is particularly proud is marked No. 30, 1900. It is of the loose-flowered type, mottled and dotted white and rose, three and one-half inches across the flower, and has glaucous foliage of giant size and strength. Christmas Eve is a scarlet of scarlet lineage and eminently satisfactory as a bloomer at Christmas, the date when scarlets must make their supreme effort. Pink Harry Fenn has the make-up of Harry Fenn and Lawson color. It is a good one. White Roosevelt is a big deep-fringed, dashy flower and the foliage is strikingly blue. Another white

that looks like an every-day bloomer is Mackinac. Its best time is from October to March. Among the standard varieties Lawson is easily first. Nothing finer can be imagined than a house full of this variety which has yielded a large profit steadily through the season, and is still a perfect sheet of splendid bloom. Enchantress, too, has given grand results.

Mr. Ward says that hereafter he shall grow all his carnations continuously under glass, as he finds this method preferable in every particular. Begonia Gloire de Lorraine is still a standard holiday specialty here, Lonsdale's light pink variety being esteemed the best. Another bi-product is Asparagus retrofractus, a most beautiful tufted species unapproachable as a chandelier drapery, but unfortunately of too slow growth to be very profitable to the grower.

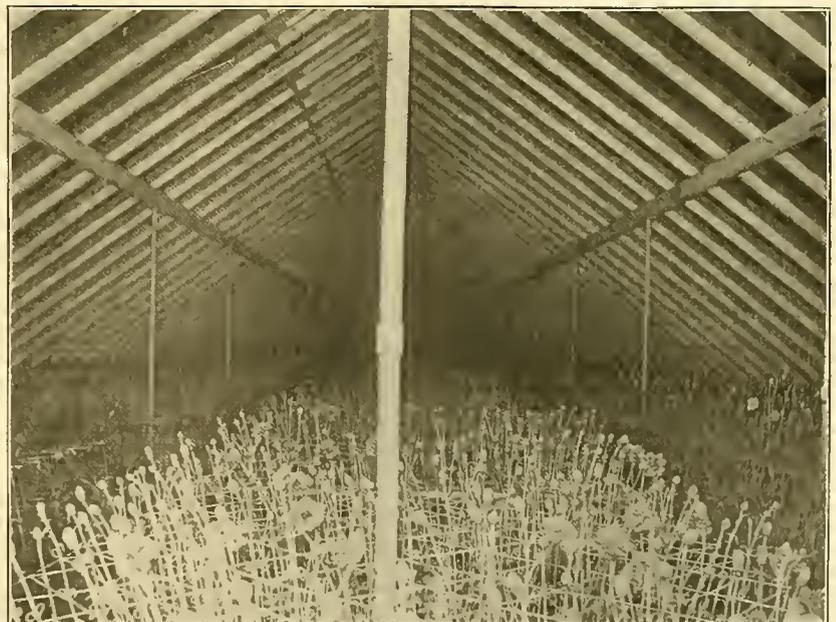
THE ROSE.

Watering and Ventilation.

The importance of proper attention to water and air in rose culture has been emphasized scores of times, but in my opinion it should be emphasized again. You may have good houses, good soil and every convenience to grow good stock, but if you don't treat your plants right in regard to water and pure air you will not have much of a success. At this time of the year the plants will stand more water than in previous shorter and darker days. Do not let your plants get very dry when in crop, as the roots at this stage are very tender. Let them get slightly dry and then give them a good watering that goes through to the boards. When out of crop keep them a little drier but do not let them be too dry and then overwater them. This will produce soft foliage, mildew and poor flowers. Keep a sharp lookout that the temperature of your houses doesn't run up too high in the morning. Open the ventilators slightly when the mercury reaches 65° for the tea roses and 70° for American Beauty and increase the opening as it gets warmer. Have your boiler started in good time so the houses don't run down too fast in the afternoon. Sudden changes in temperature are as bad as irregular watering. N. O.

About La Detroit.

There is no doubt that few roses of recent introduction have been more talked of than La Detroit. As with other new offerings there is a feeling of doubt whether or not it will prove worthy of trial. This is natural, and only time tells the story. So, too, with La Detroit. In the last few years there have been several new roses introduced that have proven worthy and have been added to the list to stay. The reason for this is that there is a demand for them, and as long as there is a diversity of taste among the consumers this fact will exist and the demand for something new will increase. Our growers want great variety in roses. Bridesmaid leads in



CARNATION MRS. LAWSON, AT THE LIVINGSTON SEED CO.'S, COLUMBUS, O.

pink, but other varieties in pink are constantly added. We all agree that Bridesmaid, Bride, American Beauty and Liberty are the four leading roses in cultivation to-day, and we hope they will exist for a long time to come. The interest, however, centers in something new.

La Detroit has proven it has the qualities necessary to make it popular. Its pleasing color and delicious fragrance are points much in its favor. Notwithstanding the worst season ever experienced in our vicinity it continues the good work, and far exceeds other roses under the same conditions. We are positive that it can be grown by all growers. It needs no experimenting. All plants that we are growing are on their own roots and March cuttings. La Detroit is in a class by itself. It is sometimes compared with Bridesmaid. We think that it is not quite as full as Bridesmaid, but its fragrance, freedom of growth and lasting qualities far exceed any points it may lose in that direction. We quote the words of a prominent Buffalo dealer: "La Detroit specials are grand and should easily be classed with American Beauty; its lasting quality is fine."

In conclusion let us wish that as many as can will avail themselves of the opportunity to attend the carnation meeting at Detroit, March 2-3, and in conjunction visit Mt. Clemens to see La Detroit. THE DISSEMINATORS.

A House of Easter Hydrangeas.

Two special attractions are seen in the accompanying illustration. One is the hydrangeas themselves which appear just right for the eager Easter market and the other is the grower thereof, proudly contemplating the results of his handiwork and industry. The view is taken in the plant houses of W. K. Harris and the complacent gentleman in the aisle is none other than Mark Mills, foreman for the Bard of Kingsessing, who has been with Mr. Harris for twenty-five years, a man of sweet and voluble discourse but also of untiring energy; a man who couldn't exist as a subordinate and whom even his master can't handle when he strikes a gait. Mark is a hustler and has enough Easter-plant erudition in his head to fill a big hook. Hydrangeas, to be in good shape for Easter, should now be well under way.

English Market Plants.

Cyclamens.—These are now one of the leading features in our English flower markets. We get them in early in September and they last well on until we get warm weather, but it is just now (January) that they are at their best. The prices vary but for well finished plants a profitable return may always be made. About the top price for well finished plants in the ordinary market size (4½-inch pots) is eighteen shillings per dozen, but larger stock may go up to thirty shillings. One grower, Mr. Orpwood, of Uxbridge, who makes these a specialty, is one of the earliest to bring them in and holds on through the season. He has had some grand stock this season and I think his system of growing may be taken as a guide. He relies chiefly on his own selection for seed, but adds some from others who are reputed to hold the finest strains. The seeds are sown in July. A cool, shady position is selected for the seed pots. I may add my own experience to this and say I have found



HYDRANGEAS AT W. K. HARRIS', PHILADELPHIA, PA., APRIL, 1903.

(Foreman Mark Mills in path.)

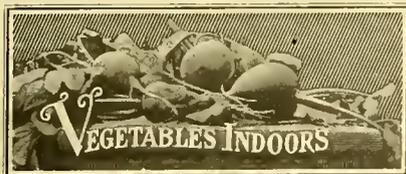
fresh sphagnum moss chopped up fine and sand added to it is the best material for surfacing the seed pots. This retains moisture and allows the seedlings to get through freely. They will be well started by the middle of August and the following few weeks are the most favorable of all the year for making growth. Nice little plants will be established before the winter comes on us. Fairly cool treatment is observed throughout. Cyclamens may succeed in various composts, but it will pay to use the best fibrous loam procurable. To this may be added some leaf mould, which has previously been prepared by mixing some soot with it. This, in addition to being a good stimulant, will destroy worms or other insects which are sure to abound in the best leaf mould. The time of potting may vary. Some may be in their small pots in the autumn, but mostly they will be ready early in February; that is, if they have been pricked off in the autumn. About fifteen to twenty plants in a 5-inch pot will usually give them sufficient room to stand over until they make a fresh start in the new year. After potting singly a slight bottom heat and a cool surface will give them a better start than a high surface temperature. The time for potting on into larger pots will be better indicated by the roots than the tops, for sometimes they do not make much foliage in the early part of the season. But the roots must not get cramped up. Potting at the right time is an important factor. After they are in their flowering pots they should be well exposed to the light and stood on a moist bottom with a good circulation of air above. In the summer a pit under a north wall where they get the full benefit of the light and are not exposed to the direct rays of the sun is most suitable, but if they have to be grown where shading is necessary, the shading should never remain on except just while the sun is most powerful. Watering is, of course, a most important element. While it is dangerous to let them get too dry, over-watering is equally damaging. Careful attention is the mainspring of success in cyclamen culture. New soil, clean pots, and above all a clean house to grow them in are

needed. If thrips once get established in the buds, failure is certain. If the houses are thoroughly washed down and all the staging and ground surface well watered with weed-killer before taking the plants in there will be less risk. But it is also advisable to fumigate well after the houses are filled with plants. In finishing the plants off for market they may have a little more warmth to bring the flowers well up. It is most important to give them sufficient room to avoid the leaves getting drawn out. Any stray flowers that appear before there is likely to be enough for a good show should be removed. The strain most favored by market growers is the giganteum and only the most decided shades of color are appreciated.

Cocos Weddelliana.—Seeds of this useful palm have been rather scarce for several years, but it seems likely to be plentiful this season. Some good samples are already to hand and these seem likely to be followed by larger importations later on. Those offered by Protheroe & Morris at their auction rooms have sold readily at eighteen shillings per 1,000. When samples are good the first consignments are always quickly cleared up, and more especially after there has been a shortage the previous season. It is expected later consignments will be procurable at a much lower price. Formerly we rarely got the bulk of cocos seed over until the end of March or well into April, but the fact that early samples command best prices has made importers wake up, and they lose no time after the seeds are ripe. HORTUS.

INDIANAPOLIS, IND.—A flower show is being planned to be given by the school children next fall. The exhibition will be conducted by the Civic Improvement Association. The flowers will be grown by the children.

ALTON, ILL.—In a fire here February 23 which destroyed the McPike hall Joseph Krug, the florist, who occupied the center store room lost everything. The damage was about \$1,000, not insured.



Market Gardening.

W. W. Rawson's formula for a successful market gardener is, a school and business education, a partial college education, a capital of \$10,000 and, most essential of all, a practical experience.

The demand for winter lettuce is on the increase each year, but southern competition has made the price very uncertain and the profits elusive for the greenhouse-grown crop.

W. W. Rawson, of Arlington, Mass., is quoted as saying that a forcing house built seven years ago at a cost of \$7,500 has yielded \$10,000 each year.

Various Notes.

A pest known as the Mexican fly is giving serious trouble to some Massachusetts cucumber forcers this season. The insect is white, not larger than a pin head and when in flight in myriads resembles a snow storm. Cucumber and tomato vines quickly succumb to their attacks. Hydro-cyanic acid is fatal to them but its use in a house of young growing crops is exceedingly risky, as the plants are equally sensitive to the gas.

The present season has been the most trying one ever experienced by the vegetable forcers. The consumption of coal has been enormous, and, owing to the extreme cold, many wholesale produce houses have been declining to handle cucumbers on account of the danger from freezing. Prices received for cucumbers

have not averaged more than forty per cent of what they were last winter. Tomatoes have, on the other hand, brought record prices.

On account of the severity of the cold this winter, cucumber growers have found the work of hybridizing by bees extremely difficult. During the coldest spells it has been necessary to hive the insects in the boiler rooms.

Deutzia Lemoinei.

This beautiful deutzia, a hybrid between the ever-popular *D. gracilis* and *D. crenata*, is well worthy of a place in the list of desirable Easter-flowering shrubs. The deutzias are hardy and should be left outside until about eight weeks before Easter, that giving sufficient time in which to flower them properly. They should be started at a temperature of 50° and afterwards advanced to 60° beyond which they should never be allowed to go as a higher temperature than this for even a single day will spoil them. The illustration shows a group of *D. Lemoinei* as forced by W. K. Harris of Philadelphia for Easter, 1903.

Bougainvillea.

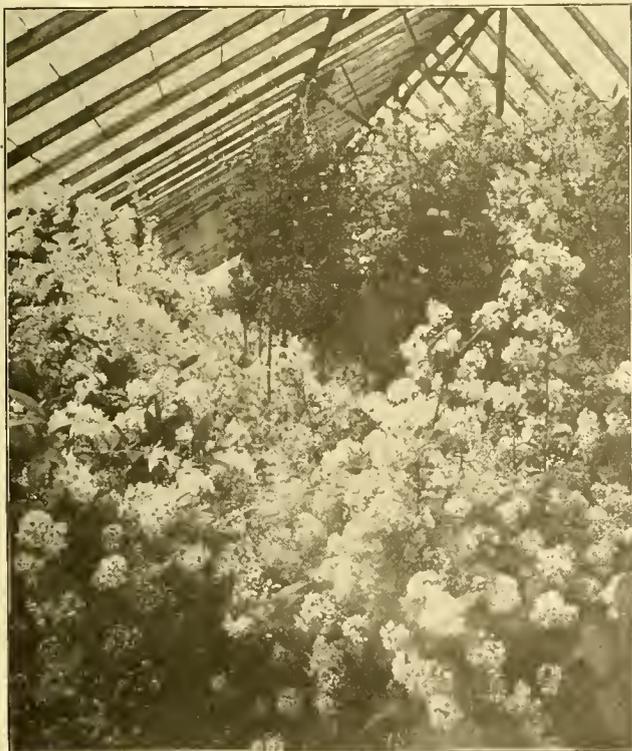
Bougainvilleas, to give any satisfaction as Easter bloomers, must have been kept cool and dry throughout the fall and early winter so that the wood is thoroughly ripened, a condition absolutely necessary to the setting of flower buds. It is now time to set them at work, with plenty of light and abundant water, in a temperature of 70° by day and 65° by night. If the plants are set up on pedestals so that the air and light get free access to the lower branches these will flower clear down to the pot giving much more desirable and salable plants.

MISCELLANEOUS.

New York Florists' Club.

The annual dinner of the New York Florists' Club took place at the St. Denis Hotel, Saturday evening, February 20. It was the seventeenth in the series and in many respects a duplicate of its predecessors, yet it was different. The galaxy of old war horses that in by-gone years never failed to be in their places at this annual event, and let themselves loose for a big "hurrah boys," was not there. But two or three out of the whole party could claim association with the dinners of the club's early days. A new and younger element has shouldered the responsibilities and the joys of the occasion and it must be confessed that they are much more sedate and quietly dignified than were their illustrious predecessors.

The menu was of the usual high-class provided at the St. Denis. An excellent orchestra contributed freely of musical selections and undoubtedly many a diner enjoyed his meal all the better for the welcome announcement that only two or three were to be called on for speeches. The cigar course having been reached, President Traendly called upon ex-president Patrick O'Mara to respond to the toast of "Our Night." Mr. O'Mara was inclined to be reminiscent in his remarks and there was a note of tender recollection when he referred to the many once familiar faces now missing from the board. He spoke appreciatively of such affairs as this where hospitality and good cheer cement the bonds of fellowship and mutual respect is engendered. In reference to the coming year he urged that all pledge their loyalty to the man whom they had chosen to sit in the executive chair, willing to do what they are asked to do and anxious to do something use-



Deutzia Lemoinei



Bougainvillea Sanderiana.

ful whether asked or not. He said that never from its inception till the present time had the organization stood on a higher pinnacle than it stands at present.

Alex. Wallace was the next speaker, his toast being "The Horticultural Press." He spoke facetiously of his natural timidity in presuming to stand before so intelligent a body of men and speak on such a lofty theme. He referred to the grave and gay duties borne by those responsible for the horticultural press and their many opportunities to befriend the craftsmen battling against adversity and said that "it is not what goes into a paper, but what you keep out" that counts in good management.

John H. Taylor said a few pleasant words and, speaking as one of the two or three original members present, said that he was glad to participate and pledge his fealty to the workers who had now taken up the burden, and that while a little indulgence in retrospect is all right we must look forward and not backward if the best usefulness is to be attained. A number of merry entertainers filled in the time between the speeches with dialect songs, recitations and story telling and added greatly to the pleasure of the occasion.

Buffalo Florists' Club.

The carnation show was a success as far as attendance and good blooms were concerned. Great interest was shown in the exhibition. The weather made the shipments late and some did not arrive until the next day and after the judging was over. The new varieties that were noticeable were Mrs. M. A. Patten and Nelson Fisher from Peter Fisher; The Cardinal, a rich red, large, beautiful flower, sent by R. Witterstaetter; Flamingo, shown by L. E. Marquisee; Albatross, white, also from Mr. Marquisee; Crusader and Harlowarden from the Chicago Carnation Company; Indianapolis, from Baur & Smith, which looks like a good, extra fine Scott. Palmer & Son had Red Lawson, which is a fine flower and will be sure of a mark at Detroit. They also had Enchantress and Lawson. There were blooms of Ethel Ward, Judge Hinsdale and The President from the Cottage Gardens; C. T. Guenther, of Hamburg, N. Y., had a nice lot of Enchantress, Lawson, Bradt, Morning Glory, Prosperity, Roosevelt and Crane which showed well for our local growers. F. G. Lewis, of Lockport, had Mrs. Roosevelt, which was a good flower. It is very near Lawson and one has to look pretty hard to see the difference. He also had Harlowarden. Wise Brothers, of East Aurora, had Lawson and Enchantress and also a grand bunch of 100 violets. The Governor Wolcott shown by C. T. Guenther was by far the finest white shown, in my estimation.

The judging was done by Prof. Cowell, C. T. Guenther, Chas. Sandiford and Geo. McClare. The following varieties were scored by a committee of the Florists' Club:

The Cardinal, 91 points, shown by Witterstaetter.
 Red Lawson, 88 points, shown by W. J. Palmer & Son.
 The President, 89 points, shown by Cottage Gardens.
 Crusader, 85 points, shown by Chicago Carnation Company.
 Mrs. Patten, 86 points, shown by Peter Fisher.
 Judge Hinsdale, 88 points, shown by Cottage Gardens.
 Ethel Ward, 87 points, shown by Cottage Gardens.
 Nelson Fisher, 88 points, shown by Peter Fisher.
 Indianapolis, 85 points, shown by Baur & Smith.
 Albatross, 87 points, shown by L. E. Marquisee.

Flamingo, 91 points, shown by L. E. Marquisee.

Among the out-of-town florists present were, C. T. Roney, Jamestown, N. Y.; Gus. Baur, Erie, Pa.; Edward N. Button, Fredonia, N. Y.; F. G. Lewis, T. Mausfield, Jas. White and C. L. Dole, Lockport; M. Bloy, Cleveland, O.; H. J. Wise, E. Aurora, N. Y.; Jerry Brookins, Orchard Park, N. Y.; C. T. Guenther, Hamburg, N. Y.; F. G. Knight, N. Tonawanda, N. Y.; Paul Berkowitz, Philadelphia, Pa.; J. Dobbie and E. A. Butler, Niagara Falls; Wm. Gammage, London, Ont.; Mr. Miller, Bracondale, Ont.

At the meeting in the evening Mr. Gammage read a paper, which, while not very long, was to the point and called forth many questions which he was ready to answer.

A good cold lunch was served at Wm. F. Kasting's in the afternoon and Mr. Scott, Mr. Kasting and a few others had Mr. Gammage as their guest at dinner at the Genesee. BISON.

Tarrytown Horticultural Society.

The regular monthly meeting of the Tarrytown Horticultural Society was held in the Vanderbilt building, Tuesday evening, February 23, and was largely attended. The monthly prize, given this month by F. Gibson, was won by H. T. Kastberg, gardener to the Misses Masters, Dobbs Ferry, N. Y., for the best bunch of fifty violets. Other competitors were, President Ballantyne, J. Bradley, I. Bryan and others. Mr. Bryan exhibited a fine bunch of Princess of Wales single violets, each flower measuring two inches in diameter. A splendid vase of the new Daheim carnation, shown by the F. R. Pierson Company attracted a great deal of attention, with its massive and heavy flowers of the deepest and most beautiful shade of crimson scarlet, measuring over three inches across. Mr. Pierson tells us that one good feature about it is that it never bursts its calyx.

Miss Blanche Potter, of Ossining, N. Y., was elected a life member of the society. A. Brown and Fred Koenig, of Tarrytown, were elected active members. Frances Pammer, of Tarrytown, one of our most prominent landscape gardeners, gave a very instructive lecture on his travels through Europe last summer, in which he portrayed with beautiful illustrations the different kinds of gardens and places of interest to the horticulturist in Italy, Germany, France, Switzerland and other countries. It was very much appreciated by all the members present. After Mr. Pammer had finished and a hearty vote of thanks, had been tendered him, coffee and sandwiches were passed around and the entertainment of the evening commenced, with songs and recitations by Messrs. Scott, Lee, McFarlane, Malony and others, accompanied on the piano by Mr. Walquist. This was the first entertainment given after the regular meeting and everyone agreed that it will be a very good way to get a better attendance, and bring the members closer together. T. L.

Rules Governing Exhibition of Novelties.*

The following rules governing the exhibition of novelties have been submitted by the exhibition committee of the New York Florists' Club and adopted by that body:

RULE 1. For any exhibit of any new variety of florists' flowers or plants the committee would make it absolutely necessary that the initial exhibit of such flowers

*These rules may be of much value to other clubs in planning for local exhibitions of novelties.—Ed.

or plants be made at the regular meeting of this club, and the exhibitor of said novelty shall give at least ten days' notice in writing to the secretary before the meeting at which he proposes to exhibit.

RULE 2. Any one showing a novelty with the intention of obtaining the club's endorsement in any way the committee may recommend, either as a certificate of merit or a medal or both, shall conform to the rules laid down by them for their guidance as herein stated.

RULE 3. Any exhibit of a novelty in the shape of cut flowers at the regular meetings, if considered of sufficient merit by the committee, they, or a portion of them, shall visit the place where it is growing, and if, after careful examination of the same, they deem it worthy of the club's endorsement, they shall award the same; but if, in their judgment, it appears advisable to defer the same till a second visit shall be made, they shall be at liberty to so decide.

RULE 4. Points of importance that must be considered in judging novelties, 100 points, as follows:

20 points for color.
 15 points for form.
 15 points for size.
 15 points for stem.
 15 points for distinctiveness.
 10 points for foliage.
 10 points for depth and substance.

In judging roses and carnations the committee shall, in their option, substitute 15 points for fragrance in the place of 15 for distinctiveness, as above.

RULE 5. When a new plant, such as will be grown in pots generally, is brought to this club's meetings, if the committee is sufficiently satisfied as to its distinctive merits and other qualities, without comparing with others of the same or nearly allied species, they shall be empowered to give whatever award of merit they may deem it worthy of without further examination. This rule to apply to new plants only.

RULE 6. Cut flowers or plants may be exhibited from any section of the country, but the committee does not recommend that a general invitation be issued for the same to be sent from sections remote from this club's headquarters, as the necessary expense and time it would incur in traveling to examine such things—as would be necessary so to do—would entail heavy loss on the committee; and, furthermore, it is the opinion of this committee that each florists' club should be applied to for examination of all such novelties in their own territory.

RULE 7. In all cases where the committee is called upon to make any award or report, when there is a minority of the same, whether favorable or not toward an award, the minority report, if possible, with the majority report, shall be entered in a regular book kept purposely for such reports, and at the same time and manner that the majority report is so entered, so that any or all the members of this club wishing to know the particulars of any special or particular report can examine the same at any of the club meetings.

The committee, after due consideration of all the points bearing upon the matter, are unanimously agreed that the expenses necessarily attending the traveling, etc., to examine such things as may be considered of sufficient merit to warrant an investigation of the plants or flowers as growing in the greenhouse shall be paid by the party requesting such; and we further recommend that if an initial exhibit be made in the club rooms, and the committee, after careful deliberation, consider its distinctive qualities sufficient to warrant further investigation, that the party exhibiting such novelty shall be notified that if he wishes the committee to go to the place for further examination he must forward the amount in cash to the secretary of this club, necessary to cover mileage, etc., for at least three of the committee. The chairman of this committee shall first ascertain what such expense would be and advise the secretary of the amount, and in no case where the money is not sent in advance shall the committee be authorized to make the visit.

In view of the heavy expense such journeys may entail upon this club, we advise the above; but we do not advocate giving any notice of the time the committee will visit any place for completing their report.

BRATTLEBORO, VT.—A. E. Whitely, of Boston, has been engaged as the successor to Donald McGillivray, florist at the Bradley greenhouse. Mr. McGillivray will leave for Newport about March 1.

THE RETAIL TRADE

A Violet Vase.

The illustration herewith shows a pretty little vase of bisque ware, which has been one of Bayersdorfer & Company's special novelties this season, and has proved a ready seller. The little fellow's robe is violet and gold and the cornucopias white. It makes a very appropriate and serviceable holder for violets, primroses or other small flowers.

Novel Dinner Decorations.

I have seen several fine dinner decorations the last few weeks. There seems to be a general tendency for customers to use their own vases and silverware for these occasions. At a dinner dance for a large party a plateau five feet across was used. This was filled with *Adiantum Farleyense* in pots with a superb silver plate in the center, with one large plant of *A. Farleyense*. The flowers used were cattleyas and *Lælia anceps*. This combination was also used on the table cloth. Small tables were furnished for the refreshments after the dance, each one being decorated with Liberty roses and *Cypripedium insigne*, arranged in silver cups won by famous horses on the race track or at the horse show.

On another similar occasion a center piece of white lilac and giant mignonette was used, a large fern dish being utilized instead of the usual basket, the handsome silver receptacle showing out here and there through the flowers. *Asparagus Sprengeri* and white sweet peas made the finishing touches, giving a white and green effect of simple elegance. At another dinner loving cups abounded. These were surrounded by 12-inch wreaths of pink carnations and *Adiantum cuneatum*, the cups being left empty.

The following arrangement was also very effective. In this case vases of hammered copper were used. These were filled with *Narsissus Golden Spur*, large bows of yellow ribbon being used to finish the effect.

Spring flowers are now here in great abundance and are being called for extensively for table work. English wall flowers and the orange colored tulips make a beautiful combination for a luncheon. Gold cords and tassels are something new for violets and are especially good tied in with violet ribbon.

THE ARTIST.

Chicago.

The Lenten season and a decided moderation in the weather the latter part of last week made it possible for a large accumulation of stock to find its way into the market. All stock hung fire for a few days and prices took a downward step. The market at the present time is not worthy the name of active. All dealers say that the week is one of the poorest first Lenten weeks in their experience. Roses are coming in in gradually increasing quantities, but the calls for them are strong enough to keep well ahead of the receipts. The better grade of roses find no difficulty in passing out of the wholesalers' hands. Prices are low enough to induce the medium grade buyers to order the best. Good Beauty, while not as scarce as formerly, are yet far from plentiful. Carnations are in admirable supply and they are moving fairly well. A slight decrease in carnation prices is noted in general with all other lines of cut

flower trade. Lilies are being sent in in greatly improved quality. The indications point to a fine supply of both callas and *Harrisii* for Easter. Bulbous stock continues to be long on quantity. Violets and valley are also inclined to hang fire. Spasmodic rallies in the shipping trade make things interesting for the wholesalers, but this week's business may be described as very quiet, particularly so with the local retail men.

Gardeners and florists employed by the park boards and by the county commissioners threaten to issue an order for a general strike. The men are aggrieved at the refusal of the county and state officials to grant their demands for an increase in wages. They are particularly incensed at the west park commissioners, as the pay of the park policeman recently was increased. At present the gardeners and florists are receiving \$60 a month. They believe that they should be paid \$75 a month and their demand is indorsed by the Chicago Federation of



A Unique Violet Vase.

Labor. There are only forty-one gardeners likely to be involved in the strike. Of these twenty are at work in the west park system, nine in Lincoln park, ten in the south parks and two at the county institutions at Dunning.

About forty members of the Florists' club with their wives and ladies enjoyed a highly entertaining bowling carnival and turkey supper at McRill's alleys on Michigan avenue, on the evening of February 20. The hosts of the evening were the members of the Roseland Bowling Club and they took care of their guests in royal fashion.

The annual convention of the Carnation Society of America is but a few days distant. Detroit will be the Mecca of all carnation lovers on March 2 and 3. The Chicago contingent promises to be larger than the delegations heretofore sent to this occasion. Many will leave for the Michigan city on Tuesday afternoon, March 1.

George Ball, formerly with Emil Buettner and lately foreman of John Brod's place, has taken a three years' lease of the greenhouse of the Harms Park Floral Company. The range consists of six

houses, aggregating 12,000 feet of glass. They will be devoted to carnation growing.

The splendid rose display shown by Peter Reinberg at the last exhibition of the Florists' Club was sold to the Consumers' Company immediately after the exhibition. The flowers were shown in the company's windows several days.

Johnson & Swan, whose store is located at Forty-seventh street and Lake avenue, incurred a loss of \$1,000 on the night of February 23, by smoke and fire in a large flat building adjoining.

John Pierson, who has had charge of the George Wittbold Company's store in the Growers' Market, has taken charge of that Company's North Clark Street store.

Bassett & Washburn are grafting 100,000 roses on manetti. They have so far potted up 35,000 and have not lost one per cent, a most phenomenal record.

Chas. McKellar reports a brisk activity in the supply business. He has been handling large quantities of fancy orchids which seem popular sale.

E. F. Winterson Company this week received a heavy shipment of good fancy ferns, an item which just at this time appears rather scarce.

Adolph Thomann, of Rochester, N. Y., formerly in the employ of the Wm. Roethke Floral Company, is now a resident of Chicago.

Peter Reinberg this week shipped a large order of his new Uncle John rose to New York to be used for a large dinner decoration.

Sweet peas of the A1 class are being shipped to E. C. Amling from New Castle, Ind.

Poehlmann Brothers Company is cutting a remarkably fine lot of *Harrisii* lilies.

L. Coatsworth was a business visitor in New Castle, Ind., this week.

F. F. Bentley was slightly indisposed the fore part of the week.

Bridesmaid roses are seen in fine quality at Weiland & Risch's.

Visitors this week and last were Wm. Murphy and Thos. Windram, of Cincinnati, O.; J. A. Evans, of Richmond, Ind.; H. Weezenaar, representing the De Nijs Brothers, Hillegom, Holland; B. Eschner, of Philadelphia; Mr. Greenlaw, of N. F. McCarthy & Company, Boston; Herm C. Kroseberg, with Wm. Edlefsen, Milwaukee, Wis.

New York.

The cut flower market is not materially different from what it was last week, excepting in the case of roses, which are coming rapidly into heavier crop and have taken a considerable drop in value in consequence. Carnations are also growing more plentiful, but are selling better as a rule. Violet receipts are very heavy, but there has been more or less temperate weather and they are disposed of in the street in large quantities, much to the relief of the wholesale market.

W. A. Kennedy, of Milwaukee, Wis., is here for a two weeks' stay. Mr. Kennedy came to attend the funeral of his father, which occurred last week at New Brunswick, N. J. He is looking over the city in company with his brother, L. Kennedy, of Yonkers, N. Y., who is gardener to Leake & Watts.

Gustave C. C. Schrader, of Elmhurst, L. I., who makes a specialty of smilax, asparagus and adiantums, is cutting some extra heavy smilax, for which he gets \$3 per dozen. Frank Millang and Bonnot Brothers are his sales agents.

C. A. Bird, of Halliman's Third Avenue store, is proud of the fact that he made three large horseshoes, one of which was composed of 1000 American Beauty roses, for Fire Chief Croker last week.

Victor S. Dorval, of Woodside, L. I., has a fine lot of La Reine tulips at the present time, which sell readily because of their deep pink color.

J. N. May, who has been seriously ill for several weeks, started on Tuesday, February 23, for Port Orange, Fla., by his physician's orders.

The next meeting of the directors of the Cut Flower Exchange will be held on Saturday, March 5, at 9 a. m.

Charles Millang is showing some fine azaleas in bloom at his Twenty-ninth street store.

Eugene Dailedonze, of Flatbush, L. I., is suffering from a severe attack of lumbago.

H. Beaulieu, of Woodhaven, has been sick all winter.

Visitors in town were H. W. Clark, Manchester, Mass.; J. S. Wilson, of Vaughan's, Western Springs, Ill.; Robert Craig and John Burton, Philadelphia, Pa.

Philadelphia.

The weather is much milder and the little warm sunshine there has been hatched out the fakirs in great numbers. The shopping districts have been lined with vendors offering chiefly carnations and daffodils, but there were also plenty of roses and violets, all offered at prices that would seem to make the general average of prices returned to the growers very small indeed. Business in the stores has fallen off considerably and prices are beginning to shade perceptibly and should the weather continue favorable the increased output will soon flood the market and lower figures will result.

Mushroom growers, and they are mostly florists who carry these as a side line, are much discouraged this season as the prices have been very low. For awhile they hardly brought enough to pay for the baskets and express. The Philadelphia Carnation Company's large house has turned out a fine crop at satisfactory prices, as they placed the most of the stock in the hands of the consumers direct. For awhile they cut from 100 to 150 pounds a day.

Wm. J. Muth, of S. S. Pennock's force, has resigned and will take charge of the wholesale business established by the late Clarence Dunn. Mr. Muth is well liked by the trade and with his experience will no doubt make a success in his new position. Mr. Pennock also loses another man, Albert Calmbell having taken a position with Edward Reid.

Washington's birthday was noticed by quite a few of the stores with cherry tree decorations, the Century Shop having a lot in 6-inch pots which they offered at \$1 each. There were quite a number of dinners of public character to commemorate the day at which there were decorations.

W. Smith, of Sixtieth and Market streets, says his stock is coming along nicely and he thinks that although started late they are all the better for it. At this place the Adonis carnation is doing fine and the stock is to be largely increased for next season.

Robert Crawford is contemplating extensive improvements in the greenhouse department at his store. The two houses are to be replaced by one large structure. Mr. Connor, of Lord & Burnham's staff has the matter in charge.

Leo Niessen is handling quantities of New York double violets and he says they are selling very well. His store is open every Sunday morning until 11 o'clock and many store keepers find it a great convenience.

The growers are now bending all their energies to getting their Easter stock in order. The sunshine of the last few days has been a great help and lilies are fairly jumping.

The exodus to the seashore resorts has commenced and quite a lot of stock is being shipped to supply the trade, particularly at Atlantic City.

S. S. Pennock is handling quantities of southern daffodils. Most of this stock finds its outlet with the side walk merchants. K.

Boston.

Cut flower values have taken a fall. Within the past few days receipts have been growing larger and the distribution smaller, and at present writing the inevitable has followed. The shrinkage includes all varieties and all grades, and stock on hand is moved with more or less difficulty, indicating a further reduction in the near future. The supply of American Beauty roses, hitherto very light, has increased perceptibly. Carnations show a large increase, some growers bringing in from fifty to sixty-five per cent heavier invoices than at this time last week. The quality is very fine, Lawson, Enchantress and other prime favorites being in evidence in as good shape as ever seen, but they are accumulating and the market is unable to assimilate it all. Daffodils, single and double, and bulbous stock generally, are in excess and hard to unload except at low figures. Violets are down also to bed rock. Harrisii lilies have experienced a slight advance, but it is not expected to be permanent, and callas are doing well. Smilax is moving all right at good prices. Sweet peas fluctuate and are, as usual, rather risky property.

A box of John Cook's two new roses, Cardinal and Enchantress, has been received here, and the keeping qualities of both, as demonstrated in the trip from Baltimore, are remarkable. The former bears a very massive crimson flower on a stem of American Beauty proportions, and Enchantress is of a clear pink color, which has the rare characteristic of continuing without fading, as long as the flower holds together.

Carl Beers, of Bangor, Me., was in town for a couple of days, looking as animated and ruddy as though he lived in New York, Philadelphia, or any other place than Maine where they have to drink rain. He brought an invoice of nineteen funeral designs for the Waterman obsequies, thus combining pleasure and profit.

A visitor this week was C. B. Weathered, of New York.

St. Louis.

The progress made in the plant departments at the Missouri Botanical Garden from 1898 to 1903 was shown by a quinquennial inventory taken at the end of 1903. It was found that 11357 varieties of plants were then in cultivation, an increase of 41.8 per cent on an average of about eight per cent each year. Of the total number in cultivation 5673 are tender plants growing in the conservatories, and 5684 are woody and herbaceous plants in the out of door sections about the garden. Among the most notable

collections are the succulents of which some 1600 are cultivated. The orchids, notwithstanding the recent severe loss by fire, number 730. In the last two years the bulbous plant section has been given special attention. A competent gardener has been placed in charge and the collection greatly increased. Of gladioli there are now 308 varieties; of dahlia 400 and of cannas 200.

Trade conditions in St. Louis are such that no one is heard complaining. This is a rare condition for the St. Louis market. Wholesale men say stock is coming in in reasonable quantities—not enough to demoralize trade, but just enough to supply the demand. Certain stock might be more plentiful, such as roses, especially American Beauty, but, as the demand has fallen off, no one is clamoring for them. Valentine prices for violets have somewhat lowered though some of the best sell for 75 cents. Romans have also fallen in price to \$1 and \$3. Not so many are sent in, but those that are are not the best in quality. Other stock remains about as last week.

The dance and entertainment given by the Florists' Club February 19 was a decided success, both in a monetary and social way.

J. J. Beneke says business is rushing with him just now. Cut stock is not greatly in demand. F. K. B.

Baltimore.

The calendar of the weather for the week ending to-day (February 23) includes the severest of the winter, followed by snows, sleet and thaws, ending at this writing with a perfect day which would be no discredit to May. Trade has been of moderate volume and is restricted largely to funeral work, most social festivities being temporarily abandoned except a few weddings. The cessation of certain lines of business, the difficulties of receiving stocks and the interruption of navigation on our bay and rivers by ice, makes a dullness which is expected to be only for a short season. Building operations are not yet begun in the burned district, pending the adoption of plans which will inure to the greater beauty, safety and convenience of our city. There is a disposition to act largely, and though there is some growling the general spirit favors taking sufficient time to formulate plans which will not have to be soon changed again and which will be comprehensive enough to create a great city. When these are ready activity will be quickened all around.

The supply of cut flowers has not been excessive, and at the end of last week all shipments were pretty well cleaned out. Good roses continue scarce, and hardly anything was in excess of daily requirements, except pink carnations. To this may now be added bulbous stock and lilies. No callas are used during Lent on the altars of the Catholic churches, which restricts their demand. To-day all white and light-colored roses were scarce. There is as yet no break in prices, and little perceptible downward tendency. S. B.

Washington, D. C.

The funeral services in the senate chamber of the capitol, February 17, to honor the memory of the late Senator Marcus Alonzo Hanna, were the occasion for many floral tributes of choice material and beautiful design. From the president of the United States to men and

women in the humbler walks of life, the universal respect and esteem for Senator Hanna was shown by the bounteous offerings of choice blossoms. President Roosevelt's tribute was a large wreath of orchids encircling a cross of violets. The senate sent a standing wreath five feet in height, of orchids, American Beauty roses and lily of the valley. The Gridiron Club sent a standing wreath of orchids and violets, tied with ribbon bearing the insignia of the club. Another handsome wreath was from the Ohio Republican Association. The last named pieces were executed by J. H. Small & Sons. A. Gude & Brother executed a large number of designs. J. Louis Loose, Z. D. Blackstone, The American Rose Company, George C. Shaffer and J. R. Freeman each had orders. In addition to the work executed here, many flowers were received from New York, Philadelphia, Chicago and other cities. At the Arlington hotel, where the Senator died, a room was filled with them, and they occupied a large space in the senate chamber, in front of the president's desk and about the casket.

Bulbous stock is plentiful. *Harrisii* in pots and cut are coming in fair quantities. It does not now appear as though there will be a great falling off in trade on account of Lent. Dinner parties, which call for large quantities of cut flowers, will continue and milder weather, which must soon come, will revive the transient trade.

The vindication of the ground hog is complete. Wednesday morning, February 17, the mercury went down to 6° above zero. Within the week we have had snow, sleet and rain.

Washington's birthday anniversary was celebrated here and on a more extensive scale at Alexandria, Va., but there was little demand for flowers.

Geo. C. Shaffer has his window decorated with long strings of smilax, grown by W. C. Brooks. As a decorative green smilax is "it."

S. E.

Pittsburg.

Business continues on the ragged edge, and it is doubtful whether it will improve until we get better weather. We are getting an abundance of sunshine. Temperature ranges from 30° above to 10° below zero, and has done so since Christmas day. There is no excess of any kind of stock, and it seems there is just enough business to take up the supply. American Beauty roses are scarce, but the few offered are of exceedingly fine quality. Fine fancy and special Bride and Bridesmaid roses continue to come in, but the cheaper grades of all kinds of roses are scarce. Carnations are good, and all kinds plentiful. Lilac, tulips, jonquils, lily of the valley and yellow and white Marguerites are fine and plentiful. Violets are good and in demand. St. Valentine's day proved the best violet and carnation day the Exchange has had since it opened.

Owing to a hitch in the agreement the Florists' Exchange has not been able to effect the arrangement that will give additional floor space, as previously announced.

B. E. Blackley has purchased L. I. Neff's Homestead store. Mr. Blackley is well known and will undoubtedly make things move.

John Boder is delighted with the progress of his Easter blooming plants. He received a large consignment recently.

Miss McKinley, of Randolph & McClements, is ill. Ed Weaver, of the same firm, is down with typhoid fever. E. L. M.

Buffalo.

Trade up to Lent was very good and Valentine's day was unusually brisk, the sale of violets and valley being far in excess of previous years. The funeral of Ex Senator Ellsworth, of Lockport, called forth a grand lot of flowers. The largest designs sent by state officers were made up by Messrs. Anderson and Palmer, the former having a six-foot column of violets and white orchids with a base of white lilac and violets. This was sent by Senator Grady, of New York. Palmer & Son had an immense wreath of pink roses from Governor Odell and an immense bunch of American Beauty. The different Lockport florists had some very large and pretty designs.

Mrs. S. A. Anderson gave a large reception at the Park club to end the party season. The decorations were very elaborate, the color scheme being yellow and red.

Mr. Elverson, of New Brighton, Pa., was a visitor at the carnation show. We were much pleased to see C. F. Christensen, of Eggertsville, N. Y., with us.

Prof. Cowell left last Thursday for Jamaica and other southern points. He was accompanied by his son and expects to be gone nearly a month.

We are sorry to hear of the serious illness of W. F. Kasting's little boy and hope to hear of a change for the better soon.

Signs on one store Saturday that made good sales were "daffodils, 25 cents per dozen; violets, 50 cents per bunch."

C. F. Schnell, formerly with Palmer & Son, is now with S. A. Anderson.

Miss Margaret Skinner is convalescing. BISON.

Indianapolis, Ind.

The store force of Bertermann Brothers Company and those of A. Wiegand & Sons had their first bowling match February 23. The Wiegand's came out ahead, Bertermann's men, however, being very game. Another contest is to come off in the near future.

H. A. Haugh, of Stuart & Haugh, read a paper, "Our Customer," at the last meeting of the Florists' Club, which was well received and was well up to Mr. Haugh's standard. At the next meeting John Rieman will speak on cut flowers.

Congratulations are in order for Bertermann Brothers' Company which will celebrate its twenty-fifth anniversary February 25. The firm will celebrate by giving a dinner to their employes in the Maennerchor hall.

Martin Brandlein has an even span house on the north side of which nearly all the lights break without apparent cause. Of the many theories advanced by Brandlein's friends none will hold good.

C. Green, for many years with E. A. Nelson, will leave for California March 1, where he intends to make his permanent home.

Huntington & Page, the largest growers of onion sets in Indiana, announce this season's business as very satisfactory.

Last week brought an unusual amount of funeral work. Flowers were scarce and brought good prices.

According to latest reports H. Tall

will take Bert Stanley's place as city gardener.

A. Baur and John Bertermann will attend the carnation meeting at Detroit. H. J.

Syracuse, N. Y.

Two greenhouses filled with palms and ferns belonging to P. R. & W. J. Quinlan, florists at 904 West Genesee street, were completely destroyed last week by a disastrous combination of little smoke, less fire and extremely cold weather aided by the streams of water from the fire engines. The loss amounted to several thousand dollars. The greenhouses were each 100 feet long. The houses were heated by what is termed the "flue system," the hot air being forced through tile pipes from the furnace at one end. How the fire started is not known. It was discovered in the workshop, which contained the furnace. By the time the firemen arrived the houses were filled with smoke, a vent at the futher end furnishing the draft. Some of the glass broke with the heat and the remainder was smashed by the firemen in their efforts to get at the blaze. Exposed to the cold, the tender tropical plants, covered with water, soon froze stiff.

Henry Morris' new store is a great improvement over his former place, affording more room and a greater opportunity for window display. His show window is prettily decorated with acacias, rhododendrons, cinerarias, crocuses and tulips. Instead of the customary pots he has them arranged in shallow pans. The stock at present is fine.

Local florists are more encouraged with the outlook for business with the approach of spring. The last three weeks have been busy ones for the men in this line, although the demand has been principally for funeral flowers.

A. B. V.

Kansas City, Mo.

Continued dark weather has shortened the supply of roses and carnations. The demand for the past three weeks has been unusually brisk and the call for white flowers from out-of-town made matters worse. Many of the calls have come from towns that usually go to St. Louis or St. Joseph, showing that a shortage existed at those points. On the whole the business has been very satisfactory. Stock is cleaned up each day. Valentine's day falling on Sunday rather helped matters, as a brisk demand for boxes was created for both Saturday and Sunday. American Beauty has been off crop for two weeks. One hesitates about booking any fair sized order of these. Local prices for the past week and for the present follow: Bride, Bridesmaid, Golden Gate, \$6 to \$10; Perle, \$6; valley, \$4; violets, \$1 to \$1.50; narcissi, Romans, daffodils, 3 cents; sweet peas, \$1.50 per 100; lilies, \$1.50 per dozen.

The Rock Flower Company reports two large wedding orders, one of which was at Hiawatha, Kan. They experienced some difficulty in shipping palms for the occasion, as the weather was close to zero.

Samuel Murray is reported to be in California for his health. W.

GLENBROOK, CONN.—The greenhouses of Wm. Heragan were damaged one night last week to the extent of \$1,000 by a fire the origin of which is unknown. A small insurance was on the property.]

THE AMERICAN FLORIST

NINETY-NINTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

DAISY COMTE DE CHAMBORD is a desirable
addition to the list of Easter plants,
but it cannot supplant the older common
marguerite, with its smaller but more
abundant flowers and effective glaucous
foliage.

EPACRIS PALUDOSA, a favorite in the
cut flower market thirty years ago, is
apparently returning to favor, being
grown in several New York establish-
ments for cut flower purposes and as a
pot plant.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

John Cook, Baltimore, Md., submits
for registration two seedling roses
described as follows: Cardinal, a cross
between Liberty and an unnamed seed-
ling; color, crimson maroon; growth
very strong; flowers large, full double
and deliciously fragrant; a continuous
bloomer. Enchantress, a cross between
Mme. Caroline Testout and an unnamed
seedling; color, pink; growth rapid and
continuous, never resting, and flowering
at every shoot.

WM. J. STEWART, Sec'y.

Providence, R. I.

Since Valentine's day we note no special
business. On that day there was a fine
call for violets and an increased cut
flower trade. The weather has now
broken up into a thaw and cloudy days,
which finds flowers generally off crop,
roses especially. Daffodils and tulips
have just begun to come in at 2 and
3 cents wholesale. Smilax is scarce and
hardy ferns are poor.

Our florist friends are doing well—for
instance, Mr. Waltham has a new boy
and Messrs. Almy, Hay and Keller have
baby girls.

Macnair's new electric sign is one of
the latest novelties. M. M.

CHESHIRE, CONN.—The Cloverleaf
Greenhouse conducted by Nettie C. Smith
has been greatly improved and many
additions made to its efficiency as a
model retail establishment for a commu-
nity of moderate size.

DAVENPORT, IA.—Victor L. Littig, the
well known attorney, who recently
became associated as the senior member
of the floral firm of Littig-Allison Com-
pany, has decided to abandon the prac-
tice of law and devote his entire time to
the floral business. The firm has bought
out the business of Charles Dannacher
and has opened a store at 207 Brady
street.

OBITUARY.

Joseph Manda.

Joseph Manda, father of W. A. Manda
and Joseph Manda, Jr., died on February
18, after a lingering illness, at his home
in South Orange, N. J. Mr. Manda was
a native of Prague, Austria, and served
as an officer in the Austrian army, being
personally commended by the Austrian
emperor for bravery in the Sicilian war.
A widow, five sons and one daughter
survive him.

Isaac W. Lozier.

Isaac W. Lozier died February 17 at
his home in Des Moines, Ia., of compli-
cated lung disease. He was 54 years of
age and had lived in Des Moines twenty
years, nineteen of which had been spent
in the florist business. He was the pro-
prietor of two stores and a number of
greenhouses. The deceased is survived
by a wife and four sons, Alfred S., Harry
J., Henry E. and Frank, and a daughter,
Mrs. Charles Winset, and a son, J. A., by
his first wife.

George Gipson.

George Gipson, president of the Suffolk
County Horticultural Society, died very
suddenly of heart failure at his home in
Islip, L. I., February 17, at the age of
64 years. He was born in Ireland and
came to this country when a boy. He
settled in Barrytown, N. Y., and was
later engaged as gardener to Mr. Diggles
at Tarrytown-on-the-Hudson, which
position he held for eleven years. He left
there to take charge of Mr. McCurdy's
place at Morris Plains, N. J., remaining
there seven years. At the time of his
death he was engaged as superintendent
for Bradish Johnson, Jr., of Islip, L. I.,
which position he had held for more than
fourteen years. He was a man of sterling
qualities and beloved by all that knew
him. He was always active in work
for the betterment of the profession he
loved so well. W. W.

ALBANY, N. Y.—The greenhouse of
Alfred Goldring caught fire about 10
o'clock the evening of February 4. It
was finally extinguished without much
damage.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 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 in green-
houses; 7 years' experience. Address
R, care American Florist.

Situation Wanted—By young single man, as
assistant florist. Address
M B, care American Florist.

Situation Wanted—By experienced gardener
on private place. Best references; married, age
30. Address ROBERT KLEBERT, Clifton, N. J.

Situation Wanted—By young lady of some
experience in floral store or in making up floral
work. Comes recommended. F N L,
care Michigan Cut Flower Ex., Detroit, Mich.

Situation Wanted—Rose grower who can raise
the largest amount of first-class flowers like
Beauty, Gate, Bride, etc. Also fine stock, grafted
or not. O V, care American Florist.

Situation Wanted—As gardener on private
place; experienced man under glass and all out-
side work; seven years in present position. First-
class references; married. Address
J. MAHER, Pomfret, Conn.

Situation Wanted—Propagator and grower of
nursery and florist stock wishes position. Has
had 28 years' practical experience in Europe and
America. Address FLORIST,
613 Mission St. San Francisco, Cal.

Situation Wanted—As head gardener in private
place; 17 years' practical experience in large
English gardens; good testimonials as to charac-
ter and abilities; age 31. married. Address
F. WESCOTT, Box 214, Deep River, Conn.

Situation Wanted—By young man age 23, as
assistant gardener in private place; six years'
experience in England, under glass and kitchen
garden. Address
J. MANNING, Balgonie, Assa, N. W. T., Can.

Situation Wanted—By orchid and palm grower.
26 years old, single, sober and capable, quick and
neat worker. Take charge of section in commer-
cial or private place. References from Germany,
France and England. Address
F M, 337 E. 67th St., N. Y.

Situation Wanted—By a thorough practical
landscape gardener; also understands the man-
agement of greenhouses, roses a specialty; full
charge of place. Have laid out three places;
references will testify. Address
Box 528, Bryn Mawr, Pa.

Situation Wanted—By experienced carnation
grower; also good grower of all kinds of bedding
and pot plants. Would like a position with an
up-to-date place as first man or assistant fore-
man. First-class references. State wages.
EAST, care American Florist.

Situation Wanted—Private place where good
cut flowers are desired. Chicago or suburbs.
Fourth year with present employer. References
from present and other employers. Married.
Age 33. Address
FRED JACKSON,
270 W. Marietta St., Decatur, Ill.

Situation Wanted—By practical energetic gar-
dener with long experience under glass bedding
stock, nursery truck and private gardens. Good
habits. Preference given to large private estate
or institution. Address
DAMARIS, Box 486, Highland Park, Ill.

Situation Wanted—As head gardener on pri-
vate place, understanding greenhouse work,
vegetables, raising trees, shrubs and general
landscaping. 29 years old. Married. Life
experience. Address
A 714, Law Building, Indianapolis, Ind.

Situation Wanted—As headgardener on private
place; 20 years' experience under glass and out-
door, drawing plans, laying out new grounds;
expert grower of roses, ferns, palms and orchids.
Strictly temperate. Address
412 11th St., Brooklyn, N. Y., care Swenson.

Situation Wanted—Expert grower of pot plants,
temperate or hot-house, including orchids; also
good grower of cut flowers. Well posted in forc-
ing, grafting and propagating; 20 years' experi-
ence; German, married, want position as foreman
or manager of an up-to-date place. Address
E C, care American Florist.

Situation Wanted—By florist, 24 years of age.
Can grow good roses, carnations, chrysanthem-
ums, bedding plants, palms, ferns and orchids.
Successful propagator and rose grafter. I am
German and have life experience. Please state
full particulars in first letter. Full charge is
wanted.
EMIL BAHNKE,
1607 Second Ave., Rock Island, Ill.

Situation Wanted—By florist and gardener,
age 30, single, German, first-class grower of cut
flowers, bedding stock and decorative plants.
Understands landscape work in all its detail;
also the growing of vegetables under glass and
outside. Would like to take charge of private
place where a good man is wanted. Good salary
expected. State wages and particulars; first-
class references. Disengaged March 15 or before.
ALBANY, care American Florist.

Situation Wanted—By florist and gardener
understands growing roses, carnation, violets,
chrysanthemums, palms, ferns, etc., general bed-
ding stock, vegetables under glass and outdoors
and hot fruits. Wants position as gardener of
gentleman's place or as florist in a horticultural
establishment. 25 years' experience and 7 years
in this country. 47 years of age. First-class
references from both countries. Private place
preferred. E S, care American Florist.

Help Wanted—An experienced, reliable man—
carnations only. Address
JOHN BARR, South Natick, Mass.

Help Wanted—Working manager; A No. 1 rose grower. State wages wanted and give references. OWNER, Box 18, Station A, Cleveland, O.

Help Wanted—Carnation grower, willing worker with ability. Married man preferred. Wages according to merit. GEO. A. RACKHAM, 880 Van Dyke Ave., Detroit, Mich.

Help Wanted—An experienced decorator and designer; one who understands packing and can wait on trade. Address Wm. CLARK, Colorado Springs, Colo.

Help Wanted—A man with a practical knowledge of cut flowers and pot plants, as assistant to foreman; references required. Address CRABB & HUNTER, Grand Rapids, Mich.

Help Wanted—Young man experienced in handling palms and ferns in greenhouse, a so competent to wait on customers. Address H. F. HALLE, 548 W. Madison St., Chicago.

Help Wanted—A single man, who understands growing of carnations and general greenhouse stock. A good propagator and to assist in sales. State wages with board and room. Mrs. JAMES LISTER, Newton, Ia.

Help Wanted—Young man with some experience in general greenhouse work. State age, experience, wages per month with board and references. Address GEO. S. BELDING, Middletown, N. Y.

Help Wanted—Young man for growing all kinds of pot plants. Must be sober and industrious. State experience and wages with board. WILLIAM ROETHKE FLORAL Co., 1717 Gratiot Ave., Saginaw W. S., Mich.

Help Wanted—Assistant, a good, sober, all-around florist; single. Must have some experience in growing roses and carnations. Address with references, state wages with or without board. HUGO BUSCH, Jefferson City, Mo.

Help Wanted—Gardener with experience in market garden. One with some experience in greenhouse work preferred. Must be a married man. Six room house furnished. Please state wages wanted in first letter. Address P. L. LARSON, Fort Dodge, Ia.

Help Wanted—First-class working foreman gardener on private place in Kentucky. Must thoroughly understand care of lawns, shrubbery, and the raising of fruits, flowers and vegetables. Address, giving experience and stating wages expected. F W A, care American Florist.

Wanted—A florist to buy part interest in a good paying florist's business and take full charge of greenhouses. For particulars address J D, Raymond St., Wheeling, W. Va.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address BAUR FLORAL Co., Erie, Pa.

For Sale—At a bargain, 4 greenhouses 20x100 feet, barn, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health. J D, care American Florist.

For Rent—Old established greenhouses with good house, barn, all utensils, tools, etc. For particulars address C E, care American Florist.

For Sale—Greenhouses; good location for local and shipping business in Michigan. Well stocked. Reason for selling, on account of failing health. H B, care American Florist.

For Sale—Over 12,000 feet of glass, all heated by steam, in first-class condition. Will sell at reasonable price. Terms to suit. Address GLASS, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. JAS. RICHARDSON, London, O.

For Sale—At a bargain. A nice home located 5 blocks from postoffice; greenhouses well stocked with up-to-date retail stock; business established for 20 years; good mail and express business. C. H. BAGLEY, Abilene, Kan.

For Sale or Lease—Fine greenhouse establishment of 10,000 feet of glass, in good condition and well stocked, with or without dwelling. Fine opening for a single man. Stock reasonable. X Y Z, care American Florist.

For Sale—Modern greenhouses, 8,500 feet of glass. Fully stocked. Long lease of land. Situated in the center of aristocratic neighborhood of the most flourishing city in the west. Failing health of proprietor cause for selling. M F, care American Florist.

For Sale—Old established greenhouses, large lot, good house and barn, together with all the paraphernalia incidental to this line of business. Sickness compels an immediate sale of this plant. No reasonable offer refused. CLARENCE E. SMITH, 145 LaSalle St., Chicago.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address SAMUEL J. BUNTING, Elmwood Ave. and 58th St., Philadelphia, Pa.

WANTED.

Position as foreman or manager in an up-to-date establishment; either wholesale, retail or mailing. Am up in all branches, catalogue marking, building, heating and growing of fine stock. 2,000,000 plants grown the past season. Three years in last place. 40 years old and a hustler. Northern place preferred. Married temperate and strictly business. Best of reference as to ability and business qualities. Address LONE STAR, 611 No. Washington Ave., Dallas, Tex.

Manager,

First-class grower, designer and decorator, very best references, wants first-class place, with fair facilities. Address

M G D, care American Florist.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

FLORISTS' AMERICAN EXCHANGE

IS OFFERING

Rare Opportunities for Beginners to acquire a substantial Footing

IF THEY POSSESS

Ability and Energy, with Very Small Capital.

Pointer No. 3.

For Sale in thriving Ohio City. Will take you in partnership with the idea of selling you the entire plant as you become able. Want no money until you are satisfied that the opportunity is worth your best continued effort. 11 Greenhouses, all built less than 3½ years. Started with \$3,300, borrowed \$2,500; have paid it all back with interest. If you are the right person, can have half interest for \$3,000. Have put up new dwelling, new delivery wagon, cost \$225 last year, new harness, good horse, everything new, must sell if possible at once. Will rent if not able to sell as owner is ordered to a different climate by physician. More information and best of references furnished to trustworthy investigators.

NOTE—IF THE POINTERS WE PUBLISH DO NOT COVER YOUR REQUIREMENTS, WRITE US FOR OTHERS. STATE EXACTLY WHAT YOU WANT. WE HAVE QUITE A VARIETY. WHEN YOU REPLY TO OUR OFFERS REFER TO POINTER NUMBER.

ADDRESS COMMUNICATIONS TO

Pointer No. 4.

For Sale—Retail department in a Pennsylvania City. The gross earnings amount to \$10,000 a year. Parties have 50,000 feet of glass which they wish to retain and co-operate with the party who may purchase city store. A few hundred dollars down with suitable recommendations will suffice. This is an unusual opportunity for an experienced and up-to-date store man. Occasioned by the death of one member of the firm. None but good reputable persons need apply and they cannot do so any too quick.

BOILERS. Have you any in good condition that you are willing to dispose of at less than first cost? Do not keep any dead capital of this nature. Let us exchange it for something useful. Send in an inventory now.

C. B. WHITNALL,

Care Citizens Trust Company, MILWAUKEE, WIS.

Please mention the American Florist when writing.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Feb. 25.

Roses, Beauty, long per doz.	3.00
" " med.	1.50@ 2.00
" " short	.50@ 1.00
" Bride, Bridesmaids	4.00@ 6.00
" Meteor, Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations	2.00@ 4.00
Smilax	20.00
Asparagus	35.00@50.00
Violets	.50@ .75
Valley	3.00@ 4.00
Romans	2.00@ 3.00
Freesias	2.00@ 3.00
Tulips	3.00
Daffodils	3.00
Dutch Hyacinths	3.00@ 4.00

PITTSBURG Feb. 25.

Roses, Beauty, specials	40.00@60.00
" " extras	25.00@35.00
" " No. 1	10.00@20.00
" " ordinary	3.00@10.00
" Bride, Bridesmaid	4.00@15.00
" Meteor	6.00@15.00
" Liberties	12.00@25.00
Carnations	.75@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus, strings	30.00@50.00
Asparagus Sprengeri	2.00@ 4.00
Sweet Peas	.50@ 1.00
Violets	.20@ 1.25
Lilies	12.00@18.00
Mignonette	3.00@ 5.00
Romans, Paper White	1.00@ 3.00
Tulips	2.00@ 4.00
Lilac	1.00@ 1.50
Pansies and Daisies	1.00@ 2.00
Daffodils	1.00@ 3.00
Freesias	1.50@ 3.00

CINCINNATI, Feb. 25.

Roses, Beauty	2.00@ 6.00
" " Bride, Bridesmaid	4.00@10.00
" " Liberty	4.00@10.00
" " Meteor, Golden Gate	4.00@12.00
Carnations	3.00@ 6.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.50
Violets	.75@ 1.00
Narcissus	3.00@ 4.00
Romans	3.00@ 4.00
Harrisii	per doz., 2.00
Calla	12.50@15.00
Sweet peas, Blanche Ferry	1.00

ST. LOUIS, Feb. 25.

Roses, Beauty, long stem	3.00@4.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.50@ .75
" " Bride, Bridesmaid	4.00@10.00
" " Golden Gate	3.00 @ 8.00
Carnations	1.00@ 5.00
Smilax	12.50@15.00
Asparagus Sprengeri	1.00@ 3.00
" " Plumosus	35.00@75.00
Ferns	per 1000, 2.00@2.50
Violets, single	.50@ .75
Narcissus Paper White	2.00@ 3.00
Valley	2.00@ 4.00
Romans	1.00@ 3.00

№1. \$2.00
№2. \$3.25
№3. \$3.75
№4. \$4.50
№5. \$5.00
№6. \$6.00

J. B. DEAMUD,

WHOLESALE CUT FLOWERS

51 Wabash Ave., CHICAGO.

PRICE LIST. Per Doz

Beauties, 30 to 36 inch stem	\$4.00 to \$ 5.00
" " 20 to 24 inch stem	3.00
" " 15 to 18 inch stem	1.50 to 2.00
" " 12 inch stem	.75 to 1.00
Per 100	
Liberty and Chatenay	6.00 to 10.00
Brides and Bridesmaids	6.00 to 10.00
Meteor and Golden Gates	6.00 to 10.00
Carnations	1.50 to 3.00
" " fancy	3.00 to 5.00
Valley	2.00 to 4.00
Violets, double	.50 to 1.50
" " single	.50 to .75
Asparagus Plumosus	per string, 25 to 50c
Asparagus Sprengeri Sprays	2.00 to 4.00
Ferns, fancy	\$3.00 per 1000
Smilax	12.50 to 15.00
Adiantum	1.00

Galdwell's Quality Counts Brand
CONSTANTLY ON HAND.

ROSES, Carnations, BEAUTIES, VALLEY.

Pittsburg Cut Flower Co., Ltd.

Wholesale Florists and Supplies.

504 Liberty St., PITTSBURG, PA.

Please mention the American Florist when writing.

— FANCY —

CARNATION BLOOMS

OUR SPECIALTY.

TELEGRAPH ORDERS FILLED PROMPTLY.

J. D. THOMPSON CARNATION CO. JOLIET, ILL.

Chas. W. McKellar,

Wholesale Commission Florist
— AND DEALER IN —
ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

CUT FLOWERS OF ALL KINDS

and Florists' Supplies.

Galax, bronze or green, 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss, Ferns.

Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, Commission Dealer,
130 E. 3rd St., CINCINNATI, O.
Telephone, 980 Main.

Please mention the American Florist when writing.

Brant & Noe Floral Co.,

CROWERS OF
Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H.G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,
AT CHICAGO MARKET RATES.

42-44 E. Randolph St., CHICAGO, ILL.

Longiflorum Lilies for Easter

Last year we had the best Lilies on this market and the stock this year, from the same growers, promises to be even better. To be sure to be supplied with first-class stock let us book your order now.

\$15.00 per 100. \$125.00 per 1000.
—500 at 1000 rate.—

All Cut Flowers in Season.

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

CURRENT PRICE LIST.	
American Beauty.	Per doz.
Long stemmed.....	\$5.00
30-inch stem.....	4.00
24-inch stem.....	3.00
20-inch stem.....	2.50
15-inch stem.....	2.00
12-inch stem.....	1.50
Short stem.....	\$3.00 to \$8.00 per 100
	Per 100
Brides and Maids.....	\$6.00 to \$ 8.00
Meteors and Gates.....	6.00 to 8.00
Liberty.....	6.00 to 15.00
Carnations.....	1.50 to 2.00
“ large and fancy.....	3.00 to 5.00
Violets.....	.50 to .75
Valley.....	3.00 to 4.10
Daffodils, Paper Whites.....	2.00 to 3.00
Tulips.....	2.00 to 4.00
Callas, per doz.....	\$1.50 to \$2.00
Harrisii.....	per doz, \$2.00 15.00
Asparagus, per string, 25c to 50c	
Asparagus Spregeri.....	3.00 to 6.00
Ferns.....	per 10 0, \$3.50 .35
Galax.....	per 1000, 1.00 .15
Adiantum.....	.75 to 1.00
Smilax.....	per doz., \$2.00 15.00
Leucothoe Sprays.....	.75

SUBJECT TO CHANGE W'WITHOUT NOTICE.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

WEILAND-AND-RISCH

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.

FRANK GARLAND,

Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION **FERNS**
GIVEN TO HARDY CUT
65-57 WABASH AVENUE,
Telephone Central 3284. **CHICAGO.**

Please mention the American Florist when writing.

A. L. RANDALL CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and Shipper of **CUT FLOWERS**

60 WABASH AVE., CHICAGO.

Telephone 3067 Central.

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.

Please mention the American Florist when writing

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **WHOLESALE GROWER of CUT FLOWERS**
A Specialty.....

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager. Wholesale and Commission **FLORISTS**
Consignments Solicited.

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Feb. 26.

Roses, Beauty, 30 to 36-in. stems	3.00@ 5.00
“ “ 20 to 24 “	2.50
“ “ 15 to 18 “	1.50@ 2.00
“ “ 12 “	1.00@1.25
“ Liberty.....	6.00@ 8.00
“ extra select.....	10.00@ 15.00
“ Chatenay.....	6.00@12.00
“ Bride, Bridesmaid.....	6.00@10.00
“ Meteor, Golden Gate.....	6.00@10.00
Carnations.....	1.50@ 3.00
“ fancy.....	3.00 @ 2.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
“ sprays 2.00@4.00	
“ Sprenger.....	3.00@ 6.00
Violets, double.....	.75@ 1.50
“ single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
“ Green, “ “ 1.00	
Adiantum.....	1.00
Fancy Ferns...per 1000	2.50@ 3.50
Smilax.....	1.50@ 2.00 per doz. 12.50@15.00
Callas.....	2.00@ 2.50 “
Harrisii.....	2.00@ 4.00
Tulips.....	1.00@ 3.00
Daffodils.....	1.00@ 3.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telegraph and telegraph orders given prompt attention.

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.

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.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

American Florist Advertisements
Work Every Day.

Leo Niessen

**Gardenias,
Freesias,
Pansies.**

WHOLESALE FLORIST,
After October 1st, Store will be open
from 7:00 A. M. till 8:00 P. M.
1217 Arch Street, PHILADELPHIA, PA.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

THOMAS YOUNG, Jr.

WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing

GEORGE SALTFORD,

WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK.

TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.

Consignments of any good flowers solicited.

Please mention the American Florist when writing

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.



N. Lecakes & Co.

53 W. 28th St., and 46 W. 29th St.

Also at

25th St. and 34th St. Markets
New York.

**ERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES**

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Holly, Princess Pine and all kinds of Evergreens.

Telephone 1214 Madison Square.

Please mention the American Florist when writing.

Wholesale Flower Markets

BOSTON, Feb. 24.	
Roses, Beauty, extra.....	30.00@50.00
" " medium.....	10.00@30.00
" " culla.....	3 0 @ 6.00
" Bride, Bridesmaid.....	3 00@ 5 00
" extra.....	3 00@12 00
" Liberty.....	4.00@ 10 00
Carnations.....	1 00@ 1.50
" Fancy.....	2 00@ 3.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies, Calla.....	8 00@12 00
Smilax.....	12.00@15 00
Adiantum.....	.75@ 1.00
Asparagus.....	35 00@50.00
Roman Hyacinths, Daffodils.....	1.00@ 2.00
Tulips.....	2.0 @ 3.00
Peas.....	.50@ 1 00

PHILADELPHIA, Feb. 24.	
Roses, Tea.....	4.00@ 8 00
" extra.....	12.00@15 00
" Beauty, extra.....	35 00@50.00
" firsts.....	16 00@25.00
" Queen of Edgely, extra.....	35.00@50.00
" firsts.....	16.00@25.00
Carnations.....	2.00@ 8.00
Violets, single.....	.40@ .50
" double.....	.50@ 1.00
Lily of the valley.....	3.00@ 5.00
Daffodils.....	2.00@ 3.00
Tulip.....	2.00@ 4 00
Freesia.....	3.00@ 6.00
Lilac.....	.50@ 2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15 00

BUFFALO, Feb. 25.	
Roses, Beauty.....	3.00@40.00
" Bride, Bridesmaid, Meteor.....	3.00@10.00
Carnations.....	2.00@ 6 00
Harrisii.....	12 5 @15.00
Lily of the valley.....	3.00@ 5 00
Asparagus, strings.....	40.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.50@ 1 00
Violets.....	.30@ .60
Callas.....	8.00@12.50
Sweet Peas.....	.40@ .75

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

SOUTHERN SMILAX.

No. 1 quality only \$5 50 per case of 50 lbs. Be
sure and try it when you want Smilax. GALAX,
bronze or green, 75c per 1000. Discount on large
orders. LAUREL FESTOONING, No. 1 quality,
4c, 5c and 6c per yard. Always on hand and large
orders filled at short notice. FANCY or DAGGER
FERNS, \$1.50 per 1000.



SMILAX and BEAUTIES CHEAP.

500 Beauties, 3 1/4-inch pots, well branched,
\$6.00 per 100.

2,000 Smilax 3 1/4-inch, stocky plants, \$2.00 per
100. Cash with order.

Quality of plants guaranteed.

**ROSEMONT GARDENS, MONTGOMERY,
ALA.**

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at
Market Prices.

Shippers of choice Cut Flowers and Greens of all
kinds. Try us.

Laurel Roping

OLIVER L. TRONNEM, Vineland, N. J.

Flowers of All Kinds.

**Write Us For
Prices.**

OPEN FROM 7:00 A. M. TO 9:00 P. M.

THE PHILADELPHIA WHOLESALE FLOWER MARKET, 1224 Cherry Street, PHILADELPHIA, PA.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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,
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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
115 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St., New York.
Cut Flower Exchange,

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.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Feb. 21.

Roses, Beauty, best.....	25.00@50.00
" " medium.....	8.00@15.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid, G. Gate	2.00@12.00
" Liberty.....	3.00@35.00
Carnations.....	1.00@ 3.00
" fancy and novelties.....	4.00@ 6.00
Lily of the valley.....	1.00@ 2.00
Lilies, Callas.....	6.00@10.00
Violets.....	25@ .40
" special.....	50@ .60
Smilax.....	10.00@25.00
Adiantum.....	35@ .75
Asparagus.....	25.00@50.00
Dendrobium formosum.....	30.00@40.00
Mignonette.....	1.00@ 4.00
Roman Hyacinths.....	1.00@ 1.50
Tulips.....	1.00@ 4.00
Narcissus.....	1.00@ 2.00
Gardenias.....	25.00@50.00
Freesia.....	10@ .15 per bun.

Charles Millang WHOLESALE FLORIST.

Conservatory connected from which can ship terms and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
TELEPHONE 250 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.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St.
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL.

WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER
GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4326 4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Etruria	1	Sat. Mar. 5, 8:00 a. m.	Mar. 12
New York	"	Luconia	1	Sat. Mar. 12, Noon.	Mar. 18
Boston	"	Saxonia	1	Tues. Mar. 1, 9:00 a. m.	Mar. 8
New York	Glasgow	Siberian	2	Thur. Mar. 3, 11:00 a. m.	Mar. 13
New York	Hamburg	Moltke	3	Thur. Mar. 3, 10:00 a. m.	Mar. 13
New York	"	Pretoria	3	Sat. Mar. 12, 1:00 p. m.	Mar. 22
New York	Copenhagen	United States	4	Wed. Mar. 2, 2:00 p. m.	
New York	"	Hecta	4	Sat. Mar. 12, 2:00 p. m.	
New York	Glasgow	Ethiopia	5	Sat. Mar. 12, Noon.	Mar. 22
New York	London	Marquette	8	Sat. Mar. 5, 9:00 a. m.	Mar. 15
New York	"	Minnehaha	8	Sat. Mar. 12, 1:30 p. m.	Mar. 22
New York	Liverpool	Majestic	7	Wed. Mar. 2, 10:00 a. m.	Mar. 9
New York	"	Oceanic	7	Wed. Mar. 2, Noon.	Mar. 15
Boston	"	Cretic	7	Thur. Mar. 3, 10:30 a. m.	Mar. 10
Boston	Alexandria	Canopic	7	Sat. Mar. 12, 6:00 a. m.	Mar. 30
New York	Southampton	St. Louis	8	Sat. Mar. 5, 9:30 a. m.	Mar. 11
New York	"	New York	8	Sat. Mar. 12, 9:30 a. m.	Mar. 10
New York	Antwerp	Violand	9	Sat. Mar. 5, 10:30 a. m.	Mar. 14
New York	"	Vaderland	9	Sat. Mar. 12, 10:30 a. m.	Mar. 21
New York	Havre	La Champagne	10	Thur. Mar. 3, 10:00 a. m.	Mar. 13
New York	"	La Lorraine	10	Thur. Mar. 10, 10:00 a. m.	Mar. 20
New York	Rotterdam	Rotterdam	11	Thur. Mar. 8, 10:00 a. m.	Mar. 18
New York	Genoa	Citta di Milano	12	Tues. Mar. 1, 11:00 a. m.	Mar. 16
New York	"	Sicilia	12	Tues. Mar. 8, 11:00 a. m.	Mar. 23
New York	Bremen	K. Wil. Der Grosse	13	Sat. Mar. 5, 10:00 a. m.	Mar. 12
New York	"	Main	13	Thur. Mar. 10, 11:00 a. m.	Mar. 22
New York	Naples	Neckar	13	Sat. Mar. 5, 11:00 a. m.	Mar. 18
New York	Genoa	Kon g Albert	13	Sat. Mar. 12, 11:00 a. m.	Mar. 25
Boston	Liverpool	Bohemian	14	Wed. Mar. 2, 10:00 a. m.	Mar. 12
Boston	"	Canadian	14	Wed. Mar. 9, 4:00 p. m.	Mar. 19

* 1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO. Pres.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND, Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABUOT
Liverpool.....	New York	Teutonic	1	Wed. Mar. 2, 4:30 p. m.	
Liverpool.....	"	Celtic	1	Fri. Mar. 4, 4:30 p. m.	
Liverpool.....	"	Cedric	1	Wed. Mar. 9, 4:30 p. m.	
Liverpool.....	"	Umbria	1	Sat. Mar. 5	Mar. 12
Liverpool.....	"	Campania	1	Sat. Mar. 12	Mar. 19
Glasgow.....	"	Numidian	2	Sat. Mar. 12	Mar. 22
Hamburg.....	"	Bluecher	3	Sat. Mar. 5	Mar. 15
Hamburg.....	"	Pennsylvania	3	Sat. Mar. 12	Mar. 22
Genoa.....	"	Palatia	3	Wed. Mar. 9	Mar. 24
Copenhagen.....	"	Norge	4	Wed. Mar. 2	
Copenhagen.....	"	Oscar II	4	Wed. Mar. 9	
Glasgow.....	"	Astoria	5	Thur. Mar. 3	Mar. 13
London.....	"	Minneapolis	6	Thur. Mar. 3	Mar. 13
London.....	"	Mesaba	6	Thur. Mar. 10	Mar. 20
Liverpool.....	Boston	Cymric	7	Thur. Mar. 3, 4:30 p. m.	Mar. 11
Alexandria.....	"	Republic	7	Thur. Mar. 3, 3:00 p. m.	Mar. 21
Southampton.....	New York	St. Paul	8	Sat. Mar. 5, Noon.	Mar. 11
Southampton.....	"	Philadelphia	8	Sat. Mar. 12, Noon.	Mar. 18
Antwerp.....	"	Kroonland	9	Sat. Mar. 5, 3:00 p. m.	Mar. 15
Antwerp.....	"	Zeeland	9	Sat. Mar. 12, 10:00 a. m.	Mar. 22
Havre.....	"	La Bretagne	10	Sat. Mar. 5	Mar. 15
Havre.....	"	La Savoie	10	Sat. Mar. 12	Mar. 22
Rotterdam.....	"	Noordam	11	Sat. Mar. 5	Mar. 15
Rotterdam.....	"	Staatendam	11	Sat. Mar. 12	Mar. 22
Genoa.....	"	Nord America	12	Mon. Feb. 29	Mar. 14
Genoa.....	"	Liguria	12	Mon. Mar. 7	Mar. 21
Bremen.....	"	Kaiser Wilh. II	13	Tues. Mar. 1 8:00 a. m.	Mar. 10
Bremen.....	"	Kronprinz Wilhelm	13	Tues. Mar. 8 8:00 a. m.	Mar. 17
Genoa.....	"	Hohenzollern	13	Thur. Mar. 3	Mar. 16
Genoa.....	"	Lahn	13	Thur. Mar. 10	Mar. 22
Liverpool.....	Boston	Devonian	14	Sat. Mar. 5	Mar. 15
Liverpool.....	"	Winifredia	14	Sat. Mar. 12	Mar. 22

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

	Per Doz.
AM. BEAUTIES, long stems,	\$5.00
" " 30-in. "	4.00
" " 20-24 "	\$2.50 to 3.00
" " 15-18 "	1.50 to 2.00
" " Short stems.....	1.00 to 1.25
	Per 100
SUNRISE.....	\$4.00 to \$10.00
CHATENAY.....	6.00 to 12.00
BRIDE.....	5.00 to 8.00
BRIDESMAID.....	5.00 to 8.00
PERLE.....	5.00 to 8.00
CARNATIONS.....	2.00 to 3.00
ROSES, OUR SELECTION.....	4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

NEW HAVEN, CONN.—Frank H. Kimberly reports that the Mrs. Lawson carnation has given him a white sport.

GALAX LEAVES, ETC., Fresh New Crop.

Galax Leaves, Green and Bronze, per 1000.	\$.60
Cut Fancy and Dagger Ferns, per 1000.	1.00
Leucothæ Sprays, Green, per 1000.....	3.00
Red, per 1000.....	6.00
Rhododendron Sprays, per 1000.....	5.00

Largest dealer in the U. S. Orders filled promptly. Send cash with order. Send 50c for a nice cane, cut from the famous mountains of N. C. Nicely varnished, crooked or straight. Mention length desired and variety of wood—hickory, rhododendron, wahoo, poplar, striped maple, etc. Grand souvenir, besides useful. Try one or more.

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

GALAX...

Bronze or green, 75c per 1000, in 2,000 ots or more. **Leucothæ Sprays**, green, 90c per 100. **Southern Smilax**, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. **Green Sheet Moss**, choice stock, \$2.50 per barrel sack. **Spagnum Moss**, \$1.75 per large bale.

FLORIST' SUPPLIES of Every DESCRIPTION.

Tel. 597 Madison Square. L. J. KRESHOVER, 110-112 W. 27th St., New York.

Always mention the.....

American Florist

when you write to an advertiser.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$1.50 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothæ Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

E. F. Winterson Co.

—Successors to—

McKellar & Winterson.

ESTABLISHED 1894.

We are handling the cut of Rudd's "PHYLLIS," the grand new pink—and new Seedling White (unnamed, but a "crackerjack") carnations. These arrive daily—get a sample shipment, but give us a day or two notice, as we sell them out as a rule in advance of arrival. Price, Phyllis, 6c; White Seedling, 4c.

FANCY EASTERN VIOLETS. The best that come into this market, \$1.00 per hundred.

EXTRA FINE HARRISII BLOOMS, 12c to 15c.

FANCY FREESIAS, 3c to 4c.

A daily supply from 34 GROWERS enables us to take care of shipping orders to the buyers' advantage.

Get our Weekly Price List. It is free and worth your while.

HEADQUARTERS FOR

Galax Leaves and all Greens.

"SUPERIOR QUALITY"

WILD SMILAX

—(NONE BETTER.)—

ALWAYS ON HAND.

We carry the most complete line of Florists' Supplies in the West. Catalogue free. Address all correspondence to

45-47-49 Wabash Ave., CHICAGO.

Orchids!

Just arrived in superb condition, a large shipment of **DENDROBIUM NOBILE**, most useful for florists; also **Dend. Chrysanthum** and others. To arrive, **Cattleya Trianae** and **C. Gigas**.

Lager & Hurrell, SUMMIT, N. J. Orchid Growers and Importers.

THE CLEVELAND CUT FLOWER COMPANY

—SUCCESSORS TO—

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Charles McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-24, 1904.

THE peanut market is said to be cornered.

VISITED CHICAGO: Patrick J. Lynch, of West Grove, Pa.

JOHNSON grass hay sells at \$13 per ton in Birmingham, Ala.

The planting season in the southern trucking sections is ten days late.

MONTGOMERY, ALA.—The Harvey Seed Company has moved into new quarters, corner Monroe and Perry streets. The business has increased to such a degree in the last two years as to necessitate a larger and more commodious building.

Free Roosters.

There is no more reason why the government, except with the sole view of introducing entirely new and greatly improved varieties, should distribute seeds to farmers than there is why it should distribute books among lawyers, sermons among preachers, lead pencils and paper among newspaper men, or hens and roosters among poultry raisers. —*Kansas City Journal.*

Buckbee Loss Compromised.

The Buckbee Seed Company loss at Rockford, which has attracted wide attention among insurance men, at last has been settled by compromise, according to the Chicago Record-Herald. The fire occurred in June, 1903, and a contest was precipitated at once by what was regarded by the companies as an excessive claim on the part of the insured. The claim went to appraisal, but the appraisers never were able to agree on an umpire. The companies named a practical seed man, while the insured named a Rockford attorney.

The insurance companies contended that the umpire must have some knowledge of seed values, and tendered nearly every well-known seed man in the country, but they were rejected by the other side. It in turn tendered men not conversant with the seed business, and these were rejected by the companies' appraiser. The insured claimed a value of \$121,875 in stock and fixtures, with insurance of \$80,500. This would make the loss total to insurance. The claim was compromised yesterday, the companies paying \$72,450, a reduction of \$49,425 from the original claim. This is on the basis of ninety per cent on the insurance.

Spanish Catalogues in Brazil.

United States Consul Walter Schumann, of Mainz, Germany, under date of December 5, 1903, sends the following translation of a letter from a gentleman residing at San Paulo, Brazil, to a German trade journal, which will be of interest also to American exporters to that country:

A Brazilian who is thoroughly acquainted with his own language—the Portuguese—will be able to understand a catalogue in the Spanish language without much trouble, both languages being closely related. Nevertheless, Spanish catalogues are not looked upon more favorably in Brazil than catalogues in the English, French, or German languages. If, however, a Spanish catalogue comes from Spain or any other country in which Spanish is the language of the country,

it is, of course, as welcome to the Brazilian merchant as a French catalogue from France, an English catalogue from England or the United States, or a German catalogue from Germany, for the knowledge of these languages is by no means a rarity among Brazilian merchants.

Should an American, an English, or a German merchant send to Brazil catalogues intended expressly for that country but printed in the Spanish language, he can almost be certain that such catalogues are thrown into the waste-paper basket without even being looked at, and that with the compassionate men of the Brazilian who pity the foreigner who thus seek to do business with Brazil and does not even know that the language of Brazil is Portuguese; or else the Brazilian merchant may even feel insulted at being addressed in any language other than his own. It is therefore advisable that foreigners wishing to do business with Brazil make use of their own language, if they are not acquainted with the Portuguese language, rather than avail themselves of the Spanish language.

New Orleans.

The last meeting of the New Orleans Horticultural Society was largely attended. The society had to give up the idea of holding a public exhibition Mardi Gras week, a suitable location not being found. A discussion on chrysanthemums was conducted by Paul Abele. Secretary Dan Newsham tendered his resignation, he having been put in charge of the Louisiana horticultural exhibit at the St. Louis World's Fair. The resignation was accepted with regret and E. Baker, with an appropriate speech, presented him with a silk umbrella. C. R. Panter was appointed as his successor. Several new members were present.

M. M. L.

New Bedford, Mass.

The regular meeting of the Florists' Club was held February 11 in the parlors of the Mansion House, after which the downtown florists and unmarried members of the club gave a supper to their associates in the organization. It was an enjoyable feature which was well handled by Host McAdam. During the business session there was an interesting discussion on carnations—their growth and habits. The annual supper and election of officers will take place March 10.

SARATOGA SPRINGS, N. Y.—The greenhouse of Chas. Ludwig was damaged by fire on the morning of February 15. Insurance on building will amply cover loss on same, but not on the plants killed by exposure.

For Sale.

25 bushels Sweet Corn. Early Minn, Kendel's Early Giant, Perry's Hybrid, Early Cary, Stowell's Evergreen, \$5.00 per bushel, thoroughly cured, will germinate 75 per cent. Purchaser to take whole lot.

THE FLORAL STORE, Auburn, N. Y.

EXTRA SELECTED LARGE ASTER SEEDS, 50c per oz., prepaid by mail. Branching white, with about 10% pink. Branching pink, with about 10% white. White, Lavender and Pink, mixed. TH. F. VAN DE MEULEN, Florist, Dunkirk, N. Y.

Dealers and Florists

Visiting Bermuda during the next 4 months are invited to visit Longbird farm and view the crop of Genuine Harrisii Lilies now in bloom, the finest ever seen in Bermuda.

Office Telephone 517, Residence 509.

R. H. JAMES, Prop., St. Georges, Bermuda.

MIXED GLADIOLUS

About one half choice Groff's Hybrids, others select from best of different strains. Large range of colors and markings.

	Per 100	Per 1000
Light and white.....	\$1.25	\$10.00
Medium and dark.....	1.00	8.00
All colors.....	.80	6.00
10,000.....		5.00

F. A. ROWE, Conneaut, O.

Chater's Hollyhock Seeds.

In six superb double colors, 75c per oz.; 40c per ½-oz. Allegheny Hollyhocks, \$1.00 per oz.; 60c per ½-oz. Finfoia Double Hollyhocks, New, \$1.00 per oz. Single Hollyhocks, 10 distinct colors, 60c per ½-oz. New Hydrangea, Jeanne d'Arc, white flowered and red branched, 4-in. pots, 40c each; \$3.00 per doz.; fine for florists. Cash please.

JOHN CHARLTON & SONS, Rochesler, N. Y.

LILY OF THE VALLEY.

FINEST BERLIN PIPS, for Early Forcing,
\$12.00 per 1000; \$30.00 per case 2500;
\$1.50 per 100.

These are strong pips, well rooted and give best satisfaction.

FINEST CUT VALLEY ALWAYS ON HAND.

H. N. BRUNS,

VALLEY SPECIALIST,

1409-1411 W. Madison St., CHICAGO.

"Once Grown Always Grown"

The Maule motto for more than 25 years. My new

SEED

BOOK for 1904

Cost over \$50,000 to publish. If you have a garden you can have a copy for the asking. Send a postal for it to

Wm. Henry Maule, Philadelphia, Pa.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, PHILADELPHIA, PA.

Please mention the American Florist when writing.

DREER'S Summer Flowering Bulbs.



TUBEROUS ROOTED BEGONIAS.

Single Flowered, Scarlet, Crimson, White, Yellow, Rose and Orange, 40 cents per dozen; \$3.00 per 100; \$25.00 per 1000.
Choicest Single Flowered in Mixture, 35 cents per dozen; \$2.50 per 100; \$22.00 per 1000.
Double Flowering, Scarlet, Rose, White and Yellow, 65 cents per dozen; \$5.00 per 100; \$40.00 per 1000.
Choicest Double Flowering in Mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

Two Great Tuberous Rooted Bedding Begonias

DUKE ZEPPELIN and LAFAYETTE

See colored illustration of these two varieties on cover of our new 1904 Catalogue; they are the most brilliant among all the Begonias and invaluable either as pot plants or for bedding.

Duke Zeppelin, Pure Rich Scarlet, 15 cents each; \$1.50 per dozen; \$12.00 per 100.
Lafayette, Brilliant Crimson Scarlet, 25 cents each; \$2.50 per dozen; \$18.00 per 100.

NEW HYBRID FRILLED TUBEROUS BEGONIAS

A unique form with flowers of immense size, with wavy or frilled petals similar to the best forms of single petunias, 25 cents each; \$2.50 per dozen; \$20.00 per 100.

GLOXINIA GRASSIFOLIA GRANDIFLORA

A very fine selected strain, strong, well-matured bulbs. Red, White, Blue, Red with white border, Blue with white border, in separate colors or in choicest mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

MISCELLANEOUS BULBS

	Per Doz.	Per 100	Per 1000
Amaryllis Formosissima.....	.30	\$ 2.00	\$15.00
Johnsonii.....	2.00	15.00	
Amorphophallus Rievierii.....	2.00	15.00	
Caladium, Fancy Leaved, 25 named sorts.....	1.25	10.00	
Choicest Mixture.....	1.00	8.00	
Esulentum, 6 to 8-inch bulbs.....	.40	3.00	
Esulentum, 8 to 10-inch bulbs.....	.65	5.00	
Esulentum, 10 to 12-inch bulbs.....	.90	7.00	
Esulentum, 12 to 13-inch bulbs.....	1.25	10.00	
Hyacinthus Candicans.....	.30	2.00	
Ismine Calathina.....	1.50	10.00	
Lilium Auratum, 8 to 9-inch.....	.75	5.00	
" 9 to 11-inch.....	1.00	8.00	
" 11 to 13-inch.....	1.75	14.00	
Lilium Speciosum Album and Rubrum, 7 to 9-inch.....	.90	7.00	
Gladiolus, American Hybrids, choicest mixture.....	.15	1.00	9.00
Groff's Hybrids, choicest mixture.....	.35	2.50	22.00
Madeira Vines.....	.30	2.00	15.00
Montbretias, 5 choice named varieties.....	.25	1.75	12.50
Tigridia Conchiflora, Grandiflora Alba aud Pavonia.....	.30	2.00	15.00
Tuberoses, Double Pearl, selected, 6 to 8-inch.....	.20	1.00	8.00
Double Pearl, fine, 3 to 4-inch.....	.10	.60	5.00

For a complete list of all seasonable Bulbs including the best list of up-to-date Dahlias, see current Wholesale Price List.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

AMERICAN FLORIST COMPANY'S

DIRECTORY

FOR 1904.

THIS 1904 Trade Directory is fully revised to date, with thousands of new names and changes of addresses. It contains 412 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada. These lists are arranged both by states and all alphabetically. It also contains lists of Firms that issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Leading Foreign Houses, and much other conveniently indexed and valuable trade information.

PRICE \$2.00 POSTPAID.

THE AMERICAN FLORIST CO.
 324 Dearborn Street,
 CHICAGO, ILL., U. S. A.

Cannas,

Strong Root Pieces, averaging 2 to 3 eyes.

<p>ALPHONSE BOUVIER. ALSACE. AUSTRIA. BLACK BEAUTY, \$7.00 per 100. BASSETT'S RED, \$3.00 per 100. CHARLES HENDERSON. CRIMSON BEDDER. DUKE OF MARLBOROUGH. EGANDALE, \$3.00 per 100. FLORENCE VAUGHAN.</p>	<p>MME. CROZY. MRS. KATE GRAY, \$5.00 per 100. PRES. CARNOT. PRES. CLEVELAND. PROGRESSION. QUEEN CHARLOTTE. ROBERT CHRISTIE. SAM TRELEASE, \$4.00 per 100. SOUV. DE ANTOINE CROZY.</p>
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UNLESS NOTED \$2.00 per 100; \$18.00 per 1000. WRITE FOR PRICES ON LARGE LOTS.

The Storrs & Harrison Co., Painesville, Ohio.

...CANNAS...

F. Vaughan, J. C. Vaughan, Egandale, Chas. Henderson, A. Bouvier, Burbank, Souv. de Antoine Crozy in variety, \$1.50 per 100; \$12.00 per 1000. **ALTERNANTHERA**, the new **Brilliantissima**, finest of all, \$1.00 per dozen; \$6.00 per 100. **BOSTON FERNS**, 2 1/2-inch, ready for 4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; **PIERSON FERN**, 2 1/2-inch, ready for 4-inch, \$10.00 per 100; 5-inch, fine, 50c. **ASP. PLUMOSUS**, 2 1/2-inch, extra fine, \$3.50 per 100. **ASP. SPRENCERI**, 2 1/2-inch, \$2.00 per 100. **CARNATIONS**, Queen Louise, R. C. \$1.25 per 100; \$10.00 per 1000. **COLEUS**, 15 varieties, 2-inch, \$2.00 per 100.

CASH PLEASE. **A. J. BALDWIN, Newark, Ohio.**

Please mention the American Florist when writing.

Cannas...

Chas. Henderson, Chicago, Papa, McKinley, Alphonse Bouvier, Florence Vaughan, Egandale, C. D. Cahos. Strong healthy tubers, 2-3 eyes true to name, \$1.75 per 100; \$15.00 per 1000.

PAUL MADER, E. Stroudsburg, Pa.

Cannas...

A collections of best varieties, dry roots at \$12.50 per 1000; 10,000 for \$100.00. Names of varieties on application.

C. G. NANZ, Owensboro, Ky.

S

UCCESSFUL SELLERS.....

are the successful growers who advertise in

THE AMERICAN FLORIST.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSEYMEN.

N. W. HALE, Knoxville, Tenn., Pres.; FRANK A. WEBER, St. Louis, Mo., Vice-Pres.; GEORGE C. BRAGER, Rochester, N. Y., Sec'y.

Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

PIPESTONE, MINN.—F. A. Ward, of the Northwestern Nursery Company, is in South Dakota on business.

READING, MASS.—Charles S. Pratt has filed a bankruptcy petition. He owes \$2,624.48 with no assets.

HAVERHILL, MASS.—Ralph S. Hosmer has assumed the duties of superintendent of forestry at the Hawaiian Islands, to which he was recently appointed.

THE present winter with its deep snow and severe temperature offers conditions liable to result in extensive damage to young nursery stock and loss to nurserymen, from the gnawing of the bark by the mice whose usual winter food is inaccessible to them. Much anxiety is felt as to what the disappearance of the snow will disclose.

SHERMAN, TEX.—Conditions were never more favorable than just at this time and the outlook for an abundant fruit crop is highly gratifying. The successive cold snaps are the best things that could happen for the fruit growers of Texas. The weather has not been severe enough to kill the trees but the cold has been sufficient to keep down the sap and retard the growth of buds.

Huntsville, Ala.

The bulk of the shipments of nursery stock from here to the north and west move in car lots to St. Louis and are distributed from there. The bulk of these shipments has gone forward. Plowing and planting operations are now being pushed forward vigorously while some stock is still being dug. The strong alluvial soil seems especially adapted for the free growth of fibrous roots and the showing of roots on young peach and privet trees just loosened by the digger leaves nothing to be desired.

It is reported that Stark Brothers will invest a large sum in establishing a nursery here. There are already three large establishments. The United States government has lately completed a soil survey of this county (Madison county) in which reference is made especially to its adaptability to growing nursery stock. The county authorities have purchased a portable stone crusher for road improvement.

LOUIS LEROY, ANGERS, (FRANCE)
 OVER 1000 ACRES OF FINEST CULTURES.
 M. KOSTER & SONS, BOSKOOP, (HOLLAND)
 REPRESENTING BEST WHOLESALE EUROPEAN NURSERIES.
 SEEDLING STOCK, SHRUBS, ORNAMENTAL TREES, EVERGREENS, FORCING PLANTS.
 SUPERIOR QUALITY, GRADING AND PACKING.
 SATISFACTION GUARANTEED.
 AUG. PHOTERT, 26 Barclay St. N.Y.
 R. J. OUDYMAN & SONS, OUDENBOSCH, (HOLLAND)
 J. PALMER & SON, ANGLANZ, (SCOTLAND)
 J. F. MULLER NURSERY, Rellingen, (Germany).
 FINEST RAFFIA AND TREE SEEDS.

NOW IS THE TIME TO ORDER

Exochorda Grfl., 18 to 24-inch, bushy.....	Per 100 \$ 8.00	Oranges, 15 to 18-inch, 5-inch pots.....	Per 100 30.00
Lonicera, 1/2 Belgica and Heckrotti, 3 to 4 feet, bushy.....	8.00	Lemons, grafted, 18 to 24-inch, 5-inch pots.....	30.00
Ampelopsis Japonica, 2 1/2-inch pots.....	4.00	Kentia Belmoreana, 12 to 15-inch, 5 leaves.....	18.00
Cedrus Deodara, 15 to 18-inch.....	25.00	Lantana, 15-inch, 3 to 4 ch. leaves.....	20.00
Cedrus Deodara, 22 to 24-inch.....	30.00	Phoenix Canariensis, 15 to 18-inch, 2 to 3 leaves, showing character.....	15.00
Oranges, best sorts, grafted, bearing size 12-inch, bushy, 4-inch pots.....	20.00	Not less than 50 of a kind at above prices.	
Ligustrum Amurense, true, 2 to 3-feet branched.....	per 1000, \$20.00		

Write for Wholesale and Descriptive Catalogue.

P. J. BERCKMANS CO., (Inc.)
 FRUITLAND NURSERIES.
 Established 1856. AUGUSTA, GA.

Please mention the American Florist when writing.

SEND TO **JAMAICA PLAIN, MASS.**

Eastern Nurseries,
FOR VINCA MINOR

FINE LARGE CLUMPS. FOR SALE CHEAP.

August Rölker & Sons,
 IMPORTERS OF
 Palms, Bay Trees, Auracarias, etc. Decorative Plants for spring delivery; Lily of the Valley, Lilacs, Forcing Bulbs, etc. for fall delivery; Raffia for Nurserymen and Florists. Address
 31 Barclay St. or P. O. Box 752, NEW YORK.
 Please mention the American Florist when writing.

Dahlias
 Mrs. Winters
 The World's Best White Dahlia.
 \$18.00 per 100.



Ingeborg Egeland, the best scarlet cactus, \$5.00 per doz. Other novelties and standards. Also 20,000 double field-grown Hollyhocks in separate colors of red, white, pink, yellow and maroon, \$3.00 per 100. Gladioli and hardy plants. Send for catalogue before ordering.

W. W. WILMORE, The Dahlia Specialist.
 Box 382, DENVER, COLO.

J. DIJKHUIS & CO.
 BOSKOOP-HOLLAND.
 QUALITY. QUANTITY.
 Ask our prices for
 AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.
 Price List Free on Application.

CALIFORNIA PRIVET.

200,000 2 yrs., 2 to 2 1/2 ft., very bushy.....	Per 1000 \$20.00
150,000 2 yrs., 18 to 24 in., very bushy.....	16.00
100,000 2 yrs., 12 to 18 in., very bushy.....	10.00
200,000 1 yr., 10 to 12 in., branched.....	9.00
200,000 1 yr., 10 to 12 in., branched.....	7.00
100,000 Cuttings, 8 in., strong.....	.80
100,000 Cuttings, 8 in., light.....	.60

Also have a large stock in Asparagus Roots, 2 yrs., Palmello and Barrs. 30,000 Canna Roots, 50,000 Tuberose Roots, 5,000 Geraniums, 2 1/2 pots, all good stock and low prices. Write for trade list.

J. H. O'HACAN, Little Silver, N. J.
 Please mention the American Florist when writing.

KOSTER & CO.
 Hollandia Boskoop, Holland.
 HARDY AZALEAS, BOX TREES, CLEMATIS, CONIFERS, HYDRANGEAS, PEONIES.
 Pot-Grown Plants for Forcing.
 RHODODENDRONS, H. P. ROSES, Etc.
 No Agents. Catalogue free on demand.
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When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.
HARDY, FANCY ORNAMENTAL NURSERY STOCK.
J. Blaauw & Co.,
 BOSKOOP, HOLLAND.
 Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain
 Please mention the American Florist when writing.

4,000,000 Peach Trees
 JUNE BUDS A SPECIALTY.
 No agents traveled, but sell direct to planters at wholesale prices. Absolutely free from diseases and true to name. Write us for catalogue and prices before placing your order elsewhere. We guarantee our stock to be true to name. Largest Peach Nursery in the world. Address
J. C. HALE, - - - Winchester, Tenn.

Send to **THE MOON** Company
 For } Trees, Shrubs, Vines
 Your } and Small Fruits.
 Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
 Morrisville, Pa.
 Please mention the American Florist when writing.

Do Your Eyes Hurt
 When you look upon the flowering of your bulbs? Why not let them shine with delight by buying your bulbs from
JOHN SCHEEPERS.
 Member of R. Schoo & Co., Bulb Growers, Hillegom, (Holland). Write to-day.
136 Water Street, - - - NEW YORK.

Philadelphia Rambler.
 The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.
CRIMSON RAMBLER.
 Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.
The Conard & Jones Co., WEST GROVE, PA.

DAHLIAS
 We make a specialty of Dahlias and grow in large quantities all the leading novelties and standard varieties. Write for price list.
WAGNER PARK CONSERVATORIES,
 Sidney, Ohio.

Heller Bros.

South Park Floral Co.
New Castle, Ind.

Cut roses from the Best
Rose Soil in America.

Bridesmaid,
Bride,
Ivory,
Golden Gate.

FOUR GRADES.

"SPECIALS" which are all the name signifies. Magnificent long stem, fine large foliage, large bud, price 10c.

"SELECTS." Almost as fine as the specials but not as long a stem, price 8c.

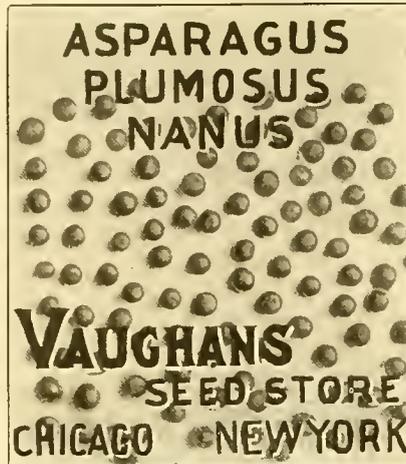
"1st." Good standard roses of medium stem, to retail at \$1.00 to \$1.50 per doz., price 5c.

"2nd." Good buds with stems 6 to 10 inches, price 3c.

Very fine **BEAUTIES.** The longest stems, \$4.00 to \$5.00 per doz. Shorter ones in proportion. We solicit sample orders.

Heller Bros.
New Castle, Ind.

SEEDS for PRESENT SOWING



WE ARE HEADQUARTERS ON THIS.
WRITE US FOR PRICES ON LARGE LOTS.

Our Seed is Greenhouse Grown, Large and Plump and of Best Germination.

- Asparagus Plumosus Nanus**, 100 seeds, \$1.00; 1000 seeds, \$7.50.
Plumosus Robustus, 100 seeds, \$1.00; 1000 seeds, \$10.00.
Scandens Dellexus, 100 seeds, \$1.25.
Ageratum, Princess Victoria Louise, trade pkt., 10c; oz., 60c.
 Princess Pauline, trade pkt., 10c; oz., 30c.
Alyssum Little Gem, true, trade pkt., 10c; oz., 25c; 2 oz., 40c.
Sweet, trade pkt., 5c; oz., 15c; lb., \$1.25.
Antirrhinum, Snow Queen, trade pkt., 10c.
 Giant-Flowered white, Daybreak, scarlet, coral red, each, trade pkt., 10c; ½ oz., 20c.
ASTER, *Truffant's Peony-Flowered*, white, pink, rose, scarlet, light blue, dark blue, crimson, each, trade pkt., 20c; ¼ oz., 35c; oz., \$1.20.
Victoria, white, pink, scarlet, light blue, dark blue, crimson, each, trade pkt., 25c; ¼ oz., 50c; oz., \$1.75. **Victoria**, mixed, trade pkt., 25c; oz., \$1.20.
Hohenzollern, white, trade pkt., 25c; ¼ oz., 65c; oz., \$2.50.
Hohenzollern, Extra Early White, trade pkt., 25c; ¼ oz., 70c.
Branching or Semple, white, rose, pink, lavender, Daybreak pink, red, purple, light blue, each, trade pkt., 10c; ¼ oz., 20c; oz., 60c.
Upright Branching, white or pink, each, trade pkt., 10c; ¼ oz., 25c; oz., 65c.
Branching, "Special White," trade pkt., 15c; ¼ oz., 30c; oz., \$.00.
Giant Comet, white, rose, lavender, light blue, dark blue, crimson, each, trade pkt., 15c; ¼ oz., 30c; oz., \$1.20.
Queen of the Market, white, pink, scarlet, light blue, dark blue, each, trade pkt., 10c; ¼ oz., 20c; oz., 50c.
Balsam, Alba Perfecta, best double white, trade pkt., 10c; ¼ oz., 25c; oz., 70c.

Vaughan's Seed Store,
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

CLEMATIS.

Large flowering, 6 distinct kinds, per doz. \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. **PEONIES**, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 100. **H. P. ROSES**, dormant, own roots, \$1.50 per doz.; \$12.00 per 100. **PANSIES**, transplanted, the very finest, \$1.50 per 100. F. A. BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

FUCHSIAS...

Strong 2½-inch plants, ready now. **LITTLE BEAUTY**, \$5.00 per 100. **LORD BYRON**, \$4.00 per 100.

S. S. SKIDELSKY,
708 North 16th St., PHILADELPHIA, PA.

- Calla**, *Devoniensis*, new, blooms in 12 months, 100 seeds, 75c.; 1000 seeds, \$6.00.
Candytuft, Giant Hyacinth Flowered, white, trade pkt., 10c; oz., 25c; lb., \$2.50.
Canna, Crozy Varieties, mixed, lb., \$1.20; oz., 10c. Pres. McKinley, Dwarf Florence Vaughan, Red Indian, Egandale, Mme. A. Blanc, Buttercup, Leonard Vaughan, Chicago, Florence Vaughan, David Harum, Duke of Marlborough, Chas. Henderson, each, per 100 seeds, 25c; 250 seeds, 5c.
Carnation, Giant Margaret, white, 1-16 oz., \$1.00; trade pkt., 5c.
Celosia, Pres. Thiers, trade pkt., 15c; oz., \$1.65. Thompsoni Magnifica, trade pkt., 10c; ¼ oz., 25c.
Centaurea, Candidissima, 1000 seeds, 25c; oz., \$1.70.
 Gymnocarpa, trade pkt., 5c; oz., 30c.
Chrysanthemum, "Morning Star," new annual yellow Margarita, trade pkt., 10c; oz., 25c.
Dahlia, Burbank's selection, an A1 strain, 100 seeds, 50c.
 20th Century, single, 100 seeds, 30c.
Daisy, Shasta, 1-32 oz., 65c; trade pkt., 3c.
Dracaena Indivisa, trade pkt., 10c; oz., 25c.
Lobelia, Bedding Queen, trade pkt., 15c; ½ oz., 25c.
 Speciosa, for hanging bskets, trade pkt., 10c; oz., 50c.
 Emperor William, trade pkt., 10c; oz., 85c; ¼ oz., 25c.
Mignonette, Machet, trade pkt., 10c; ½ oz., 25c; oz., 50c.
 Goliath, new, large, trade pkt., 25c; ¼ oz., 65c.
Mimosa, Sensitive Plant, trade pkt., 10c; oz., 3c.
Moonflower, White Seed, 100 seeds, 50c.
 Early-Flowering Hybrid, oz., 40c.
Nasturtium, Vaughan's Special Mixture of Tall oz., 10c; ¼-lb., 20c; lb., 60c.
 Vaughan's Special Mixture of Dwarf, oz., 10c; ¼-lb., 20c; lb., 70c.
Pepper, "Christmas," our own sowing, 250 seeds, 25c. 1000 seeds, 75c.
Phlox, Dwarf Snowball or Fireball, each, trade pkt., 25c; ¼-oz., 40c; oz., \$1.50.
 Large flowering white, pink, scarlet, crimson, each, trade pkt., 10c; oz., 60c.
Ricinus, (Castor Bean) Zanzibarensis, oz., 10c. Sangineus, oz., 10c.
 Cambodgensis, oz., 10c.
 Borboniensis Arboreus, oz., 10c.
Stock, Beauty of Nice, pink, new, 250 seeds, 25c; white, trade pkt., 25c.
 Giant Perfection, white, blood-red, lilac, pink, each, trade pkt., 25c; ½-oz., 40c.
 White Column, trade pkt., 25c; ½-oz., 50c.
Sweet Peas, Emily Henderson, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.
 Extra Early Blanche Ferry, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.
 Countess of Radnor, ¼-lb., 10c; lb., 25c; 5 lbs., \$1.00.
 Salopian, ¼-lb., 10c; lb., 25c; 5 lbs., \$1.00.
 Blanche Ferry, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.
Sweet Sultan, (Centaurea Imperialis) white, fine cut flower, trade pkt., 5c; ½-oz., 25c; oz., 50c.
Verbena, Mammoth White, Mammoth Pink, each, trade pkt., 15c; ¼-oz., 25c; oz., \$1.00.
 Mammoth Mixed, trade pkt., 15c; oz., \$1.00.
 "Vaughan's Best" Mixture, best in existence, trade pkt., 25c; ¼-oz., 50c; oz., \$2.00.
Wild Cucumber, this sells well on the counter, price, oz., 10c; lb., \$1.00; in beautiful colored bags, per 100 pkt., (retail price 5c) \$2.50.

For other Flower Seeds, see our "Book for Florists," sent free.

Julius Roehrs

RUTHERFORD, N. J.

Grower of

Palms, Bay Trees,
Box Trees

—AND—

Decorative Stock.

Please mention the American Florist when writing.

OUR PASTIMES.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York. Rnbt. Kirt, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., Chicago, Ill.

At New York.

The following scores were recorded by the Florists' Bowling Club on Monday evening, February 22:

Player.	1st	2d	3d	T'l
Bennett.....	160	129	120	409
Shaw.....	114	113	100	327
Siebrecht.....	131	136	165	432
Lang.....	246	174	168	588
Haffner.....	188	158	146	500
Gibbs.....	155	143	115	414
Frank.....	129	134	135	398
Nugent.....	94	115	92	301
O'Mara.....	138	141	151	430

At St. Louis.

The Bowling Club rolled an exciting game Monday night, February 22. Team 1 won by a close score. Ellison of Team 2 was high man with a total score of 697. On February 29 the Belleville team, led by Guy of the St. Louis club comes to St. Louis to play a matchgame with the local players. Two weeks later a return match will be played in Belleville. The score February 22:

TEAM 1.					
Player	1st	2nd	3d	4th	T'l
Beneke.....	191	152	174	171	688
Miller.....	127	176	180	152	635
Weber.....	114	170	119	177	580
Ellis.....	128	159	141	101	529
					2432

TEAM 2.					
Player	1st	2nd	3d	4th	T'l
Kuehn.....	154	183	168	173	678
Ellison.....	162	176	186	173	697
Meinhardt.....	115	168	144	175	562
O. R. Beneke.....	101	146	115	129	491
					2428

F. K. B.

Toronto.

Very little change is noticed in the retail business, which keeps up fairly well, though there is a scarcity of social affairs. The weather still registers below zero. Rose stock still holds up in quality though there are not enough to go around. American Beauties are fine for this time of the year and Bride, Bridesmaid and Meteor are running to a very high grade. Some very good Ivory and Helen Gould are also on the market. Carnations are coming in plentiful enough to fill all orders and the stock is well worth \$4 per hundred which is asked for it. Lillian Pond in the whites is fine and is certainly the best white of the season. Valley is becoming very plentiful and in bulbous stock you can choose at your own figures. Harrisii are coming in fine and from the appearance of the local stock there will be plenty for all at Easter and with but very few plants showing disease. Saturday proved a great day for the violet growers. Violets have a greater demand on Valentine day than on our olden Violet day.

The coal situation is getting serious, the railroads having been blocked so long that the supply which was here is almost exhausted. The larger growers are having difficulty in getting cars through, some of which have been on the road over a month. The blocking of the railways in the outer districts, and especially on the side lines proves disastrous for the retail dealers, as the express companies are refusing to carry stock to many outside points.

Manton Brothers had the decoration of a large department store for their millinery opening, the leading feature being a California villa which is proving a great drawing card.

J. H. Dunlop had an attractive window of hearts and special hampers of violets which sold rapidly and showed the utility of flowers for this purpose.

Some very good rhododendrons are seen at Chas. Tidy's. They are well grown and show to advantage in his window.

D. J. Sinclair is again back to business. His trip to Prestou Springs benefited him considerably.

There will be a carnation show about the second week of March. H. G. D.

Richmond, Ind.

The Florists' Club met in regular monthly session at the greenhouses of E. T. Grave, with a large number present. President George R. Gause was in the chair. In the absence of L. H. Shepman, who had been appointed to prepare the paper for the February meeting, the secretary read the paper. The subject was "Heat and Heating Systems," a subject near and dear to the heart of every florist. The questions and suggestions of the paper brought out a full and free discussion by the growers and practical florists, who gave their views in a clear and distinct manner. Refreshments were provided by the hosts of the evening. Vernon D. Grave was appointed to prepare the paper for the March meeting, which will be held at the ventilator works of John Evans.

Fire February 21 almost totally destroyed the greenhouse plant of Chessman & Shepman. It is estimated that the loss will be from \$7,000 to \$9,000; insurance about \$1,000. It is not known exactly how the fire started, but it is believed it originated in the boiler room, the flooring above the boilers first taking fire. The two rooms above the boiler are the potting and planting rooms and nothing remains of them but charred woodwork. Of the eight glass hothouses six of them are practically useless. All of

the glass has been broken and parts of the houses destroyed by the flames. The two remaining hot houses are in serviceable condition and all of the plants and flowers that were not destroyed have been placed in them.

L. H. Shepman is the proud father of a new baby girl. H. C. C.

Albany, N. Y.

A fire in the greenhouses of Fred A. Danker, Central avenue, on the morning of February 17 caused damage to stock and houses to the amount of \$6,000. The insurance is \$3,000. The fire was caused by a defective chimney augmented by the necessity of keeping up a large fire in the boiler owing to the cold night. The fire was discovered at 4 o'clock and before it was extinguished by the firemen had burned down the boiler shed, potting shed and the ends of the houses exposing the plants to the cold which was 5° below zero. All of Mr. Danker's Easter stock, including Easter lilies, orchids, foliage plants and azaleas are a total loss. Mr. Danker will rebuild as soon as the weather will permit.

The cold winter has caused some complaint among local florists to the effect that many customers who in the past have purchased liberally of corsage bouquets for street wear are not buying this winter. A few moments of exposure in the zero atmosphere causes the flowers to freeze and very quickly lose their freshness and color.

Whittle Brothers supplied the decorations for the masque ball of Company B, held in the state armory Monday evening. R. D.

NEWARK, N. J.—The greenhouses of John F. McDonough were entered early on the morning of February 15 by two men who proceeded to cut roses and carnations at wholesale. They were discovered by Joseph McDonough, who was able to trace them in their flight by their footprints in the snow. One of them, giving the name of Ernest Narrath, was arrested.

White!! White!! White!!

	Per 100
WHITE ROSES.....	\$4.00 to \$8.00
WHITE CARNATIONS.....	2.00 to 3.00
WHITE TULIPS.....	2.00 to 3.00
WHITE LILACS.....	\$1.50 per bunch
PAPER WHITES.....	2.00 to 3.00
ROMANS.....	2.00 to 3.00
FINE VALLEY.....	3.00
SHORT VALLEY.....	1.50

Ask For
Quotations on
1,000 Lots
of
Colored Roses,
Colored Carnations,
Etc., Etc.

We will take a few more orders on our fine Longiflorum Lilies for Easter delivery at \$14.00 per 100. They are the best in the market. * * * * *

A. L. RANDALL CO.,
Chicago.

La DETROIT

Breitmeyers' New Rose

**A Seedling
of
Testout
and
Bridesmaid.**

COLOR.

Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy fl-sh tint, shading to silver toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring rare and fascinating.

FRAGRANCE.

Subtle, strongly tea-scented, reminds one of old Bon Silene.



AN INVITATION

Is cordially extended to the visitors of the American Carnation Meeting in our city, March 2-3, to visit the Home of this great Rose at Mt. Clemens. Special cars will be provided for the occasion. Definite starting time will be announced at the Banquet, Thursday evening, March 3.

**To Be
Disseminated
April 1,
1904.**

FORM.

Large, cup-shaped, heavy petal, shell-like in formation.

GROWTH.

Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

**ALL ORDERS BOOKED FILLED
IN ROTATION BEGINNING
APRIL 1.**



**FOR "OWN ROOTED" PLANTS FROM
2 1/2 -INCH POTS.**

1 Plant, each	\$.75
12 Plants, each.....	.60
25 Plants, each.....	.50
50 Plants and over and less than 100, each .....	.30
100 Plants and over and less than 1,000, each .....	.25
1,000 Plants and over, each .....	.20
3-inch pot plants, 5c each additional.	

Prices on grafted stock given on application.

SELLING AGENTS:

Ernest Asmus & Son,
A. Rolker & Sons,
Vaughan's Seed Store,
Michigan Cut Flower Exchange,
S. S. Skidelsky,
J. Austin Shaw,
Clucas & Boddington Co.

**JOHN BREITMEYER'S SONS,
Gratiot and Miami Aves., DETROIT, MICH.**

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2182 Park Ave. David S. Beach, Prop.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wideawake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50

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

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans, it will be found a most valuable guide. \$4.00.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. Price 25 cents.

STEAM HEATING FOR BUILDINGS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated; 250 pages. \$1.00.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful practical florist. Illustrated. \$2.00.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with a classification of all the leading varieties. \$1.25.

AMERICAN FLORIST CO.,

324 Dearborn Street,

CHICAGO.



Indianapolis

The best bright pink carnation in sight. Come and see it growing. Awarded Certificate of Merit Indiana State Florists' Ass'n, Jan. 12, 1903. Scored 85 points Chicago, Nov. 18, 1903. Certificate of Merit, Cincinnati Florists' Club, Jan. 9, 1904. Certificate of Merit, Indiana State Florists' Ass'n., January 12, 1904. What more could you ask? \$2.50 per doz.; \$12 00 per 100; \$100 00 per 1000.

A FINE LOT OF STANDARD SORTS.

Per 100		1000	
McKinley	\$3.00	Floriana	2.00 18.00
Harlowarden	5.00	Q. Louise	2.00 18.00
Her Majesty	5.00	E. Crocker	1.50 12.50
Flora Hill	1.50 \$12.50	Lawson	2.00 18.00
Crane	2.50 20.00	G. Roosevelt	2.00
Estelle	3.00 25.00	P. Palmer	3.00
W. Cloud	1.50 12.50	E. A. Nelson	3.00
Lorna	2.00 18.00	Apollo	3.00
Viola Allen	3.00 25.00		

BAUR & SMITH,

330 W. 38th St., Indianapolis, Ind.

Please mention the American Florist when writing.

CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL	\$2.50	\$20.00	PERU	3.00	25.00
THE SPORT	2.50	20.00	WHITE CLOUD	2.50	20.00
MRS. LAWSON	3.00	25.00	AMERICA	2.50	20.00
MRS. HIGINBOTHAM	3.00	25.00			

ROSE CUTTINGS.

BRIDE	\$12.50	per 1000	IVORY	\$12.50	per 1000
BRIDESMAID	12.50	"	GOLDEN GATE	12.50	"

Lots of 500 at 1000 rate.

SINNER BROTHERS,

Wholesale Cut Flowers,

58-60 Wabash Avenue,

CHICAGO.

Please mention the American Florist when writing.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,

PAINESVILLE, O.

SUMMIT, N. J.

CARNATION CUTTINGS.

	Per 100	1000
Enchantress	\$6.00	\$50.00
Queen	5.00	40.00
Lillian Pond	5.00	45.00
Prosperity	2.50	20.00
Lawson	2.50	20.00
Cressbrook	2.50	20.00
Challenger	2.50	20.00
Fair Maid	3.00	25.00
Harry Fenn	5.00	40.00
Gen. Maceo	2.50	20.00
Queen Louise	2.00	15.00
Bradt	3.00	25.00

—ROOTED—

CARNATION CUTTINGS.

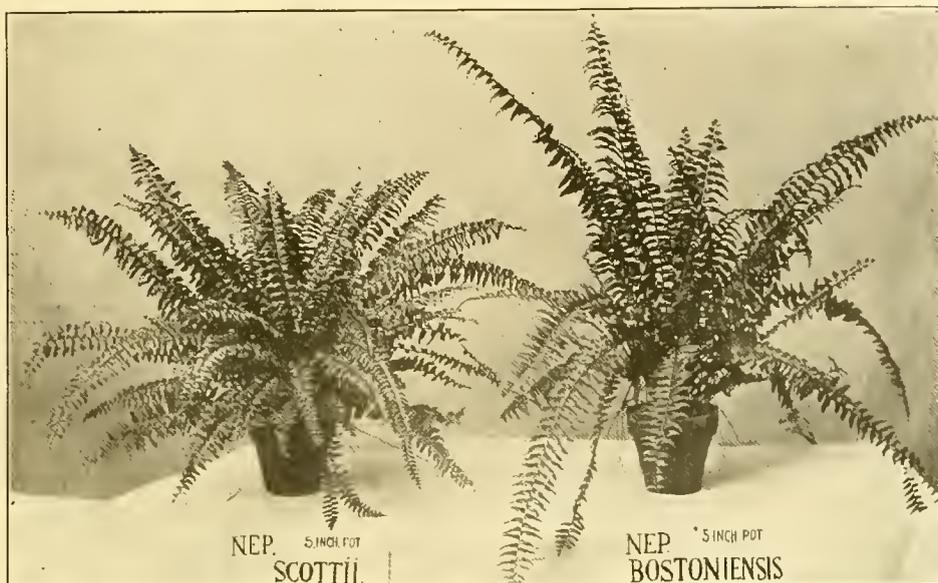
	Per 100	1000
G. H. Crane	\$2.50	\$20.00
Mrs. Lawson	2.00	17.50
Mrs. Joost	1.50	12.50
Ethel Crocker	1.50	12.50
Win. Scott	1.50	12.50
Flora Hill	1.50	12.50
Queen Louise	1.50	12.50
Norway	1.50	12.50

Cash or C. O. D.

C. WARBURTON, Fall River, Mass.

ST. LOUIS CARNATION CO., Clayton, Mo.

NEPHROLEPIS SCOTTII



This splendid new Fern has received the Highest Award from the New York Florists' Club and the American Institute. Its natural compact habit admits of its being grown in one-half the space required to grow *N. Bostoniensis*. Its rapidity of increase is well proven by the fact that in October 1900, I had but one plant with four (4) fronds, and at the present time I have three houses each 152 feet long, full. I am certain if you grow *N. Scottii* you will not meet with the same disappointment that has been met with in some of the varieties of *Nephrolepis* that have been introduced within the last few years, but you will find it a profitable investment, as this fern will surely appeal to your customers on account of its compact symmetrical and graceful form and its excellent adaptability to dwelling-house culture. The illustrations show a plant each of *N. Scottii* and *N. Bostoniensis*. Both were grown in 5-inch pots, and it is easily seen how much more decorative *N. Scottii* is over the old Boston fern. A further description is unnecessary.

DELIVERY WILL BE MADE AS FOLLOWS:

Strong Rooted Runners with three to four fronds, cut from the bench, delivery commencing June 1, 1904. All orders filled in rotation at the following prices:

\$4.00 per Dozen; \$25.00 per 100; \$200.00 per 1000.
Strong 6-inch Pot Plants, Ready May 1. \$2.00 Each.
Strong 8-inch Pan Plants, " " 3.50 Each.
Strong 10-inch Pan Plants, " " 5.00 Each.

For immediate delivery, fine, heavy plants of **N. PIERSONI**, 8-inch pots \$75.00 per 100.
N. BOSTONIENSIS, fine short bushy plants in 6-inch pots, \$50.00 per 100.

John Scott,
 Keap Street Greenhouses, **BROOKLYN, N. Y.**

CARNATIONS

Rooted Cuttings. Ready Now.

	Per 100	Per 1000
QUEEN LOUISE.....	\$1.50	\$12.50
LILLIAN POND.....	5.00	40.00
ETHEL CROCKER.....	1.50	10.00
MRS. E. A. NELSON.....	2.00	15.00
FLORIANA.....	1.50	12.50
ENCHANTRESS.....	6.00	50.00

Send for estimates on complete order and list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

CARNATION CUTTINGS.

We now have ready good, well-rooted Cuttings, from the following varieties:

	100	1000		100	1000
Enchantress.....	\$6.00	\$50	Eldorado.....	\$2.50	\$20
Fair Maid.....	3.00	25	Manley.....	4.00	30
Fragrance.....	6.00	50	Adonis.....	4.00	30
The Queen.....	5.00	40	Lawson.....	2.50	20
Boston Market.....	4.00	30	Joost.....	2.50	20
Gov. Wolcott.....	5.00	40	Harlowarden.....	6.00	50
Bradt.....	3.00	25	Harry Fenn.....	5.00	40
Prosperity.....	2.50	20			

NEW VARIETIES FOR 1904--

	100	1000
Nelson Fisher.....	\$12.00	\$100.00
Mrs. M. A. Patten.....	12.00	100.00

All selected cuttings from healthy stock. Send a your order now and secure early delivery.

BACKER & CO., Long Dis. Tel. BILLERICA, MASS.

Please mention the American Florist when writing.

Healthy Carnations.

Well Rooted. Enchantress, all sold till March 15th, \$6.00 per 100; \$50.00 per 1000. Strong, 2-inch pots now ready, \$8.00 per 100. Now ready, Queen Louise, Crocker, Lorna, White Cloud, Peru, Innocence, Lawson, Floriana, Prosperity, Dorothy, Marquis. Pres. Roosevelt, Manley, \$2.00 per 100; \$17.50 per 1000.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

All the Best CARNATIONS

The Leading Novelties of 1904. The Best Varieties of 1903.

All the Standard Sorts. Order your Rooted Cuttings NOW.

GEO. HANCOCK & SON,

GRAND HAVEN, MICH.

Please mention the American Florist when writing.

Orders Booked Now For Future Delivery.

Rooted Cuttings and Plants of Rose Queen of Edgely, (Pink American Beauty). Write for prices.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, PHILADELPHIA.

THE AMERICAN FLORIST CO.'S

DIRECTORY for 1904

IS NOW READY.

And contains the usual fully corrected and revised lists of Florists, Seedsman, Nurserymen, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies and Horticultural Supply Concerns of the United States and Canada.

Hundreds of New Names and Addresses.

Price Two Dollars, Postpaid.

AMERICAN FLORIST COMPANY,

CHICAGO, ILL., U. S. A.

Carnations

Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Flamingo, March delivery.....	\$12.00	\$100.00	Mrs. M. A. Patten.....	\$12.00	\$100.00
Lady Bountiful.....	12.00	100.00	White Lawson, March delivery...	12.00	100.00
The Belle.....	12.00	100.00	Albatross, March delivery.....	10.00	80.00
Indianapolis.....	12.00	100.00	Crusader.....	10.00	80.00
Nelson Fisher, March delivery.....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Enchantress.....	\$6.00	\$50.00	Harlowarden.....	\$6.00	\$50.00
Estelle.....	4.00	30.00	Lillian Pond.....	5.00	40.00
Fragrance.....	6.00	50.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Golden Beauty.....	5.00	40.00	Pres. McKinley.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	The Queen.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00	White Bradt.....	6.00	

STANDARD SORTS.

	Per 100	Per 1000		Per 100	Per 1000
America.....	\$1.75	\$15.00	Morning Glory.....	\$2.50	\$20.00
Cressbrook.....	4.00	30.00	Mrs. F. Joost.....	1.75	15.00
Enquirer.....	2.50	20.00	Mrs. H. N. Higinbotham.....	4.00	35.00
Ethel Crocker.....	1.75	15.00	Mrs. E. A. Nelson.....	4.00	35.00
Flora Hill.....	1.75	15.00	Mrs. Potter Palmer.....	3.00	25.00
Genevieve Lord.....	1.75	15.00	Mrs. Thos. W. Lawson.....	2.50	20.00
G. H. Crane.....	2.50	20.00	Norway.....	1.75	15.00
Gov. Roosevelt.....	3.50	30.00	Prosperity.....	2.50	20.00
Lorna.....	3.00	25.00	Queen Louise.....	1.75	15.00
Marquis.....	1.75	15.00	White Cloud.....	1.75	15.00

DORMANT CANNAS.

Strong 2-3 eyed bulbs. TRUE STOCK.

	Per 100		Per 100
Allemannia.....	\$3.00	Mme. Louis Druz.....	\$ 2.50
Burbank.....	2.00	Mlle. Berat.....	2.50
Black Beauty.....	7.00	Mme. Crozy.....	2.00
Chas. Henderson.....	2.00	Monsieur Jarry Desloges.....	3.00
Chicago.....	6.00	Mrs. Kate Gray.....	5.00
Duke of Marlborough.....	2.00	Mont Blanc.....	20.00
David Harum.....	6.00	Pennsylvania.....	5.00
Egandale.....	4.00	Red Indian.....	5.00
Leonard Vaughan.....	4.00	Secretaire Chabanne.....	2.00

The following sorts \$1.00 per 100:

Exp. Crampbell	L. Patry	Paul Marquant
Francois Reif	Mme. Alfred Blanc	Partenope
J. Aymard	Mme. Celestin Dubost	President Carnot

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

STRONGLY ROOTED

CARNATIONS

NOW READY.

GROWN OUT OF DOORS AND ROOTED WITHOUT HEAT.

WHITE.		Per 100	1000	SCARLET.		Per 100	1000
Queen Louise.....	\$1.20	\$10.00	J. H. Manley.....	\$3.50	\$30.00		
Flora Hill.....	1.20	10.00	G. H. Crane.....	1.20	10.00		
Alba.....	3.40	30.00	America.....	1.20	10.00		
Gov. Wolcott.....	3.40	30.00	Mrs. Palmer.....	1.20	10.00		
Norway.....	1.20	10.00	Apollo.....	3.50	30.00		
Lillian Pond.....	5.00	45.00	Adonis.....	7.00	65.00		
Chicot.....	1.20	11.00					
Viola Allen.....	3.00	25.00					
PINK.				CRIMSON.			
Mrs. T. W. Lawson.....	1.40	12.50	Harlowarden.....	5.00	45.00		
Mrs. Joost.....	1.00	10.00	Gov. Roosevelt.....	1.50	11.00		
Mermaid.....	1.20	10.00	YELLOW.				
Mrs. Roosevelt.....	6.00	55.00	Eldorado.....	1.00	9.00		
Success.....	4.00	35.00	VARIEGATED.				
President McKinley.....	5.00	45.00	Marshall Field.....	5.00	45.00		
Cressbrook.....	2.50	20.00	Stella.....	3.00	25.00		
			Armazindy.....	1.00	9.00		
			Prosperity.....	1.40	12.00		

25 of any one kind at 100 prices. 250 at 100 prices.

We prepay express charges and will ship C. O. D. with the privilege of examination, we assuming all the responsibility of Cuttings arriving in good condition and proving satisfactory.

Loomis Floral Co.,

LOOMIS, CAL.

Please mention the American Florist when writing.

The Queen

Best Commercial White CARNATION.

Rooted Cuttings, X X X Stock \$5.00 per 100; \$45 per 1000.

FLATBUSH, BROOKLYN, N. Y., January 28, 1904.

JOHN BARR, South Natick, Mass. DEAR SIR:—The rooted carnation cuttings of "Queen" came to hand safely, and are nice, clean, well rooted stock—in short, all we could desire.

Truly yours, DAILLEDOUZE BROS.

Send for Descriptive Circular and Price List.

JOHN BARR, South Natick, Mass.

100,000 Grafted Rose Plants

We are now grafting on Manetti the above amount on all selected flowering wood. No Blind wood used at all. We offer for sale ready for delivery April 1st.

BRIDE AND BRIDESMAID, \$12.00 per 100; \$100.00 per 1000.

LIBERTY, \$15.00 per 100.

If you wish to grow better grade roses, give grafted stock a trial.

ROOTED CUTTINGS. The Very Best Commercial Varieties.

All of our cuttings are selected carefully and we try to see how good we can make them, not how cheap.

ROSES ROOTED CUTTINGS, Brides, Bridesmaids and Gates, \$1.50 per 100. Kaiserin and Perle, \$2.50 per 100. CHATENAY ROSE PLANTS, 2½-inch pots, \$6.00 per 100; \$50.00 per 1000. Ready March 1.

CARNATIONS ROOTED CUTTINGS

WHITE.		PINK.		RED.		
Per 100	Per 1000	Per 100	Per 1000	Per 100	Per 1000	
Lillian Pond.....	\$3.50	\$30.00	Lawson.....	\$2.50	\$20.00	
Gov. Wolcott.....	3.50	30.00	Morning Glory.....	2.50	20.00	
White Bradt.....	2.50	20.00	Floriana.....	2.50	20.00	
White Cloud.....	2.50	20.00	Enchantress.....	6.00	50.00	
Norway.....	2.50	20.00	Joost.....	2.50	20.00	
				Red Bradt.....	\$2.50	\$20.00
				Crane.....	2.50	20.00
				America.....	2.50	20.00
				VARIEGATED.		
				Prosperity.....	2.50	20.00
				Mrs. Bradt.....	2.50	20.00

Yellow—Gold Nugget, \$2.50 per 100; \$20.00 per 1000. Maroon—Maceo, \$2.50 per 100; \$20.00 per 1000. Orders aggregating 250 or more will be billed at the 1000 rate. No order for less than 50 of one variety accepted. All cuttings and plants shipped from Hinsdale.

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

ROSE PLANTS. STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

MME. CHATENAY.....	Per 100	1000	MAID.....	Per 100	1000
SUNRISE.....	\$6.00	\$50.00	BRIDE.....	\$3.00	\$25.00
KAISERIN.....	5.00	40.00	PERLE.....	3.00	25.00
LIBERTY.....	4.00	35.00	GOLDEN GATE.....	3.00	25.00
	6.00	50.00	IVORY.....	3.00	25.00

ROSE CUTTINGS—Well Rooted.

IVORY.....	Per 100	1000	GOLDEN GATE.....	Per 100	1000
MAID.....	\$1.50	\$12.50	PERLE.....	\$1.50	\$12.50
BRIDE.....	1.50	12.50	SUNRISE.....	1.50	12.50

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		WHITE.			
Per 100	1000	Per 100	1000		
MRS. LAWSON.....	\$1.50	\$12.50	MURPHY'S WHITE.....	\$3.00	25.00
MRS. E. A NELSON.....	2.50	20.00	FLORA HILL.....	1.25	10.00
GUARDIAN ANGEL.....	1.25	10.00	WHITE CLOUD.....	1.25	10.00
MRS. HIGINBOTHAM.....	2.00	15.00	PERU.....	1.25	10.00
SYBIL.....	3.00	25.00	QUEEN LOUISE.....	1.25	10.00
McKINLEY.....	3.00	25.00	NORWAY.....	1.25	10.00
JOOST.....	1.25	10.00	MARION.....	1.25	10.00
			GOV. LOWNDES.....	3.00	25.00
			GOV. WOLCOTT.....	3.50	30.00
			VARIEGATED.		
ESTELLE.....	2.50	20.00	MRS. BRADT.....	2.00	15.00
MRS. IVE.....	1.25	10.00			
CHICAGO (Red Bradt).....	2.00	15.00			
HARLOWARDEN.....	3.00	25.00			

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Roses. Roses. Plants and Rooted Cuttings.

American Beauty.....	R. C. Per 100	2½-in. Per 100
Bride, Maid Ivory, Gate.....	\$3.00	\$6.00
Perle, Kaiserin, Canadian Q'n	1.50	3.00
	2.00	4.00

LOW RATE BY THE THOUSAND.

BOSTON FERNS. 2½-inch, \$4.00 per 100; 3-inch, \$8.00; 4-inch, \$12.50; 5-inch, \$25.00; 6-inch, \$40.00. Fine stock. Note the special low prices on smaller sizes.

CULLETT & SONS, Lincoln, Ill.

NEW CARNATION Louise Naumann

Dark pink. Produces far more than Lawson and is a better color. With this variety you can pick every day the year around. Always heavy with buds and flowers. Most excellent keeper. Size, 3-3½ inches. Fringed and never bursts or fades. Averages 25 flowers per plant a season, more than any variety I have ever grown. Come and see them grow. Order now for February and March Delivery, \$1.25 per Doz.; \$5.00 per 100; \$70.00 per 1000. Also Rooted Cuttings of ENCHANTRESS, \$6.00 per 100.

G. M. NAUMANN, 1537 Doan Street, Cleveland, Ohio.

Cleveland, O.

The obsequies attending the burial of the late Senator Hanna called for the most magnificent and elaborate display of floral emblems ever seen at one time in this or any other city in this country. Two baggage cars filled with elaborate designs came for Washington with the same train which bore the deceased senator to his home city. Added to these were the almost countless numbers of tokens from the many friends and admirers here of the dead statesman. These made a display in the Chamber of Commerce hall, where the body lay in state for a day, which once seen could never be forgotten. Viewed as they were by tens of thousands the effect will no doubt be most beneficial upon the floral business. Various estimates give the amount spent in this city at \$5,000 to \$7,000. All got a share of the work from the largest to the smallest establishment. All the growers in the vicinity through the medium of the new Cleveland Cut Flower Company responded nobly to the increased demand. But the local supply was entirely inadequate and outside sources had to be called upon. The display at the receiving vault at Lake View cemetery equaled that of the Chamber of Commerce.

Mrs. Guy Bate, wife of the popular East Cleveland florist, had a narrow escape from death by fire on Saturday evening. While trying to extinguish a coal oil lamp it exploded and her clothing caught fire. With rare presence of mind she ran into the yard and plunged into a snow bank, extinguishing the flames. Suffering intense agony from her burns she rushed back into the house and extinguished the fire that had gained considerable headway, thereby saving the lives of her children. Her condition is very critical. The family has the sincere sympathy of the entire craft and best wishes for her speedy recovery. Unfortunately Mr. Bate was absent at the time of the accident and did not learn anything about it until his return later in the evening.

Prices run about as follows: Roses, teas \$4 to \$8 and \$10 for specials; carnations, \$2 to \$6; valley, \$3 to \$4; callas, \$1.50 per dozen; smilax, 15 cents per string; Paper Whites and Romans, \$2 to \$4; violets, \$1 to \$2. Nearly everything is cleaned up daily and more carnations and roses could be sold. Beauty roses are very scarce.

The Cleveland Cut Flower Company has been doing a rattling business since it started. Consignments and shipping trade are increasing right along.

James Wilson is sending in some fine carnations. His Enchantress are magnificent flowers with three foot stems.

Adam Graham and wife have gone south to a more congenial clime for a lengthy stay.

Charles Schmitt is out from his three weeks' sojourn in the hospital.

Fred Aul is on the mend again from his recent attack of typhoid fever.

J. C. Vaughan and L. Vaughan, of Chicago, were recent visitors. ECHO.

DES MOINES, IA.—B. R. Anderson, at one time with W. L. Morris, will leave March 1 for Marshalltown, Ia. He will be head gardener at the Soldiers' Home.

SYRACUSE, N. Y.—A fire in the greenhouses of P. R. Quinlan & Company, in West Belden avenue February 10 did \$2,500 damage. Over 800 choice palms were destroyed.

"A Wee Wail From The Woods(man)"

"QUALITY COUNTS"

("That's All.")

This stock can be had ONLY direct from the
introducers or their Agents:

J. B. DEAMUD, Chicago, Ill.	W. F. KASTING, Buffalo, N. Y.
LEO. NIESSEN, Philadelphia, Pa.	GEO. M. KELLOGG, Kansas City, Mo.
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.	
REED & KELLER, New York City.	
HOLTON & HUNKEL, Milwaukee, Wis.	H. G. BERNING, St. Louis, Mo.
BARTEDES & CO., Denver, Colo.	

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

PINK.		Per 100	1000	RED.		Per 100	1000
Enchantress.....		\$6.00	\$50.00	Estelle.....		3.00	25.00
Morning Glory.....		2.00	15.00	Harlowarden.....		3.00	25.00
Higinbotham.....		1.50	12.50	WHITE.			
Lawson.....		1.50	12.50	Her Majesty.....		3.00	25.00
Guardian Angel.....		1.25	10.00	White Cloud.....		1.50	12.50
Cressbrook.....		1.50	12.50	Flora Hill.....		1.50	12.50
RED.				Queen Louise.....		1.50	12.50
Palmer.....		\$2.00	\$15.00	Norway.....		1.50	12.50

Rooted Rose Cuttings.

		Per 100	1000			Per 100	1000
Bride.....		\$1.50	\$12.50	Golden Gate.....		\$1.50	\$12.50
Bridesmaid.....		1.50	12.00	Meteor.....		1.50	12.50
Ivory.....		1.50	12.50	Liberty.....		3.00	25.00

WIETOR BROS., Wholesale Growers of
Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

VESPER

Finest white Carnation on Market this year; flowers 3 in. to 3½ in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

Adonis..... Per 100 \$7.00 Per 1000 \$50.00 Enchantress..... 6.00 McKinley..... 4.00 30.00 Estelle..... 4.00 30.00 Nelson..... 3.50 30.00	Lawson..... Per 100 \$2.50 Per 1000 \$20.00 Queen Louise..... 2.50 20.00 Mrs. Bradt..... 2.50 20.00 Flora Hill..... 2.00 15.00 Mrs. Joost..... 1.50 12.50
---	---

—CASH. NO C. O. D.—

Wm. C. SMITH, 61st & Market Sts., Philadelphia, Pa.

ROOTED CARNATION CUTTINGS.

Special quotations on Gov. Wolcott, Lawson and Palmer in large lots.

Per 100		1000		Per 100		1000	
Gov. Wolcott.....	3.50	25.00	Prosperity.....	2.00	18.00	Lorna.....	2.50 20.00
2000 and over, \$22.00 per 1000.			Lillian Pond.....	3.00	25.00	Higinbotham.....	1.50 12.00
Lawson.....	1.50	12.50	Palmer.....	1.50	12.50	Prices on 2½-inch stock on application.	
2000 and over, \$11.00 per 1000.			3000 and over, \$11.00 per 1000.				
			Joost.....	1.50	12.00		

Booking orders for 2½-inch roses and 'mums for spring delivery. Get your orders in and secure good stock. Send in list for estimate.

POENLMANN BROS. CO., Morton Grove, Ill.

Successful Growers are Wanted

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

500,000 Unrooted Carnation Cuttings...

WHITE.				YELLOW.			
	Per 100	Per 1000	Per 5000		Per 100	Per 1000	Per 5000
QUEEN LOUISE.....	\$.55	\$ 5.00	\$23.00	GOLDEN BEAUTY.....	\$.75	\$ 6.00	\$25.00
NORWAY.....	.55	5.00	23.00	ELDORADO.....	.55	5.00	23.00
PINK.				VARIEGATED.			
ARGYLE.....	.55	5.00	23.00	VIOLINIA, 4-inch bloom, fine.....	6.00	50.00	
MERMAID.....	.55	5.00	23.00	MARSHALL FIELD.....	1.50	12.50	60.00
MARQUIS.....	.55	5.00	23.00	STELLA.....	1.50	12.50	60.00
LAWSON.....	1.00	8.00	35.00	MRS. BRADT.....	1.00	7.50	35.00
CRESSBROOK.....	.75	6.00	25.00	ARMAZINDY.....	.55	5.00	23.00
SUCCESS.....	1.00	8.00	35.00	SCARLET.			
CRIMSON.				AMERICA.....	.55	5.00	23.00
HARLOWARDEN.....	1.50	12.50	50.00	MRS. P. PALMER.....	.55	5.00	23.00
GEN. GOMEZ.....	.55	5.00	23.00	APOLLO.....	.55	5.00	23.00

Cash or C. O. D. with privilege of examination. Express prepaid at above prices.

— SEE R. C. CARNATION PRICES IN BACK ISSUES. —

California Carnation Co.

LOCK BOX
103.

LOOMIS, CAL.

Please mention the American Florist when writing.

SPECIAL OFFER

Carnation Cuttings.

READY FOR SHIPMENT.

Having a surplus of these varieties will make special price for 15 days. Our stock is perfection and free from disease.

Pink	Per 100	1000	White.	Per 100	1000
Lawson.....	\$1.50	\$12.50	Glacier.....	\$1.50	\$14.00
Joost.....	1.25	10.00	White Cloud.....	1.25	10.00
Marquis.....	1.25	10.00	Flora Hill.....	1.25	10.00
Dorothy.....	1.50		Scarlet.		
White.			Crane.....	1.50	14.00
Innocence.....	1.50		Variiegated.		
			Prosperity... ..	1.50	12.00

Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. CASH.

Geraniums. Best bedders in pink, salmon and scarlet, labeled, rooted cuttings, \$1.75 per 100.

The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.

Please mention the American Florist when writing.

CARNATIONS.

50,000 ROOTED CUTTINGS.

The profitable ones to grow for Cut Flowers. Our stock is exceptionally fine. List of varieties and prices on application.

C. AKEHURST & SON,
WHITE MARSH, MD.

Please mention the American Florist when writing.

Carnations.

Fine, strong, well-rooted cuttings now ready.

ENCHANTRESS, \$6.00 per 100; \$50.00 per 1000.
LILLIAN POND, \$5.00 per 100; \$40.00 per 1000.
THE QUEEN, Jan. delivery, \$5 per 100; \$40 per 1000.

LARCHMONT NURSERIES, Larchmont, N. Y.

Please mention the American Florist when writing.

The New Scarlet Carnation

AMAZE.

A profuse Christmas bloomer, strong grower, heavy stem, flower intense scarlet and remarkable keeping qualities. Rooted Cuttings ready February 1.

PRICE: \$10.00 per Hundred: \$75.00 per Thousand Cash.

ORDER FROM THE GREENHOUSES,

JEROME SUYDAM, Flatbush, Brooklyn,
N. Y.

OR FROM THE AGENTS.

Slinn & Hughes, Coogan Building,
NEW YORK CITY.

Please mention the American Florist when writing.

Rooted Carnation Cuttings

	Per 100
Enchantress.....	\$5.00
Queen.....	4.00
Fair Maid.....	2.50
Lawson.....	2.50

H. F. LITTLEFIELD, WORCESTER,
MASS.

50,000 Well Rooted Carnations.

Cuttings now ready. Enchantress, \$6.00 per 100. Harlowarden, \$5.00 per 100. Lawson and Crane, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. ROSES, Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Crusader 89 Points at Buffalo

We consider the above score pretty good for a free blooming, non-bursting Carnation. Don't you? PRICE, \$10.00 per 100; \$80.00 per 1000.

	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Flamingo, fancy scarlet.....	\$12.00	\$100.00	Enchantress, light pink.....	\$5.50	\$50.00	Harlowarden, crimson.....	\$4.50	\$40.00
White Lawson, pure white..	12.00	100.00	Her Majesty, white.....	4.50	40.00	Lillian Pond, white.....	4.50	40.00
Lady Bountiful, white.....	12.00	100.00	Pres. McKinley, dark pink..	4.50	40.00	D. Whitney, yellow.....	4.50	40.00
The Belle, white.....	12.00	100.00	Gov. Wolcott, white.....	4.00	30.00	Estelle, scarlet.....	3.00	25.00
Moonlight, white.....	10.00	75.00	Mrs. Lawson, pink.....	2.00	17.50	Mrs. Higinbotham, pink.....	4.00	30.00
Indianapolis, pink.....	12.00	100.00	Prosperity.....	2.00	16.00	Boston Market, white.....	3.50	27.50
Vesper, white.....	10.00	75.00	Fairmaid.....	3.50	27.50	Marshall Field, variegated..	5.00	40.00

CHICAGO CARNATION CO., JAMES HARTSHORNE, **JOLIET, ILL.**
 Manager.

CARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the following varieties:

	Per 100	1000		Per 100	1000
Lawson.....	\$1.50	\$12.50	Prosperity.....	\$2.00	\$15.00
Oriole.....	1.50	12.50	Joost.....	1.20	9.00
Portia.....	1.20	9.00	America.....	1.50	12.50
Lorna.....	1.50	12.00	Flora Hill.....	1.50	10.00
W. Cloud.....	1.50	12.50	Mrs. Palmer.....	1.50	12.50
Q. Louise.....	1.50	12.50	Higinbotham	1.50	12.50
Mrs. L. Ine.....	1.50	10.00			

ROSE CUTTINGS.

	Per 100	1000
Choice well-rooted stock.....		
Bridesmaids.....	\$1.25	\$12.00
Brides.....	1.25	12.00
Mme. Chatenay.....	3.50	30.00
American Beauties.....	3.50	30.00

ROSE PLANTS.

	Per 100	1000
Strong stock in 2½-in. pots.....		
Bridesmaids.....	\$2.75	\$22.50
Brides.....	2.75	22.50
2-year old Beauties, (cut down).....	\$10.00	per 100
Asparagus Plumosus, 3-inch pots.....	\$5.00	per 100
Asparagus Sprengerl, 3-inch pots.....	4.00	per 100

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center, Illinois.

NEW LIGHT PINK CARNATION

"NEW DAYBREAK"

To the commercial grower who is looking for profit, this variety is all that its name implies, and will at once commend itself as the old Daybreak reincarnated without its faults. Color, true Day-break shade, of Daybreak and Scott extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms, large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper. Price, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000. **OTHER NEW AND STANDARD VARIETIES.**

Chrysanthemums. The best American and best standard sorts. foreign varieties and best standard sorts. Write for Price List.

H. WEBER & SONS, Oakland, Md.

Carnations

ROOTED CUTTINGS.

Orders booked now for next season's delivery of all the leading varieties. Send us a list of what you want and get prices that are right.

Chas. Chadwick, L. Box 11, Grand Rapids, Mich.

Carnation Cuttings

We are now hooking orders for rooted cuttings. List of varieties and prices sent on application.

The Cottage Gardens, Queens, L. I.

Rooted Carnation Cuttings.

SPECIAL LOW QUOTATIONS FOR TEN DAYS.

	100	1000	5000		100	1000	5000
PINK.				RED.			
Mrs. Lawson.....	\$1.25	\$10.00	\$40.00	G. H. Crane.....	\$2.00	\$18.00	\$80.00
Mrs. Nelson.....	2.00	18.00	80.00	Estelle.....	2.00	18.00	80.00
Guardian Angel.....	1.25	10.00	40.00	America.....	2.00	18.00	80.00
Dorothy.....	1.50	12.50	50.00	Palmer.....	2.00	18.00	80.00
McKinley.....	2.00	18.00	80.00	LIGHT PINK.			
Ethel Crocker.....	1.25	10.00	40.00	Enchantress.....	5.50	50.00	200.00
Mrs. Joost.....	1.25	10.00	40.00	Higinbotham.....	2.00	18.00	80.00
WHITE.				Morning Glory.....	2.00	18.00	80.00
Flora Hill.....	1.25	10.00	40.00	Prosperity.....	2.00	18.00	80.00
White Cloud.....	1.25	10.00	40.00	Rooted Rose Cuttings.			
Queen Louise.....	1.25	10.00	40.00		100	1000	
Norway.....	1.25	10.00	40.00	Bridesmaid.....	\$1.50	\$12.50	
Gov. Wolcott.....	3.50	27.00	125.00	Bride.....	1.50	12.50	

We have been shipping every day. No frozen shipments reported. If stock not satisfactory will refill or return money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing

NEW WHITE CARNATION FOR 1904.

The Bride

This variety was the winner of the first prize for best 100 white at the Carnation Convention Show in Brooklyn last February and is unquestionably the best white in sight.

PRICE, \$2.50 per Dozen; \$12.00 per Hundred; \$100.00 per Thousand.

JOHN N. MAY, Summit, N. J.

Please mention the American Florist when writing.

AMERICAN BEAUTY ROOTED CUTTINGS

This stock is from good, clean, healthy wood, will be free from spot and thoroughly rooted when sent out. Money refunded if not perfectly satisfactory upon return of stock. \$3.00 per 100; \$25.00 per 1000.

J. A. BUDLONG, Wholesale Grower of Cut Flowers, 37-39 Randolph Street, CHICAGO, ILL.

Please mention the American Florist when writing.

VESPER

The Best Commercial White Carnation to-date. Pure white blooms, three to three and a half inches and over in diameter; beautifully fringed; very fragrant, exceedingly free bloomer, early and continuous; good until July; very healthy and vigorous, stems stiff, three to four feet long. Has brought top prices in Philadelphia Market the past three Seasons. It is a great shipper. 20,000 ready for immediate shipment. **Come and See It Growing.** Read what these experts have to say about it:

We also offer the following good varieties. Ready now, and first-class in every respect.

Harlowarden, the finest crimson \$5.00 per 100; \$45.00 per 1,000. From 2-in. pots, \$6.50 per 100; \$60.00 per 1000. Those in pots are extra fine for immediate delivery.

Enchantress, \$6.00 per 100; \$50.00 per 1000. From 2-inch pots, well established plants, \$7.50 per 100; \$65.00 per 1000.

	Per 100	1000
Mrs. M. A. Patten.....	\$12.01	\$100.00
Flamingo.....	12.00	100.00
Mrs. Theo. Roosevelt.....	5.00	40.00
Adonis.....	7.50	65.00
Lillian Pond.....	5.00	40.00
Pres. McKinley.....	3.00	25.00
White Bradt.....	6.00	
May Naylor.....	4.00	35.00
Her Majesty.....	5.00	40.00
Mrs. E. A. Nelson.....	3.00	25.00
Alpine Glow.....	4.00	35.00
Mrs. T. W. Lawson.....	3.10	25.00
Mrs. G. M. Bradt.....	3.50	30.00

SAMUEL S. PENNOCK, 1612-18 Ludlow St. Philadelphia, Feb. 9, 1904.

ROBERT CRAIG & SON, Philadelphia.
Gentlemen:—We have been handling the Vesper carnation for the past two or three years, in fact, ever since it was introduced, and we find it to be one of the best all-around commercial whites on the market to-day. It has a good, stiff stem, is a good keeper, and is a good sized flower. Some of our customers prefer this to any other variety we can send them. They think it is the best keeper and gives them the best satisfaction of any white they are handling. Yours very truly,
SAMUEL S. PENNOCK.

E. C. MARSHALL Florist, Kennett Square, Pa., Feb. 11, 1904.

ROBERT CRAIG & SON, Philadelphia.
Dear Sirs:—It gives me pleasure to state that the 20 plants of Vesper sent me on trial have given excellent results. It has excellent health; an extra long stem; flowers are of the first size and do not hurt. I also find it quite free. Yours truly,
E. C. MARSHALL.

WM. C. SMITH, 61st & Market Sts. Philadelphia, Feb. 1, 1904.

ROBERT CRAIG & SON, Philadelphia.
Dear Sirs:—The Vesper plants that I have here on trial are certainly all that you claim for them. I find that the plants are healthy, free and that the flowers are of the first size, on long, stiff stems. You may book my order for one thousand cuttings to be delivered as soon as ready. Yours very truly,
WM. C. SMITH.

WM. C. SMITH, 61st & Market Sts. Philadelphia, Feb. 11, 1904.

ROBERT CRAIG & SON, Philadelphia.
Dear Sirs:—The Vesper Cuttings were received, and are fine. Please send me one thousand more from the same batch for my own use. I am going to plant a house of Vesper this Fall. Respectfully,
WM. C. SMITH,

Price \$10 per 100; \$75 per 1000.
2-in. Pots..... 12 per 100; 90 per 1000.

ROBERT CRAIG & SON, 49th & Market Streets, PHILADELPHIA, PA.

Rooted Cuttings. Verbenas, 25 var., good 1000. Heliotrope, good varieties, \$1.00 per 100; \$8.00 per 1000. Colens, all the best, 70c per 100; \$7.00 per 1000. Ageratum, 60c per 100; \$5.00 per 1000. Salvias, \$1.00 per 100; \$8.00 per 1000. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Pelargoniums, \$2.25 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write S. D. BRANT, The Clay Center Florist, Clay Center, Kansas.

Please mention the American Florist when writing.

American Beauties

We have a fine lot in 2 x 2 1/2-inch that will be ready to go out early in March. Get your order in at once and we will send you fine stock and guarantee satisfaction.

GEO. A. KUHL, Pekin, Ill.
Please mention the American Florist when writing.

Chrysanthemums...

American Novelties. Also a complete line of Australian, English and French varieties, both new and standard sorts. For prices and descriptions address

NATHAN SMITH & SON, ADRIAN, MICH.

SPECIALTIES

ROSES, from 3-inch pots, In Best
CARNATIONS, for all delivery, Varieties
CHRYSANTHEMUMS,
SMILAX, VIOLETS.
Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Wanted.

To exchange 500 Geraniums in need of shift to 3 and 4-in. pots; variety in either Gen. Sheridan or one similar to it, for rooted cuttings of Wm. Scott and var. Bradt Carnations or other varieties of geraniums or other young plants suited for bedding out.

C. E. HERTEL, Anna, Ill.

Cyclamens blooming and in bud; fine stock, 4 inch, \$12.00; 5-inch, \$20.00 and \$30.00 per 100.

C. WINTERICH, Defiance, Ohio.

HOLBROOK, MASS.—There was a small fire at Frank T. White's greenhouse on the morning of February 5. It was discovered and extinguished before it had done much damage.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. **60 Varieties.**

Rooted Cuttings, 60c per 100; \$5.00 per 1000; \$45.00 per 10,000.
Plants, \$2.50 per 100; \$20.00 per 1000.

CARNATIONS.

White.	Per 100	Pink.	Per 100	Crimson.	Per 100
The Queen.....	\$5.00	Success.....	4.00	Harry Fenn.....	\$5.00
Queen Louise.....	1.50	Mrs. Higinbotham.....	5.00	Gov. Roosevelt.....	2.50
Lorna.....	2.50	Cressbrook.....	3.00	Gen. Maceo.....	1.50
White Cloud.....	1.50	Mrs. E. A. Nelson.....	3.00	Variegated.	
Flora Hill.....	1.50	Mrs. Thos. Lawson.....	3.00	Prosperity.....	2.50
Red.		Dorothy.....	2.00	Mrs. G. M. Bradt.....	3.00
Mrs. Potter Palmer.....	3.00	Sunbeam.....	2.50	Yellow.	
J. H. Manley.....	4.00	Morning Glory.....	1.50	Dorothy Whitney.....	5.00
Orible.....	2.50	Mrs. Joost.....	1.25	Buttercup.....	3.00
G. H. Crane.....	2.00	Daybreak.....	1.25	Gold Nugget.....	2.00
Jubilee.....	1.50	Wm. Scott.....	1.25	Eldorado.....	1.25
Portia.....	1.25	Crocker.....	1.25		
		Mermaid.....	2.00		
		Floriana.....	1.50		

GRAFTED ROSES.

Our grafted roses are fine, bushy plants and grown in 3 and 3 1/2-inch pots. Orders booked now for delivery in May, June and July. Bride-maid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. Send for Catalogue.

J. L. DILLON, Bloomsburg, Pa.

CHRYSANTHEMUMS.

	Delivery to April 1.	April & May
	Per 100	D'v'y. Per 100
Mrs. Coombes.....	\$3.00	\$2.00
Yanariva.....	2.00	1.50
Alice Byron.....	6.00	4.00
Mme. Cadbury.....	6.00	4.00
Mrs. Tranter, pure white.....	4.00	3.00
Adrian.....	2.00	1.50
Mrs. Robinson, extra fine stock.....	1.50	1.25
Mrs. F. J. Taggart.....	2.01	1.50
P. J. Taggart.....	6.00	4.00
Robt. Halliday.....	2.00	1.50
Mrs. H. Emmerton.....	8.00	6.00

Prices are for rooted cuttings. Prompt shipment. Orders booked for later delivery. Not less than 25 of a kind at above rates. Send for price list of other varieties. W. A. CHALFANT, Springfield, Mo.

Please mention the American Florist when writing.

Geraniums..

	Per 100
10 var., fine, 2 1/2-inch pots.....	\$3.00
Colens, 10 varieties, 2-inch pots.....	2.00
Vinca Var. Vinca, 2-inch pots.....	2.50
Asp. Plumosa Nanus Seeds, per 1000.....	\$7.00; 1.00

—CASH PLEASE.—

JOS. H. CUNNINGHAM, Delaware, Ohio.
Please mention the American Florist when writing.

Mrs. Fisher Best standard white for summer flowering. Strong rooted cuttings, \$1.25 per 100; \$10.00 per 1000.

A. CHRISTENSEN, Stoneham, Mass

Please mention the American Florist when writing.

GERANIUMS Rooted Cuttings.

50,000 ready March 15. Send for list of varieties and price.
150,000 ready April 15th. Those now in sand all sold.

ALBERT M. HERR, Lancaster, Pa.
Please mention the American Florist when writing

"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.

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE,
Box 226. KENNETT SQUARE, PA.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

BOSTON FERNS 8 cts.

Strong bench plants, fit for 5-inch.

AGERATUM, Gurney, Pauline; GIANT MARGUERITE DAISY, White; SALVIA, Splendens, Silver Spot, Bonfire. PETUNIA, double, 15 kinds. VINCA, variegated, 2-inch, 2c.

REX BEGONIA, 4 sorts, 3c.

Rooted Cuttings Prepaid. SALVIA, Silver Spot, Bonfire, Splendens. STEVIA, variegated, 90c per 100. AGERATUM, White, S. Gurney, P. Pauline. ALTERNANTHERA, red, yellow, COLEUS, 10 kinds, 50c per 100. PINKS, 5 fine kinds, 75c per 100. PETUNIA, double, 15 kinds, \$1.00 per 100. FUCHSIAS, 5 kinds, \$1.25 per 100. DAISY, \$1.00 per 100.

Primula Obconica Grandiflora, in bloom 2-inch, \$1 per 100. No order taken for less than 50 unless ordered with other stock.

CASH

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.

HARDY CUT FERNS



Both Fancy and Dagger, \$1.50 per 1000. Sphagnum Moss, fine quality, 50c per hbl. Laurel Festooning, fine, heavy and hand made, \$5.00 per 100 yds. Bouquet Green Festooning, \$5.00 per 100 yds. Elm and Maple Trees, for spring planting. Cash with order or no goods shipped. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, HINSDALE, MASS.

Please mention the American Florist when writing.

Asparagus and Palms

We have a fine stock of the above which we will offer until the stock is reduced at the following prices:

	Per 100
Asparagus Sprengeri, 2-inch	\$2.00
" " 3-inch	3.50
Asparagus Plumosus, from flats	2 25
" " 2-inch	3.00
" " 3-inch	6.00
Kentia Bel., 2 1/2-in. pot, 8-10 in., 2-3 leaves	12.00
" " 2 1/2-in. pot, 15-18 in., 3-4 leaves	15.00
" " 3-in. pot, 15-18 in., 4-5 leaves	18.00
" " 3-in. pot, 18-24 in., 5-6 leaves	20.00
Latania Bor., 2-in. pot, seed leaves	5.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	20.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	30.00

Sherman Nursery Co., CHARLES CITY, IOWA.

Please mention the American Florist when writing.

Geo. Wittbold Co.,

1657 Buckingham Pl., CHICAGO, ILL.

Send for Price List on all

Palms and Ferns

Please mention the American Florist when writing.

PIERSON FERNS VERY TRUE STOCK.

Strong 2 1/4-inch stock.....\$12.50 per 100
Strong 3-inch stock..... 2.00 per 100
Strong rooted runners..... 8.00 per 100
Cash with order. Satisfaction guaranteed.

BAUR FLORAL CO., Erie, Pa.

Please mention the American Florist when writing.

ROSES.

Special in 3-in. Golden Gate, Ivory and Liberty. All other stock ready to go out in 2 x 2 1/2-inch.

ASPARAGUS, Plumosus Seedlings in 2 1/2, 3 and 4-inch Sprengeri in 2, 3 and 4-inch.

GERANIUMS in 2, 2 1/2 and 3-inch. COLEUS, Rooted Cuttings and in 2-inch.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

Asparagus, Ferns, Palms, Etc.

Asparagus Sprengeri, \$2.50 per 100; 3-inch pots, \$3.50 per 100.

Boston Fern, \$3.50 per 100; 3-inch pots, \$6.00 per 100.

Kentia Belmoreana, strong, hushy, 3-inch pot plants, \$12.00 per 100; 4-inch pot plants, 15 inches high, \$30.00 per 100.

Coccoloba Weddelliana, 3-inch pots, 10 inches high, \$15.00 per 100.

Carnations, strong pot plants from selected cuttings. Per 100

Enchantress.....	\$6.00
Mrs. Lawson.....	3.00
Queen Louise.....	2.50
White Cloud.....	2.50

Carnations. Per 100

Flora Hill.....	2.50
George H. Crane.....	2.50

Geraniums, well established plants from 2 1/4-inch pots. All the standard varieties at \$3.00 per 100; \$25.00 per 1000. Our choice of varieties, good assortment of colors, \$2.50 per 100; \$20.00 per 1000.

Headquarters for best stock of Dormant Hybrid Perpetual, Moss, Crimson Rambler and Tree or Standard Roses.

Rhododendrons, Azalea Mollis, Clematis and a full line of Hardy Shrubs, Vines and Plants.

Catalogues and price lists free.

The STORRS & HARRISON CO.

Painesville, Ohio.

Please mention the American Florist when writing.

BOSTON and PIERSONI FERNS.

POT-CROWN PLANTS. FINEST QUALITY.

BOSTON—2 1/4-in. \$3.50; 3-in. \$8; 4-in. \$15; 5-in. \$25; 6-in. \$40; 7-in. \$60; 8-in. \$75 per 100. PIERSONI—Strong, rooted runners reduced to \$5 per 100; 2 1/4-in. \$8 per 100; 4-in. 35c each; 5-in. 50c each. A trial order will convince you as to the superior quality of our ferns. Any number at above prices.

ALTERNANTHERA, Red and Yellow, strong rooted cuttings, 50c per 100; \$4 per 1000. Special price on larger quantities. Cash with order.

DAVIS BROS.,

GENEVA, ILL. AND MORRISON, ILL.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus

2 1-2-inch stock in fine shape at \$3.00 per hundred.

HOLTON & HUNKEL CO., Milwaukee, Wis.

Albert Fuchs,
PALMS, FERNS, FICUS.
Established 1884. CHICAGO, 2048-58 Clarendon Ave.

A FEW GOOD THINGS YOU WANT.

An extra fine lot of PALMS and BOSTON FERNS grown especially for Christmas sales.

ARECA LUTESCENS, 3 plants to pot, 4, 5 and 6-inch, \$25, \$40 and \$100 per 100.

KENTIA BELMOREANA and FORSTERIANA, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

VINCA VARIEGATA, 2-inch, \$2.00 per 100.

CARNATIONS, Queen Louise, 2-in., \$2.00 per 100. Lawson, 2-inch, \$2.50 per 100.

GERANIUMS, 2-in. pot plants Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, \$2.50 per 100.

ROOTED CARNATION CUTTINGS, Queen Louise \$1.00; Lawson and Prosperity, \$1.50; Crocker and Goodenough, \$1.00 per 100.

GLADIOLUS BULBS, fine mixture, \$1.00 per 100.

CASH OR C. O. D.

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

Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100 In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. Asp. Sprengeri, 4-inch, \$6.00 per 100. Dracaena Indivisa, 3-inch, strong, \$8.00 per 100. Kentias, Ficus.

L. H. Foster, 45 King St., DORCHESTER, MASS.

ARAUCARIA EXCELSA. From 20, 23-25 inches high, 6 inch pots, perfect plants, 75c, \$1.00 to \$1.25 each. Extra large specimens, 8-inch pots, 28 to 35 inches high, 25 to 32 inches across, (show plants), only \$2.50 to \$3.00 each, (worth \$10.00 retail). 5 1/4-inch pots, 40 to 50c each.

FICUS ELASTICA. (Rubber Plants). 6-inch pots from 20 to 28 inches high, \$2.00, \$3.00, \$4.00, \$5.00 and \$6.00 per doz.

DRACAENA BRUANTII. 6-inch pots, 20 to 25 inches high, (to make room for Easter plants), cut down from 50c to 35c.

BEGONIA PRES. CARNOT. 6-inch pots, in bud and and bloom, \$2.50 per doz. Other mixed varieties 4-inch pots, \$1.80 per doz.

CYCLAMENS. In bud and bloom, \$2.00 per doz.

PRIMULA OBCONICA. 4-inch, in bloom, \$1.80 per doz.

Cash with order please. Plants are shipped at purchaser's risk.

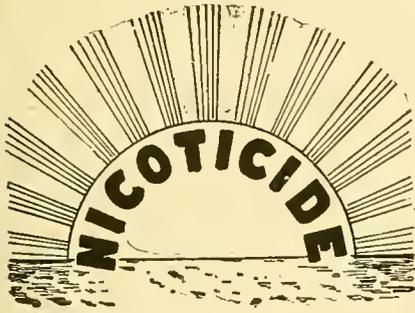
GODFREY ASCHMANN,
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Bell Telephone Tinga 3669 A.

JOSEPH HEACOCK, WYNCOTE, PA.

GROWER OF
Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana

For our prices see page 551, Nov. 7th issue.

Always mention the American Florist when you order stock.



BUG KILLER

THERE IS
NOTHING
"JUST AS GOOD."

The Tobacco Warehousing & Trading Company
Louisville, Kentucky.

TOBACCO STEMS

ALL AVAILABLE
QUALITY GUARANTEED

IN PRESSED BALES }
About 500 Lbs. Each } **\$1.00**
Price per 100 Lbs. }

E. F. WINTERSON CO.
45-47-49 Wabash Ave., CHICAGO

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1866

EMIL STEFFENS

SUCCESSORS
R. STEFFENS
AND STEFFENS BROS.



335 EAST 21ST ST. NEW YORK CITY.

Please mention the American Florist when writing.

Fumigating Kind Tobacco Powder

KILLS ALL APHIS IN ONE NIGHT
In a house 1000 ft. at a cost of
10c. A 5 lb. trial pkg. will cost
nothing if you will pay the express charges on
it. Our booklet tells (fit. Write Dept. C. F. R. T.
The H. A. STOUTHOPE COMPANY
116, 117, 118 West St., N. Y. City

Rose Bone

TO FEED YOUR ROSES.
200 pound Bag \$4.00.

WM. ELLIOTT & SONS, New York.

KIFT'S PATENT ADJUSTABLE VASE HOLDER.

No. 1.—Brass, nickel, 4 feet long, 6 clasps to each
rod. Price complete (with green or white tum-
blers) \$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, 1 1/4-inch diameter, per 100, \$3.50.
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1904 Directory

(LATEST EDITION.)

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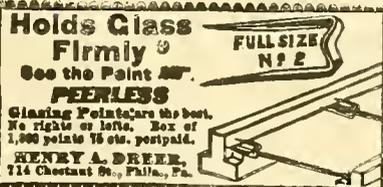
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what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

Minneapolis.

Lent is again with us and a decline in the cut flower trade is expected. The cuts are increasing daily, and prices will also take a step or two downward. Saturday was a day of good sales, caused by the deaths of several prominent citizens. Social functions of the large order have been at low ebb the past week and decorative stock was at a standstill. American Beauty roses of good stem found ready purchase for funeral occasions. Red roses of all varieties are hard to secure as are the white. Bridesmaid have appeared in quantities. White carnations are limited somewhat, but no decided shortage was experienced in any variety of color. Enchantress and Lawson are holding their own with size, color and keeping qualities of the highest. Violets since Valentine's day have not been in steady demand. Bulbous stock in supply for all calls. Trade in general was good the past seven days.

A call on James Lyles, of Northrup, King and Company's retail store finds preparations going on for a large spring trade. This is one of the most complete seed stores of the northwest and will compare with any in the east. Canary birds and gold fish with accessories are also handled in large quantities.

R. Will & Son are marketing some choice Enchantress, Lawson and Crane carnations; white is not appearing in large numbers with them. Otto Will was ill again from a relapse of his last sickness, but is able to be up once more.

Ted Nagel, who was manager of the downtown store of Nagel & Company, recently sold this part of the business to R. A. Latham, has bought one-half interest in the greenhouse of his father, E. Nagel.

James Souden, of Wm. Donaldson & Company, is as busy as ever with the growing, and some choice stock can be observed as the result of his earnest work.
C. F. R.

Cincinnati.

The advent of Lent was not very encouraging to the florists for it seemed as though the bottom dropped out of the business, until Saturday, when things started off with a rush and have held up very well since, with a very good supply of roses and carnations. It is an easy matter for both wholesaler and retailer to fill orders, and it is a pleasure to announce that no orders are being turned down. There is a slight scarcity of Beauty and Liberty roses but there are some for every order. Lily of the valley is in oversupply, as are nearly all kinds of bulbous stock except callas and Harrisii which bring \$1.50 and \$1.80 per dozen, respectively. Smilax and asparagus are in good demand, also fern leaves. Violets have dropped twenty-five per cent in price and 75 cents buys 100 good blooms at present.

J. M. Gasser, of Cleveland, O., en route from the south, called on several of the craft in this city. Mr. Gasser said he was somewhat improved in health, and was anxious to get back home as his large business interests required his attention.

Mr. Murphy and Thomas Windram left for Chicago and Joliet Monday night to visit some of the large carnation growers of these two cities. On their return trip will stop off at Lafayette, Ind., to visit Dorner & Sons.

Harry McCullough has returned from Florida very much improved in health.
A. O.



GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF
YOUR GLASS.
DES PLAINES, ILL.
SEND FOR CATALOGUE.

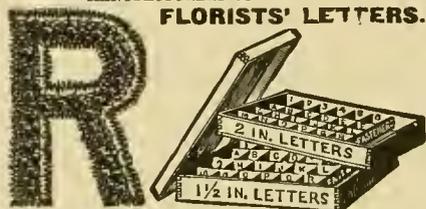
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Block Letters, 1 1/2 or 2-inch size, per 100, \$2.00.
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Corner Lock Style.

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Size No. 0.	3x 4x20	\$2.00	\$19.00
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" 2.	3x 6x18	2.00	19.00
" 3.	4x 8x18	2.50	23.00
" 4.	3x 5x24	2.75	26.00
" 5.	4x 8x22	3.00	28.50
" 6.	4x 8x28	3.75	36.00
" 7.	6x16x20	5.50	54.00
" 8.	3x 7x21	3.00	28.50
" 9.	5x10x35	6.50	62.00
" 10.	7x20x30	9.50	67.50
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It is not too early to order your Easter Baskets. Let us advise you with a catalogue of our new things. Write now.

Everything needed in a Florist's stock at lowest wholesale figures.

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BALTIMORE, MD.—Gardeners' Club of Baltimore. Royal Arcaum 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.

BOERON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets third Tuesday of each month. October to March inclusive. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, 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.

BUTTE, MONT.—Montana Florists' Club, 45 W. Broadway. First Saturday in each month. D. E. Law, Sec'y.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third 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. Murphy, Sec'y, Sta. F. Cincinnati, O.

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, Westpark, O.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Sec'y.

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.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Sec'y, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Chas. M. Webster, Sec'y.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Tuesday of each month at 8 p. m. J. F. Coombs Sec'y.

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.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Redstone, Sec'y.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Tuesday of each month at St. Charles Hotel club rooms. H. V. Hunkel, Sec'y.

MINNEAPOLIS, MINN.—Minneapolis Florists' Club, West Hotel. First Thursday of each month, at 8 p. m. C. F. Rice, Sec'y, 125 N. Sixth 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 BEDFORD, MASS.—New Bedford Florists' Club, second Thursday of each month. Wm. P. Pierce, Sec'y.

NEW LONDON, CONN.—Gardeners' and Florists' Club, first and third Tuesday of each month at greenhouses of secretary. H. H. Appeldorn, Sec'y.

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For Greenhouses.

ALSO CEDAR POSTS of ALL LENGTHS and DIMENSIONS.

Having had an extensive experience in the line of Lumber and Posts needed for Greenhouse work, I am prepared to meet all inquiries. Send for prices.

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Send for Catalogue and full information.

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- 12 60x16 horizontal tubular boilers, in excellent condition, complete with fronts and all castings and fittings, each.....\$295.00
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And a hundred other boilers in various sizes.

- 100,000 feet 4-inch boiler tubes, in good condition, overhauled, rattled, squared ends, which we furnish with sleeve couplings, per foot..... .10
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A million feet of standard black wrought iron pipe, overhauled, with threads and couplings; sizes from 3-8 to 16-inch.

Good second hand Globe, Angle, Check, Gate and Pressure Valves at low prices.

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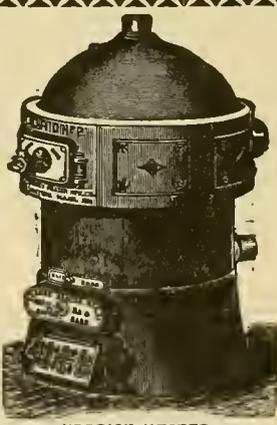
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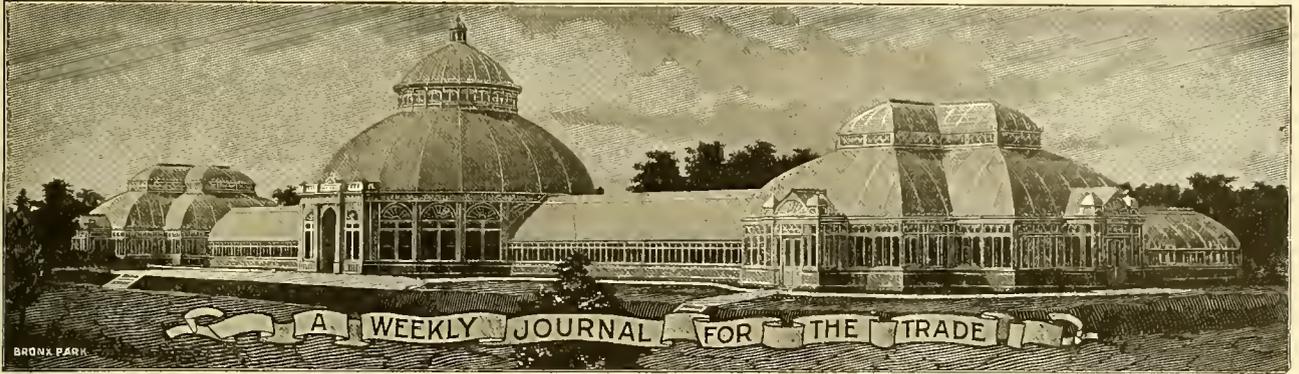
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Vol. XXII.

CHICAGO AND NEW YORK, MARCH 5, 1904.

No. 822.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—PHILIP BREITMEYER, Detroit, Mich.,
president; J. J. BENEKE, St. Louis, Mo., vice-
president; WM. J. STEWART, 79 Milk St., Boston,
Mass., secretary; H. B. BEATTY, Oil City, Pa.,
treasurer. Twentieth annual meeting at St. Louis,
Mo., August, 1904.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Chicago, 1905. ALBERT
M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Philadelphia,
March, 1904. LEONARD BARRON, 136 Liberty St.,
New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November,
1904. FRED H. LEMON, Richmond, Ind., secretary.

Daddy's Seedling Pink.

A genuine sensation
Is daddy's seedling pink.
All gaze in admiration
On daddy's seedling pink.
From stem rot, rust and spot she's free,
She's everything a pink should be.
All winter she's a sight to see!
Daddy's seedling pink.

Her pedigree's extended—
Daddy's seedling pink.
She's from high blood descended—
Daddy's seedling pink.
She's ten times crossed and intercrossed
Upon a white whose tag was lost:
'Twould never do to count the cost
Of daddy's seedling pink.

She'd scorn to be a burster—
Daddy's seedling pink.
On all soils you can trust her—
Daddy's seedling pink.
Where'er her dazzling petals spread,
All others seem but dull brick red;
Even Lawson bows her haughty head
To daddy's seedling pink.

Four inches she will cover—
Daddy's seedling pink.
Her stem's two feet and one—
Daddy's seedling pink.
From early fall till late in June
She'll be the happy florist's boon;
We'll put her on the market soon—
My daddy's seedling pink.

American Carnation Society.

THIRTEENTH ANNUAL MEETING, DETROIT, MICH., MARCH 2-3, 1904.

Chicago Secures Next Convention.

The thirteenth annual meeting of the American Carnation Society was held at Detroit, Mich., March 2-3. In point of attendance, excellence of the exhibition, enthusiasm of delegates and profitable results obtained, the convention must be put down as a red letter event in the annals of this thriving organization. The delegates began to arrive in large

adapted for the convenience of a large assemblage.

Wednesday Evening Session.

This was the first scheduled session of the convention. The meeting was called to order by President Rackham, who introduced President Flowerday of the Detroit Florists' Club. The latter extended a hearty welcome to the visiting florists asking them to command the services of all members of the club who would do everything possible to make their stay in Detroit of pleasure and interest. He then introduced Hon. Mayor Maybury, who extended a hearty welcome to the visitors in behalf of the city. He dwelt upon the city's beauty and the hospitality of its citizens. He referred to the nearby city of Mt. Clemens where he said baths could be had and the finest flowers grown. He referred to the pioneer firm of florists, John Breitmeyer's Sons, which had done so much for floriculture during the long life of that firm. He spoke of the wild roses of Michigan of which he had heard so much.

He gave an eloquent tribute to the beauty of flowers and referred feelingly to the kind and generous hearted McKinley, who so loved the carnation.

President Rackham then introduced Wm. Scott, who responded to the mayor's address. He said the society was familiar with the hospitality of Detroit which was learned on the occasion of the S. A. F. meeting here a few years ago. He spoke of the Society of American Florists out of which this great society sprung. At the time the American Carnation Society was organized the carnation was neither prominent nor at all well grown and he claimed the present exhibition the grandest ever yet made.

A cablegram was read from A. Herington from England expressing his regret at not being present. J. H. Dunlop also wired his inability to get to Detroit because of a heavy snow storm. President Rackham then read his address which will be found in another column. E. H. Cushman made a motion to refer the address to a committee of three to report at the next session and E. H.



President-elect James Hartshorne.

numbers on Tuesday and they were directed and admirably entertained by the committees of the Detroit Florists' Club under whose auspices the convention was held. The club members and florists of Detroit shouldered the arduous task and the manner in which the programme was carried out speaks well for the excellency of the arrangements.

The sessions were held in Harmonie Hall, the spacious halls being admirably

Cushman, Wm. Scott and Jas. S. Wilson were appointed. Secretary Herr then read his report, which was formally accepted as read. The treasurer's report was next read and formally received. Favorable comment was made on its completeness. President Rackham next referred to the constitution and by-laws under which the society has worked during the past year. He pointed out some of the defects of the present constitution, which is really without by-laws. Mr. Hill made a motion to continue the operation of the present constitution, which was carried.

H. M. Altick reported on the Carnation League. He spoke of the progress being made and said he had sent out ten thousand subscription lists and generous responses were being received. His report was accepted and his committee was continued.

W. N. Rudd's paper was then read, the full text of which will be found in another column. J. F. Sullivan opened the discussion on the subject and cheerfully endorsed all Mr. Rudd said. He emphasized the importance of a press committee which could be relied upon to give reliable data to the daily papers. E. H. Cushman also commended the paper. Lewis Ullrich, of Tiffin, O., said that many exhibits were not properly arranged, referring particularly to collections and citing examples at the present show. Wm. Scott likened the paper to a text book on the subject. He referred to the difficulty of making flower shows self sustaining and said that an effort should be made to associate some society fad with flower shows that they may be more popular. Mr. Rudd was given a vote of thanks.

The report of judges on preliminary certificates was read and adopted, as were the other classes. The Massachusetts Horticultural Society sent a telegram asking for the next meeting at Boston. The Chicago Florists' Club also sent a communication asking for the

meeting. Jas. Hartshorne made a motion, which was seconded, to take the meeting to Chicago. E. N. Peirce, of Waltham, Mass., favored Boston, but admitted not being authorized to speak for the state. Wm. Nicholson favored Chicago next year and Boston the year following. Wm. Gammage, of London, Ont., said that Canada would invite the society in 1906. E. Gillett made a motion to close the nominations and to accept Chicago. The motion was carried.

The following names were then placed in nomination for the various offices: For president, James Hartshorne, of Joliet, Ill.; for vice-president, Peter Reinberg, of Chicago, and Wm. Gammage, of London, Ont.; for secretary, A. M. Herr, of Lancaster, Pa.; for treasurer, Fred. Dorner, of Lafayette, Ind. The following were named as directors: William Weber, E. Dailedouze, Flatbush, N. Y.; E. Gillett, J. S. Wilson and J. F. Wilcox. C. W. Ward withdrew.

Before the evening adjournment an invitation was extended by Philip Breitmeyer to the society and visitors to visit the Breitmeyer establishment at Mt. Clemens.

Thursday Morning Session.

The election of officers was first taken up with the following result: President, James Hartshorne; vice-president, William Gammage, who secured twenty-seven votes to Peter Reinberg's twenty-five; secretary, A. M. Herr; treasurer, Fred Dorner, Jr. All of the directors named on the preceding day were elected.

While the counting of the ballots was in progress, J. A. Valentine suggested that the American Rose Society might hold its next convention in the same city and at the same time as the next convention of the American Carnation Society. The chair appointed a committee of three to confer with the officers of that society toward that end.

Wm. Scott, of Buffalo, then read his paper entitled, "The Exhibition of Carnations on Lines Similar to Those of the Chrysanthemum Society." H. M. Altick opened the discussion on the paper and heartily endorsed it. W. N. Rudd said it was impracticable to set the society's seal of actual commercial value on a variety when it appeared, formally offered to the trade. He deplored any attempt to adopt drastic measures to regulate the dissemination of novelties in carnations. C. W. Ward, in discussing it, said that conditions varied so much it is impossible for one man or society to determine for all localities the exact commercial value of novelties. He endorsed the ideas of Mr. Rudd on the subject. J. A. Valentine said that no one was obliged to buy a novelty immediately on its first appearance, and advised some to wait awhile and let the other fellow try a shot at it. Mr. Ward, resuming, said a grower should pay more attention to the growing of a variety and not so much to the acquisition of untried varieties. He said Mr. Valentine's suggestion to let the other fellow buy first was a good one, and that it was not practical to put into operation an ironclad system or method of determining precisely the value of a variety. E. N. Peirce, of Waltham, Mass., said he had a great deal of confidence in the seal of the society; a variety grown in two different locations often showed a great difference in the results; the disseminator who was lucky enough to get a certificate conveyed many times a false standard of the merit of varieties taking such premiums or certificates. A. F. J. Baur commented on the same lines of thought. E. G. Hill said all should buy all new varieties (humorously), and referred to Mr. Altick's idea of giving a certificate to a variety on its appearance the second and third day after being staged. J. A. Valentine moved that a vote be given Mr. Scott for his able paper. Carried.

REPORT ON PRESIDENT'S ADDRESS.

Your committee makes the following



ROSES EXHIBITED AT THE DETROIT CONVENTION OF THE AMERICAN CARNATION SOCIETY BY PETER REINBERG, CHICAGO.



GENERAL VIEW OF THE AMERICAN CARNATION SOCIETY'S EXHIBITION AT DETROIT, MARCH 2-3.

recommendations: First, that the certificated varieties intended for dissemination in the following year be sent to localities for trial as the board of directors may direct, under proper restrictions; reports of such trials should be made to the secretary of the American Carnation Society by the individual grower, or a committee of a local club. Second, we recognize the value of the suggestion to curtail the list of varieties as now printed in our reports, and believe that some action is desirable, and would recommend that the board of directors take the matter up and see if this cannot be accomplished. Third, that the value of the carnation as a pot plant should be recognized and encouraged, and we suggest to this end that a special exhibition class be created, and that carnationists be urged to develop varieties suitable for pot culture.

E. H. CUSHMAN,
WILLIAM SCOTT,
J. S. WILSON.

A motion to adopt the report failed to carry, and an amendment by Mr. Rudd prevailed to adopt only that portion referring to pot plants.

C. W. Ward wanted the date of the annual meeting and exhibition put back where it was, earlier in the season. Secretary Herr then stated that he agreed with him, because many had told him they would not go to the meeting because they had already bought their new varieties and had not so much interest in it at such a late date. Wm. Scott said he liked the later date, but said it should be left largely to the large growers, who really made our exhibitions. Mrs. Vesey said the present date would be good for the standard varieties, but not so good for seedlings. E. Gillett

moved to put it back to the original date. After much discussion it was decided to make that recommendation, leaving the definite date, however, with the directors and the Chicago Florists' Club.

Mr. Rudd then spoke of the matter of judging, and moved that three men should be elected to act as regular judges for the society, and that the traveling expenses or a part thereof should be defrayed by the society. A committee was then appointed to name nine persons from whom the three judges should be elected. The following were named as candidates: W. N. Rudd, Wm. Nicholson, E. Dailedouze, J. A. Valentine, Fred Dörner, R. Witterstaetter, E. Buettner, Wm. Scott and A. Graham. Of these the following were then elected to serve as official judges: W. N. Rudd, three years; Wm. Scott, two years; Wm. Nicholson, one year.

The chair then appointed Messrs. J. A. Valentine, E. G. Hill and E. Dailedouze to consider the matter of affiliating with the American Rose Society at the next annual convention. Messrs. Wm. Scott, A. Baur and Wm. Weber were appointed to constitute the committee on final resolutions.

A question asking for the best five varieties for outside summer blooming was referred to C. H. Allen, Wm. Scott and Peter Fisher.

The matter of the incomplete by-laws was considered. A question was raised because of the present indefinite time at which the terms of new officers take effect. May 1 after the election was fixed as the inauguration day, on motion of Wm. Scott.

At the complimentary banquet in the evening, tendered by the Detroit Florists' Club, President Flowerday pre-

sided as toastmaster and responses were made to toasts as follows: "Our Ex-Presidents," W. N. Rudd; "Carnations, Roses and Chrysanthemums, Their Friends and Admirers," E. G. Hill; "The Dominion of Canada," Wm. Gammage; "Has It Ever Occurred to You?" Lewis Ullrich; "Society of American Florists," President Breitmeyer; "Flowers and the Sick," Dr. E. B. Smith; "Carnation League," H. M. Altick; "The Carnation in the Past," Geo. A. Rackham. Alexander Wallace sang some selections and remarks were made by President-elect Hartshorne and Theo. Wirth.

President Rackham's Address.

Were I a believer in signs or omens I should be fearful of the success of this meeting, for it is the thirteenth convention of our beloved society, but I cannot doubt when I look at this large body of enthusiastic carnation growers that this will be the blue ribbon meeting of the society. I ask you as a personal favor to myself and the local club, to help make it so by attending the business meetings and taking part in any matters of interest to the society, for all meetings of any organization are dependent upon the help or the lack of interest of its members for their success or failure, and it is for you to make this meeting one of profit and benefit to each and every member if you will.

We are gathered together for the purpose of considering matters of interest to the members of this body, financially, educationally and socially. In a financial sense, the introducers of new varieties have come to exhibit the results of their patience and skill for your approval, and to sell as many rooted cuttings as

possible. The growers have come to inspect, find fault with, compare, criticise and buy as many as they feel they can afford to risk trying. And right here I wish to quote from the minutes of the first meeting of the society of Philadelphia, 1891 and 1892, one of the paragraphs in the report of the committee composed of Edwin Lonsdale, Wm. Swayne, C. W. Ward, C. J. Pennock, and Wm. Scott, upon one of the objects of the society, namely: To submit all new varieties to a test committee of practical and successful growers, to be located in different sections of the country. Now I believe if that was a good object then, it is one at present, and I do think no variety should be eligible for either a certificate or registration which has not been shown at least three times during the season, say October, January and April, for two years before such a committee. As we are to have a paper on this subject I will leave the matter in your hands with another quotation by the committee on awards, composed of John Westcott, Robt. Kift and H. H. Battles. "We are confident that the time is not far distant when the American Carnation Society will endorse cer-

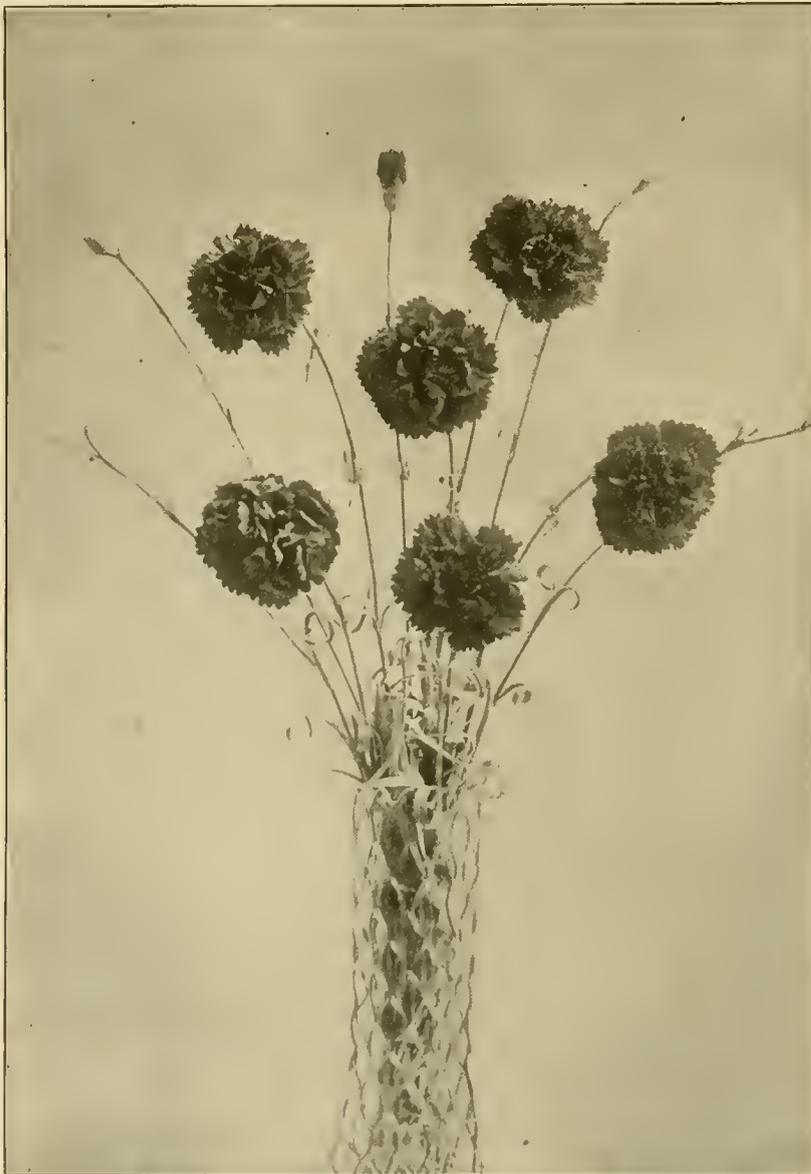
tain new varieties." This once done the buyer need have no doubts about the merits of that variety, and I venture to say if that were done in some honest and satisfactory way that our membership would be increased 100 per cent within two years. It is not the distributor that buys 20,000, 30,000 and 40,000 lots of new carnations who suffers by the failure of success of the variety, but the one who buys 100, 250 or 1,000 of them from the distributor. To me the matter seems a serious one and very difficult of solution. I will again quote from the proceedings of the society. Ex-President Nicholson in his address at Philadelphia said: "There is one thing that I think we ought to encourage as much as we can. People who have seedlings of merit and are thinking of disseminating them should send a few plants to prominent growers in the different parts of the country for trial, then people could see them growing without so great an expense." This I am glad to say is being done to some extent but not as largely as it should be.

In the matter of registration and certifying of new varieties, I find that of twenty varieties registered in 1897 and 1898, there is not one now under cultiva-

tion, and of twelve that received preliminary certificates of merit, there are but two, Lawson and G. H. Crane, now grown. Of the list in 1900 comprising those that received the three year certificates (twelve) only two are now grown, viz.: Estelle and Prosperity, and in another year these will be classed among the has beens. The registered ones number twenty-nine and but one, Queen Louise is now grown. In 1901 we find thirty-six varieties registered with but eight that are considered worth growing. In 1902 and 1903 we have thirty-two registered, with but nine that are thought good enough for sale. The list of names of varieties, February 1, 1899, only four years ago, gives the grand total at that time of 726, and it would seem to me that if worthless varieties are all registered and given certificates of merit, that in the near future it will tax the brain of originators of really meritorious varieties to find suitable names for the products of their skill.

From an educational point of view one who has not had the opportunity and pleasure of reading the proceedings of the twelve meetings which this society has held can have no conception of the work of the society in the past. Papers have been read and discussions had upon every subject in connection with the carnation, and such results have been obtained through the study and experience of the workers of this body that we can truthfully say it pays to be a member of the American Carnation Society. In the minutes of the first meeting, 1892, I find this paragraph: "First class blooms will readily sell for 75 cents to \$1 per hundred at any time, and during seasons of particular demand \$2.50 to \$3 is frequently obtained." (Note the difference). At the present time first-class flowers readily sell for \$2.50 to \$3 per hundred and during seasons of particular demand from \$6 to \$12. This change has been brought about through the introduction of better varieties, through better methods of growing gained by study and interchange of experience and through the making of the carnation more popular by exhibitions throughout the country, especially those of the American Carnation Society. We still have a great work to do, and one of the most important, I believe, is to produce and popularize the carnation as a pot plant. What could be more beautiful than a short stocky carnation plant with from twenty-five to fifty open flowers of the shade of Flamingo or Enchantress for Christmas, that in an 8-inch pot would retail from \$2 to \$5! Our growers of new varieties will do well to give a portion of their time and skill to the finding of a variety that will produce such a plant.

Edwin Lonsdale in his address to the society at New York on November 4, 1891, said: "The cultivation of the carnation as a pot plant is sadly neglected. To inaugurate a successful carnation exhibition we must have well grown specimen plants." Thomas Cartledge of Philadelphia said at Pittsburg, February, 1893, in a paper entitled "A Retailer's View": "Good pot plants for spring sales have been totally neglected, almost forgotten in the rush to grow cut flowers. We used to grow plants well in 4 and 5-inch pots, and they always sold. I do not remember any plant that was more attractive or sold better." The season that is past has been a hard one for the grower for various reasons, but we are all looking for better in the future. When we have secured Fiancee,



CARNATION CARDINAL.



C. W. Ward.
(His Book.)



Fred. Dorner.
(Raised Fiancee.)



Richard Witterstaetter.
(Raised Cardinal.)

THREE DISTINGUISHED CARNATION MEN AND THEIR RECENT ACHIEVEMENTS.

Flamingo, Reliance, The Belle, Lady Bountiful, Indianapolis and Albatross, and several other best commercial carnations, the life of the carnation grower will no doubt be one of joy and a continued round of pleasure.

Now to turn from labor to refreshment and consider our meeting socially. It is a well known fact that all work and no play becomes monotonous and tiresome, but we in the business know that times of play are few and far between. Let us improve the present in greeting old friends and making new ones; let us be free with one another and gather round the festal board, showing the sunny side of our natures in relaxation from the cares and worry of the daily grind; let us forget for a portion of the time at least, stem rot, aphids, thrips and all kindred pests and troubles.

In conclusion I wish to remind the society that it is now without by-laws (except those adopted by the directors at Milwaukee regarding exhibits) and I can not see how our secretary can register new varieties, collect a fee for so doing, etc. We are a new society, old things have passed away, and we are an incorporated body working under a new constitution. I hope that you may all have a good time and feel well repaid for coming to the meeting at Detroit.

Secretary Herr's Report.

Your secretary reports having issued the proceedings of the Brooklyn meeting after considerable delay, caused by our stenographer getting sick and losing part of his manuscript. He also reports that, aside from the few years that Mr. Wallace kindly did this work, there always has been trouble, and that imperfect reports of the proceedings were a result. It being impossible to get a stenographer who was acquainted with our floral terms, and being a new one each year, the names of speakers were hopelessly confused. Therefore your secretary strongly recommends the appointment of a permanent stenographer, on the same lines as the one employed by the Society of American Florists. The reports of our meetings are a permanent and

valuable contribution to carnation literature, and should not be made secondary to any other part of the work.

There were two meetings held by the board of directors, the first in Detroit, May 6, 1903, at which the preliminary premium list was adopted and afterward printed and sent to all the members. A second meeting was held in Milwaukee, August 18, 1903, at which papers were selected, writers assigned for the same, and some additions made to the premium list. The minutes of these meetings are here and may be read if desired. They will, of course, be in full in our annual report. The regular premium list was mailed to all members early in February, purposely a bit late, so that the matter of entries, etc., would not be set aside and forgotten, and a final postal card reminder February 22. An attempt was made to get reports from the various shows giving the merits and defects of the carnations shown throughout the country, so that a summary could be made covering the whole season. Your secretary wrote to members of the society in various sections where such shows were being held, also to the different secretaries of clubs holding such shows. About fifty letters were written, and the responses secured numbered three, one from your president, one from W. N. Rudd, and one from your secretary, so that this seems to be a matter of "love's labor lost," and we are left to rely on the trade papers for our information.

The matter of advertising in the premium list, which is a very necessary source of income to the society, is not quite up to the mark this season, in spite of the fact that strenuous efforts were made to increase this feature. In addition to the regular notice to the members over a hundred personal letters were written to advertisers of our and kindred products. There should be some method adopted whereby the society would have a larger and more permanent income than that derived from its limited membership and advertising. Our membership is constantly changing, and while we are adding a few each year over what we lose, we are hardly gaining enough to meet the increased demands upon our

income. The carnation is forging ahead very fast, and we need to give work and serious thought to our society so that it keeps up with the same rate of increase.

Treasurer's Report.

PERMANENT FUND.

Permanent fund, 1903.....	\$1,873.00
Received during year.....	37.21
Total.....	\$1,910.21

RECEIPTS.

Balance working fund, Feb. 19, '03.....	\$ 64.21
Cash received during year.....	955.41
Total.....	\$1,019.62

EXPENDITURES.

Total expenses.....	\$ 766.26
Cash on hand.....	253.36
Total.....	\$1,019.62

FRED. DORNER, JR., Treas.

Report of the Judges.

The judges in the various classes were as follows:

Classes A, B and C—Frank Holznagle, Geo. Bayer and Jno. Hartje.
Certificate of Merit—E. H. Beard, Phil. Hauswirth and Wm. Nicholson.

Classes D to O and Sweepstakes—W. N. Rudd, E. H. Cushman and Lewis Ullrich.

The awards made at the meeting were as follows:

CLASS A—ONE HUNDRED BLOOMS.

White.—Chicago Carnation Company, Joliet, Ill., first, with Alba; F. Dorner & Sons Company, Lafayette, Ind., second, with Lady Bountiful.

Daybreak pink.—W. K. Partridge, Cincinnati, O., first, with Enchantress; C. W. Ward, Queens, L. I., second, with Enchantress.

Lawson pink.—Chicago Carnation Company first, with Lawson; F. Dorner & Sons Company second, with Eclipse.

Scott shade of pink.—Cottage Gardens, Queens, L. I., first, with Ethel Ward; W. J. & M. S. Vesey, Fort Wayne, Ind., second, with No. 4.

Scarlet.—R. Witterstaetter, Cincinnati, O., first, with The Cardinal; Bassett & Washburn, Chicago, Ill., second, with Adonis.

Crimson.—Cottage Gardens first, with The President; Chicago Carnation Company second, with Harlowarden.

Yellow variegated.—Chicago Carnation Company first, with Dorothy Whitney; Bassett & Washburn second, with Gold Nugget.

White variegated.—Cottage Gardens first, with Judge Hinsdale; W. J. & M. S. Vesey second, with No. 8.

Any other color.—Chicago Carnation Company first, with Prosperity; J. D. Thompson Carnation Company, Joliet, Ill., second, with Prosperity.

CLASS B—FIFTY BLOOMS.

White.—Jno. Breitmeyer's Sons, Mt. Clemens, Mich., first, with Gov. Lowndes, The E. G. Hill Company, Richmond, Ind.; second, with Gov. Wolcott.

Daybreak pink.—Chicago Carnation Company first, with Enchantress; Jno. Breitmeyer's Sons second, with Enchantress.

Lawson pink.—W. J. & M. S. Vesey first, with Lawson; Chicago Carnation Company second, with Lawson.

Scott shade of pink.—H. Weber & Sons, Oakland, Md., first, with Genevieve Lord; Jno. Breitmeyer's Sons second, with Cressbrook.

Scarlet.—R. Witterstaetter first, with Adonis; H. Weber & Sons second, with Adonis.

Crimson.—Jno. Breitmeyer's Sons first, with Harlowarden; H. Weber & Sons second, with Harlowarden.

Yellow variegated.—F. Dorner & Sons Company first, with Dorothy Whitney; no second.

White variegated.—F. Dorner & Sons Company first, with Stella; no second.

Any other color.—Chicago Carnation Company first, with Prosperity; C. H. Kunzman, Louisville, Ky., second, with Prosperity.

CLASS C—TWENTY-FIVE BLOOMS.

White.—H. Weber & Sons first, with Norway; J. D. Thompson Carnation Company second, with Gov. Wolcott.

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

Any other color.—Chicago Carnation Company first, with Prosperity; no second.

SPECIAL PREMIUMS—CLASS D.

Jno. Breitmeyer's Sons' prize of \$50 for best collection of from fifty to 100 blooms of ten to fifteen varieties arranged for effect, Chicago Carnation Company; second, \$30, J. D. Thompson Carnation Company.

CLASS G.

Silver cup for best 200 blooms, one variety, any color, the E. G. Hill Company, with Adonis.

CLASS H.

Best collection not less than twenty-five blooms, no two of same variety, named and numbered, F. Dorner & Sons Company; second, H. Weber & Sons.

CLASS J.

"Enchantress challenge cup," offered by Peter Fisher, Ellis, Mass., and J. D. Thompson Carnation Company for best one hundred blooms of Enchantress, W. K. Partridge.

CLASS K.

Chicago Carnation Company's prize of \$15 for best 100 blooms of Harlowarden competing in Class A, H. Weber & Sons; prize for fifty blooms not awarded.

CLASS L.

Prize of \$25 offered by J. A. Valentine of Park Floral Company, Denver, for best blooms of undissected seedling shown by originator, divided by R. Witterstaetter, with 1000 A, and Dailedouze Brothers, Brooklyn, N. Y., with No. 144.

CLASS M.

Silver cup offered by Foley Manufacturing Company, Chicago, Ill., for best vase of undissected Michigan seedling, Jno. A. Frueh, Saginaw, Mich., with No. 115.

CLASS N.

Lawson gold medal, best 100 blooms, any variety, Chicago Carnation Company with Fiancee.

Lawson silver medal for second best 100 blooms, any variety, H. Weber & Sons, Gov. Lowndes.

CLASS O.

S. A. F. silver medal for best fifty blooms of undissected variety, R. Witterstaetter with The Cardinal.

SWEEPSTAKES.

Best vase in Class A, Bassett & Washburn with Lawson.

Best vase in Class B, Jno. Breitmeyer's Sons with Gov. Lowndes.

CERTIFICATES.

Preliminary certificate.—Cottage Gardens, No. 303, score 92 points.

Certificate of Merit.—Chas. Knopf, Richmond, Ind., Richmond Gem, score 85 points.

Jerome A. Suydam, Brooklyn, N. Y., Alarm, score 82 points.

John Murchie, Sharon, Pa., Fred Burke, score 88 points.

W. N. Rudd, Chicago, Ill., Phyllis, in poor condition.

J. E. Krayer, Yorkston, score 70 points.

Cottage Gardens, Lieut. Peary, score 85 points.

Jno. E. Haines, Bethlehem, Pa., No. 77, score 69 points; Juno, score 87 points; Star of Bethlehem, in poor condition.

R. Witterstaetter, Lillian May, score 88 points.

H. Weber & Sons, New Daybreak, score 80 points.

Geo. Guignet, Miss Helen Bosler, in poor condition.

Swan Peterson, No. 12, score 70 points; No. 9, score 68 points.

W. J. & M. S. Vesey, No. 8, score 78 points; No. 4, score 82 points.

W. J. Palmer & Son, Lancaster, N. Y., Red Lawson, score 87 points.

Miscellaneous Exhibits.

Peter Reinberg, of Chicago, showed a vase of Chatenay and a vase of Uncle John roses, all magnificent specimens.

J. A. Peterson, Cincinnati, O., made an exhibit of well grown plants of Begonia Gloire de Lorraine and Primula obconica, the latter of two colors, lavender and magenta.

Wm. Sim, of Cliftondale, Mass., showed four vases of Princess of Wales violets, also five vases of sweet peas, of the varieties Mont Blanc and Blanche Ferry.

Heller Brothers, New Castle, Ind.—Vase of Gen. MacArthur rose.

August Von Boeselager, Mt. Clemens, Mich.—Sweet peas, violets (Marie Louise) and one vase each Morning Glory and Lawson carnations.

H. R. Carlton, Willoughby, Ohio.—Single violet (Governor Herrick) richer in color than Princess of Wales.

John Breitmeyer's Sons.—Vase of their new rose, La Detroit.

Geo. Hopp, Grand Rapids, Mich.—Two vases of violets.



HILL'S VASE OF CARNATION ADONIS AT THE DETROIT CONVENTION.

Chris. R. Lund, Wausau, Wis., showed a "New Idea" carnation support.
John Morehead.—Steam trap.

Jottings.

The J. D. Thompson Carnation Company, of Joliet, Ill., sent 4,000 blooms, but unfortunately most of them went to sleep fifteen minutes after they were taken out of the boxes and consequently they were out of the running.

As expected, The Cardinal won in the 100 scarlet class. The consensus of opinion is that it is a great carnation with a bright future.

The Visitors.

The attendance was unusually large and among those present we noted the following:

Chicago: Geo. Asmus, A. Beuson, L. Coatsworth, P. J. Foley, Phil. J. Hauswirth, J. E. Jensen, Leonard Kill, A. Lang, J. C. Moninger Company, W. L. Palinsky, Peter Reinberg, W. N. Rudd, W. J. Smyth, J. D. Thompson, C. L. Washburn, N. Wietor, J. S. Wilson, Adam Zender.

Buffalo: W. F. Kasting, J. E. Palmer, W. J. Palmer, W. Scott.

Cincinnati: Wm. Murphy, W. K. Partidge, J. A. Peterson, Richard Witterstaetter.

New York: H. A. Bunyard, J. B. Nugent, Jr., Frank H. Traendly, Alex. Wallace.

Lansing, Mich.: J. A. Bissinger, C. W. McDowell, Smith & McDowell, G. B. Smith.

Cleveland: H. Bate, S. M. Penticost, F. R. Williams.

Indianapolis: A. F. J. Baur, Jno. Bertermann, Jno. Hartje.

Richmond, Ind.: Jno. A. Evans, Chas. Knopf, E. G. Hill.

Lafayette, Ind.: F. Dorner, Theo. Dorner.

Toledo, Ohio: Jno. Barrow, S. N. Peck.

Boston: W. J. Stewart, P. Welch.

Glenville, Ohio: A. Schmitt, Charles Schmitt.

Oakland, Md.: Jno. W. Weber, Wm. Weber.

Jamestown, N. Y.: Walter Mott, C. H. Roney.

Adrian, Mich.: L. H. Reisig, Elmer Smith.

Ionia, Mich.: J. B. Amphlett, C. B. Derthick.

Grand Rapids, Mich.: Geo. Crabb, H. Smith.

Saginaw, Mich.: John Fruch, H. Goetz.

Kalamazoo, Mich.: J. R. Van Bochove, A. Westveer.

De Haven, Pa.: J. L. Wyland, Jos. Wyland.

C. Allen, Floral Park, N. Y.; H. Altick, Dayton, O.; H. B. Beatty, Pittsburg, Pa.;

S. E. Bennett, Rockville, N. Y.; A. C. Benson, Hinsdale, Ill.; Peter Beuerlein, Elmhurst, N. Y.; E. H. Blind, West View, Pa.;

Rudolph G. Boehringer, Bay City, Mich.; A. C. Brown, Springfield, Ill.; F. P. Butz, New Castle, Pa.; C. P. Dudley, Parkersville, W. Va.;

B. L. Elliott, Cheswick, Pa.; Wm. Gammage, London, Ont.;

E. B. George, Painesville, O.; Irving Gingrich, South Bend, Ind.;

C. G. Guenther, Hamburg, N. Y.; Carl Hagenburger, West Mentor, O.;

Jno. E. Haines, Bethlehem, Pa.;

W. E. Hall, Clyde, O.;

R. B. Hayes, Shelby, O.;

A. M. Herr, Lancaster, Pa.;

Wm. Jackson, Glendale, O.;

C. H. Kunzman, Louisville, Ky.;

Chris Lund, Wausau, Wis.;

C. H. Maynard, Allen, Mich.;

Wm. Merkel, Mentor, O.;

F. L. Metcalf, Hopkinsville, Ky.;

John Murchie,



HARTSHORNE'S VASE OF CARNATION FIANCEE AT DETROIT CONVENTION.

(Awarded Lawson Gold Medal.)

Sharon, Pa.; Wm. Nicholson, Framingham, Mass.; D. C. Noble, Columbia City, Ind.; E. N. Peirce, Waltham, Mass.; S. Peterson, Gibson City, Ill.; W. A. Rowlands, Utica, N. Y.; Wm. Sim, Cliftondale, Mass.; S. S. Skidelsky, Philadelphia; L. E. Small, Tewkesbury, Mass.; H. P. Smith, Piqua, O.; T. B. Stroup, New Philadelphia, O.; Wm. Swayne, Kennett Square, Pa.; F. B. Tinker, Peru, Ind.; Lewis Ullrich, Tiffin, O.; J. A. Valentine, Denver, Col.; John Walker, Youngstown, O.; C. W. Ward, Queens, N. Y.; J. F. Wilcox, Council Bluffs, Ia.; Fred. Windmiller, Columbus, O.; Theo. Wirth, Hartford, Conn.; Henry Young, Ada, O.; Nic Zweifel, North Milwaukee, Wis.

President-Elect James Hartshorne.

James Hartshorne, president elect of the American Carnation Society, needs no introduction to our readers. He is well known throughout the country and has done much to develop his favorite flower. He has raised many meritorious carnations which are known throughout the country. Among them we find Marshall Field, variegated; Mrs. Potter Palmer, scarlet; Mrs. Higinbotham, pink; Harlowarden, maroon, and Crusader, scarlet. He was in a measure instrumental in developing the fame of Mrs. Thomas W. Lawson, Peter Fisher's well known product. Mr. Hartshorne

has now secured a large interest in Richard Witterstaetter's Cardinal, winner of the first prize for best 100 scarlet at the Detroit meeting, and acquired the splendid Fiancee, winner of the gold medal, some time ago from the Fred Dorner & Sons Company, of Lafayette, Ind. He has not missed a meeting of the American Carnation Society since the Chicago meeting in 1898. Some particulars of his career appeared in our issue of January 28, 1899, and they are reproduced herewith as follows:

"Mr. Hartshorne was born in Shropshire, England, thirty years ago. He came to America in 1888, locating at Boston, but going shortly to Exeter, N. H., to become gardener to the late Charles Burley. In 1892 Mr. Hartshorne came to Chicago with a view of participating in the floricultural work at the World's Fair, but he was tendered an excellent offer by John C. Ure at Argyle Park, where his success with carnations did much to enhance the already excellent reputation of that establishment. Two years ago Mr. Hartshorne became head gardener to H. N. Higinbotham, who has a fine residence on Michigan avenue in Chicago and an estate of 1500 acres just outside of Joliet. It was Mr. Hartshorne's recognized proficiency as a carnation grower which led to the organization of the Chicago Carnation Company and the construction of its

model range of houses upon the Higginbotham property. Mr. Hartshorne is a member of the Society of American Florists, the American Carnation Society, the Chicago Horticultural Society and the Chicago Florists' Club and takes an active interest in the work of each." See portrait page 201.

The Management of Exhibitions.

BY W. N. RUDD, MOUNT GREENWOOD, ILL.

The manager of a horticultural exhibition, especially one intended for the general public, must be prepared to expend all his energies, both of brain and muscle; he must be prepared to crowd two working days into every twenty-four hours; he must be firm and determined, yet good natured and diplomatic, and above all he must be able to think and act quickly under unforeseen difficulties, and perhaps amid a storm of abuse. Given a man with the proper qualifications, there is still, generally, the lack of experience on his part and inability to secure experienced assistants. It is customary to divide the work of exploiting and holding an exhibition among various committees, and this is an excellent method if the proper men can be placed on the committees and the proper co-ordination secured and enthusiasm developed among them. The manager should, however, be in constant touch with all the committees and have an intimate acquaintance with the work they are doing.

The Premium List.—After deciding to hold an exhibition, the first thing to be done is to issue a premium list. A preliminary premium list should be gotten out as early as possible—a year in advance will be none too early. Of course the extent of the list and the size of the premiums will be governed by the amount of money available. Local firms and individuals can generally be induced to subscribe liberally towards the premiums. In order to secure a well balanced exhibit it is advisable to block out the list first and then solicit the prospective donors to assume the payment of various premiums therein rather than to offer special premiums. It should be borne in mind that the exhibition is held to interest the public and the list must be designed to secure a comprehensive and attractive exhibit. After this, and almost of equal importance, the list must be so arranged as to attract the exhibitor. It is unfortunate, but true, that very few florists can be made to see what an immense incentive an exhibition is to the buying public. Every exhibition makes new buyers and makes old buyers purchase more frequently and pay higher prices for better goods. Added to the general increase of sales and prices in the local market is the direct advertising value to the grower of a good plant or vase of flowers, or to the store man exhibiting an artistic arrangement. While something can be done in the way of missionary work, it must be admitted that the prizes must be made as large as possible in order to appeal to a large proportion of the growers, and—let me whisper it—a still larger proportion of the store men. To secure quantity and variety a certain number of premiums for "collections" are necessary, but there are but few growers who can compete in such classes and the bulk of the premium money should be offered for specific things. When the individual premiums are not so large as might be desired sweepstakes, open to the winners in several other classes, are attractive. Provision should be made for

gratuities to exhibits not coming within the classified list premiums. A final premium list containing rules, dates, location of exhibition, addresses, miscellaneous information and the revised and numbered premiums should be mailed at least two weeks before the exhibition. The premiums should be grouped under the day and date on which they are to be staged; and should be numbered consecutively as Class 1, Class 2, etc. Repeating the same numbers under the different divisions or grand classes must be condemned, as it leads to confusion and error. The final list may be arranged to be used as a programme for the public, but a special programme giving the musical numbers for each day, as well as the premiums, is better and can generally be paid for by the advertising in it.

Advertising.—As soon as it is decided to hold an exhibition the press should be notified and short notes, more or less directly bearing on the show, should appear at intervals. About three weeks before the opening day the "strenuous" advertising work should be done. The press should be supplied with photographs and material for reading notices. This work should culminate on the Sunday before the opening day. If the dates have been so arranged that the exhibition does not immediately precede some event of overshadowing importance, such as a political convention, or—sad to relate—the horse show, with tact and hustle on the part of the advertising committee the newspapers can be induced to give liberal space. Banners across the street, street car "ads," large bill board posters and small posters in shop windows, restaurants, hotels and public places are all good. On the evening before the opening day an effort should be made to induce the reporters and photographers for the morning papers to be present and prepare illustrated "write-ups." The afternoon papers on the opening day will follow with pictures and descriptions of the completed show

and the exhibits and a part of the awards. An effort should be made each day to reserve part of the awards to be first published by the morning papers on the following day. A press committee should be appointed, some member of which should be present at all times while the show is open to talk with and explain the exhibits to the reporters. The best men available should be detailed for this purpose, as the amount of space given in the papers will largely depend on their work. Arrangements should be made for quickly copying and manifolding the awards, which should be sent direct to each paper by a trustworthy messenger. A first-class press agent will be well worth his hire, but he must be kept in close touch with some one well posted on horticultural subjects, or the information given to the public will be weird and wonderful. The newspaper man or press agent simply cannot spell botanical names.

Getting Exhibits.—As soon as the premium list is cut the manager should by personal visits and personal letters begin "drumming" up exhibits and keep at it until the show opens.

Admissions—The Treasurer.—It possible a treasurer should be appointed who will be responsible for the ticket taker and seller and the handling of all money. Small bills, after receiving the O. K. of the manager or proper committeeman, can be paid by the ticket seller, the receipted bill being retained and turned in at night as cash, larger items being, of course, paid by check in the usual way. The professional ticket seller and ticket taker are to be shunned. While the writer does not intimate that all are dishonest, he has met among them some of the most finished rascals upon the face of the earth and the non-professional show man is a lamb in their hands. A convenient form of ticket is that printed in a continuous strip and notched so as to be torn off readily. The tickets are numbered consecutively. Each strip con-



SINGLE BLOOM OF JOHN N. MAY'S NEW CARNATION THE BRIDE.

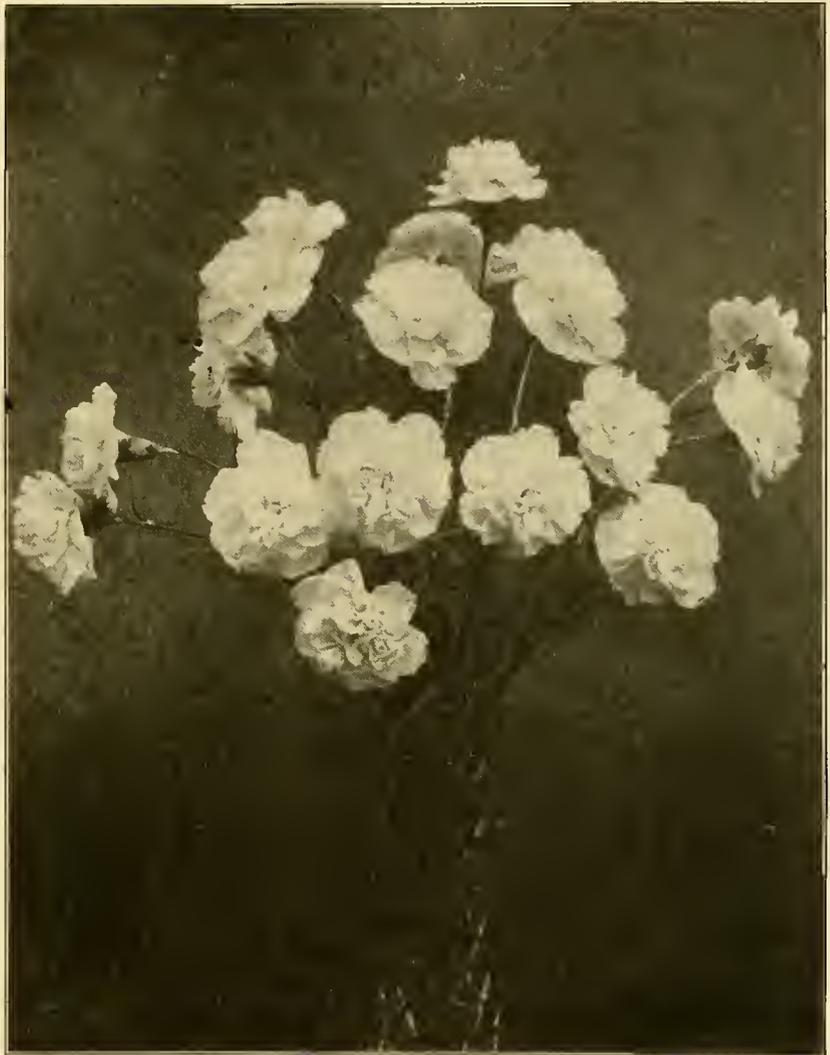
taing 1,000 is coiled and sealed. The tickets should be obtained from a firm making a specialty of such work, and preferably located in another city to avoid leakage in the press room. The ticket seller should receipt for tickets received in the morning and at night return all unsold tickets with a written statement of sales and cash to balance. A locked box should be provided for the ticket taker in which to deposit tickets. In closing at night the treasurer should examine and count all tickets in the box and personally see that they are destroyed. Passes and free tickets should be issued by the treasurer on the written order of the proper persons or committees. The press must be taken care of, members of the society are generally admitted free and exhibitors are entitled to free admission, but the issuance of free tickets should be hedged around with all possible difficulties, as the deadhead list is often responsible for a large part of the almost universal deficits which result from horticultural exhibitions. When receiving cash at night at least two trustworthy persons should remain with the treasurer and accompany him until the funds are put in a safe place.

The Secretary.—An incompetent secretary or a poor system can create a deal of trouble and arouse a deal of criticism. The writer prefers what may be called the De La Mare system of exhibition accounting as being simple, speedy and accurate. It consists of an exhibitors' book, a class book, a judges' book, entry cards and envelopes for them and a set of gummed labels of different colors, "1st Premium," "2nd Premium," etc., to be attached to the entry cards by the judges as they complete each class.

The Exhibitors' Book.—This has a large leaf, about cap size. At the top appears the name of one exhibitor and his entry number. In a column at the left appear the numbers of all the classes in which he is entered. This is copied from his entry blank. In the middle space is entered on the line with each class number, after the judges have passed on the class, the premium won, as "first," "second," etc., and in the right hand column, which is ruled for dollars and cents, is entered the amount of the prize, so that when all are entered a footing of that column will give the total amount of his winning.

The Class Book.—This is similar to the exhibitor's book except that each page is devoted to one class, and in the left hand column are written the entry numbers of all persons competing in the class. In the middle column is written the prize won and at the right the amount. The footing of each page will give the total awarded under the class in question, and it is evident that the total footings of the class book and the exhibitors' book must agree, thus making an excellent check. All entries in both books should be made from the exhibitors' entry blank and should be carefully checked over to insure absolute accuracy. It is well to enter the amounts of each premium offered at the head of the page of its class.

The Judges' Books.—These are smaller and have perforated pages to be duplicated by carbon. At the top appears the class number and the total number of entries in the class, and below are written the awards as made, giving both entry number and exhibitor's name. In use, an assistant will remove the envelopes from the exhibition cards and affix the pasters as instructed by the judges and the secretary or a trustworthy assistant, who



JOHN N. MAY'S NEW CARNATION THE BRIDE.

should accompany the judges, having the carbon sheet in position, will write in the awards. Each judge will then in turn take the book, see that the class number is correct and that he has examined the total number of exhibits entered and see that the names and entry number of the prize winners are properly entered under the prize won, signing his initials. This method, if properly carried out, gives an almost absolute guarantee against errors, and as this is the most vital part of the bookkeeping, this method should never under any circumstances be varied from. As fast as a class is judged the duplicate sheet may be torn out and sent to the press committee, avoiding vexatious delay to the reporters, and assuring them an accurate list, while a complete and certified list of awards remains in the book.

The Exhibition Cards.—These have the class number, the name of the class and the exhibitor's number and name. They should be enclosed in an unsealed envelope bearing on the outside nothing but the class number. It is a common mistake to place the entry on the envelope also. This is wrong, as after opening a few envelopes the judges will know the names, and while a knowledge of the exhibitors' names will rarely influence a judge, he much prefers not to know them until the decision is made. These cards will all be made ready in advance and

tied in bundles with each exhibitor's name attached to his bundle. These are delivered to the exhibitor and attached by him to his exhibits. Here, as everywhere, checking, preferably by a second person, is the order of the day. There must be no mistakes. After the awards are all made a voucher is to be made for each winner, showing in detail and in total the amounts won, which voucher will go to the treasurer for payment.

The Judges.—Three judges are commonly invited to act, although the writer believes one judge is much better. One man, realizing that the burden is on him alone, will be much more likely to exercise greater care than if he can shift two-thirds of the blame on his "wicked partners." If possible, at least two of the judges should be residents of a distant locality. In close decisions the work of such judges is much better received by the exhibitors than that of local men and charges of favoritism are much less apt to be made. In general a grower is a better judge of plants and flowers than a retail man, and the store man is a much better judge of artistic arrangements than the grower. It should be borne in mind, however, that, over and above all, the necessary quality in a judge is the judicial temperament. There are many first-class growers having wide knowledge of plants and flowers who are absolutely unfitted to act as judges.

Men who have had experience as judges are always to be preferred. Of course a judge's absolute honesty must be beyond question. A committee of ladies selected to judge a limited number of exhibits will often add to the public interest.

Protests Against Awards.—All protests should be filed in writing over signature, and should state in full the grounds for protest and should be filed at once. The protest should at once be placed before the proper committee who will first call in the judges and learn their grounds for making the award, after the grounds of the protest are made known to them. They should be given a chance to rejudge, if they desire, after which the committee may examine the exhibits and confirm or alter the awards as may seem best.

The Examining Committee.—The judges, especially in a large exhibition, should not be required to examine exhibits, count blooms, or otherwise be responsible for compliance with rules. It wastes their time and distracts their attention from their proper work. A properly selected examining committee should precede them. They should count all exhibits requiring a specified number and relentlessly reject any exhibit which, by overplus, or shortage, or in any other way does not absolutely and literally comply with the rules. It is not fair to the man who faithfully lives up to the rules to allow another who, whether by accident or design, seeks to evade them, to compete with him. Any rule which can not be enforced must be struck from the list, while those retained must be vigorously enforced. The examining committee will note grounds for rejection on the cards of all exhibits thrown out and will O. K. the envelopes of all those accepted.

The Entries.—An entry blank should be enclosed with each final premium list, and entry should be made on this by number only. Entries should be closed at a certain time before the classes are to be staged, in order to allow the secretary to get his work in hand and to enable the manager to arrange proper space, tables and vases. A fine should be assessed against every exhibitor failing to stage an exhibit entered, unless it has been declared out, at least by noon of the day before the class is to be staged.

Decorating the Hall.—Some decorating more or less elaborate will be needed. As there are many florists in nearly all cities who are experts at this work, the writer need not enter into minute details. It should be borne in mind, however, that the decorations are simply a background to set off the flowers and plants and should be subordinated to that purpose. Flags, bunting, paper flowers, Japanese lanterns, and the like, are, in most cases, better excluded. Among greens, the wild smilax and evergreen boughs are pre-eminently the thing. Perhaps there is no more effective background for cut flowers, especially chrysanthemums, than the dull colored autumn foliage of the white oak. The brilliant scarlet and yellow tints of maple foliage are not so good in large masses. Evergreen trees can be used where there is a scarcity of palm groups and for screens Spanish moss is effective, but expensive. Cornstalks may often be used to good advantage. Wild smilax may be used to drape tables and twine around cut flower vases, thus relieving what is frequently an ugly blotch in an otherwise beautiful picture. The decoration should be started as early as possible and finished and debris removed before the exhibits begin to arrive.

Installation.—The problem of installation is greatly simplified where space is sold, as the hall can be mapped and the exhibitor can be trusted to fill the space he has paid for. With such exhibitions, however, this article does not largely deal. In public exhibitions where so much depends on the general appearance this plan can not be pursued. The writer has learned by dear experience that from the average exhibitor no adequate idea of the extent of his exhibit can be had. He has seen a promised carload of plants dwindle to a small express wagon load, and a small group expanded to a moving van full at the last moment. The manager must see the plants in hand shortly before the show by as many exhibitors as possible and get as complete an idea as possible of the size, quantity, and character of them; he must study his hall frequently and carefully in connection with the knowledge he has gained of the exhibits and sketch out a skeleton of the picture he wishes to create, locating his prominent groups. He will then endeavor to induce as many as possible of the dependable exhibitors who have the material and the skill in arranging to meet him at the hall one by one (never two at a time) and endeavor to induce each to accept and fill the space which he—the manager—wishes filled. This requires diplomacy, but can generally be done. The cut flower tables must then be located, also the space for table decorations or other large decorative work. These, especially the table decorations, are best located in a separate room, if possible, although there must be a goodly quantity of color in the main hall. The rest must be left until the exhibits arrive and the manager can size them up and place them where the best effect will be produced. In this process the manager must coax and wheedle, browbeat and bully, perhaps "cuss" a little, and at last possibly demonstrate that he is the czar of all the Russias for this day and date.

At this time there must be one "boss" and there must be no appeal from his decisions. He must demonstrate that he is fair, but at the same time must make it emphatically known that the whim of no one exhibitor is to be allowed to injure the effect of the display as an artistic whole. Let him explain and argue, if there is time, but if not let him command and see that his commands are obeyed. Of course the arrangement of exhibits in classes for judging and their rearrangement before the public is admitted is desirable, but in large exhibitions, where the hall rental amounts to many hundreds of dollars per day, this can not be done. Well in advance of the work the necessary men will have been engaged and instructed. Tables, stands, vases, paper, hammers, wire, ladders, water cans and all the other thousand and one requisites will have been provided, placed in convenient location and put in charge of a trustworthy man. From the time the exhibits begin to arrive until the doors are opened to the public the manager must be in the hall. He must be prepared for every conceivable accident and many that are not conceivable. A time should be set at which no more exhibits or material shall enter the hall and he must have a man at the door who will be proof against entreaty, bull-doing or physical force. Another hour should be set at which all must be ready and he should begin early and notify all at frequent intervals that the rule will be enforced. It is not fair to the public to admit them to a half-staged exhibition after they have paid to see a finished one

and it is not fair to the exhibitor who is on time to have his display stand and possibly suffer to help out the delinquents.

Maintenance.—When the first day's exhibit has been installed half the battle is won, but untiring effort and unceasing watchfulness are necessary until the last plant is out of the hall after the show is over. Thefts must be guarded against. The public does not realize the value of the material shown, and the stealing of flowers is considered no great crime by many, and besides the public there are often others. Each day the water in vases should be changed, withered flowers removed and stems shortened. At crowded times plants and flowers must be protected from injury. Faded or damaged material must be removed or placed in less prominent positions, and places made for new, fresh, and novel exhibits as they come in.

Dismantling.—This should never be done at night if it can possibly be avoided. The hall should be closed until the next day and the exhibits removed by daylight. Where necessary to dismantle at night, the public should be made to leave before the work is begun, as a general assault by the public and the wrecking of many exhibits is apt to occur at this time. Each exhibitor should be required to identify his men and each should be tagged by a piece of card pinned to his coat and bearing the plainly written name of his employer. A strong guard should be put at the door, no person not properly tagged be allowed to enter and each employe compelled to keep away from all exhibits except that of his employer. These seem drastic regulations, but their observance will save many valuable plants and much mortification to the manager. In packing vases, tools, etc., it will be advisable to number each box plainly and keep a record of its contents in a book provided for the purpose. In conclusion let me say that I devoutly believe there is no town in this broad land where there is a grower of flowers, or a seller of flowers, in which there should not be some kind of a flower show at least once each year, and I believe there is hardly a town in which one might not be easily held if the florists and growers would display a little—a very little—business horse sense.

Prominent Men At Detroit.

On the opposite page we present portraits of some of the leaders at the recent Detroit meeting as follows: Phillip Breitmeyer, president of the Society of American Florists; Geo. Rackham, president of the American Carnation Society; Robert Flowerday, president of the Detroit Florists' Club; John F. Sullivan, secretary, Detroit Florists' Club; Wm. Gam-mage, vice-president-elect, American Carnation Society; Robt. Watson, vice-president, Detroit Florists' Club; Wm. Scott, essayist; Bruno Schroeter, treasurer, Detroit Florists' Club; Willis N. Rudd, essayist.

Notes of New Carnations.

Fiancee.—To be sent out in 1905.

Cardinal.—Flowers three inches in diameter.

No. 564 (Ward).—Pink seedling, Ethel Crocker shade; three and three-fourths inches; stems thirty to thirty-six inches; flowers of English form.

Judge Hinsdale.—White with bright rose pink markings, and three and one-half inches in diameter; fragrant; stem thirty inches; fine keeper and shipper.



Philip Breitmeyer.



George Rackham.



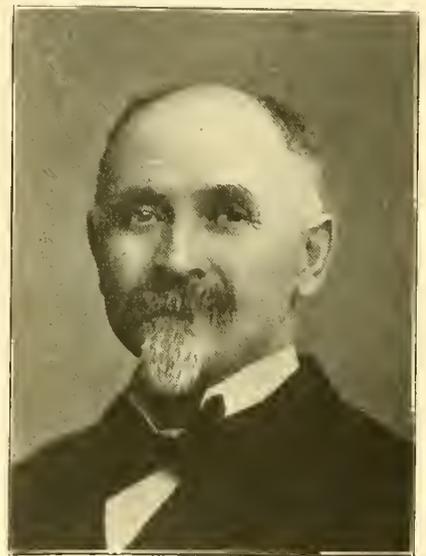
Robert Flowerday.



John F. Sullivan.



Wm. Gammage.



Robert Watson.



Wm. Scott.



Bruno Schroeter.



Willis N. Rudd.

PROMINENT MEN AT THE DETROIT CONVENTION OF THE AMERICAN CARNATION SOCIETY.

PALMS AND FERNS.

Variegated Palms and Ferns.

Variegated varieties are not very numerous among either palms or ferns, and as a matter of fact are comparatively rare among palms particularly. There are occasionally found among a large lot of seedling kentias a few plants with more or less variegated foliage, though it is quite an exception to find a plant among them that is constant in the habit of variegation, it being much more common to find that as the plant grows in size and strength the variegation becomes less marked and more irregular until finally leaves are produced that are entirely free of any unusual marking. The best variegated kentia I have seen was a seedling of *K. Forsteriana*, every leaf of which during the seven or eight years it remained under my observation continued to be evenly marked with narrow yellow lines or stripes, the yellow marking being also quite noticeable down the leafstems. But the specimen in question showed its weakness by its very slow growth, other plants from the same lot of seed being fully twice as large as the variegated one at the end of five years.

We also occasionally find a more or less variegated plant among *Kentia Belmoreana*, this species apparently producing more freaks in growth than are found in *K. Forsteriana*, some having white or yellow markings on a portion of the foliage, while others may have pink or red leafstalks, or even dark chocolate stems in some few instances. These freaks, however, have but little value to the commercial grower unless he may find some customer especially interested in gathering together a collection of such curiosities, and as a natural result they are not looked upon with great favor by the trade. *Areca lutescens* sometimes produces a seedling with variegated leaves, though I have never seen one with evenly marked leaflets, the colorings being more often found in patches, some leaflets being entirely yellow, while others are plain green.

Livistona Chinensis produces striped foliage in small proportion and also that more constant form in which the entire plant is suffused with yellow, the variety known as *L. Chinensis aurea*, a comparatively rare palm and one that is of more value to a private collection of plants than to the average trade grower. *Rhapis flabelliformis variegata* is one of the most attractive of variegated palms, and one that retains its variegation quite well, though without careful selection the plants of this palm are quite likely to get a little too much color at times, this resulting in a lack of vitality in the foliage and a consequent loss of the tips of the leaflets. The variegated rhaps is naturally less vigorous than the type and possibly owing to this fact seems to grow better in a slightly higher temperature, a night temperature of 60° being more satisfactory to the variegated form, while the ordinary green rhaps may be safely kept in a night temperature of 50° to 55°. Variegated seedlings appear among the phoenixes at times, but are seldom regular in marking or constant in habit, and thus have but little value to the grower. *Caryota urens* will also throw a variegated leaf occasionally, streaks and splashes of yellow being the most frequent color variation seen in this species. Some also of the extra-tropical species of palms are

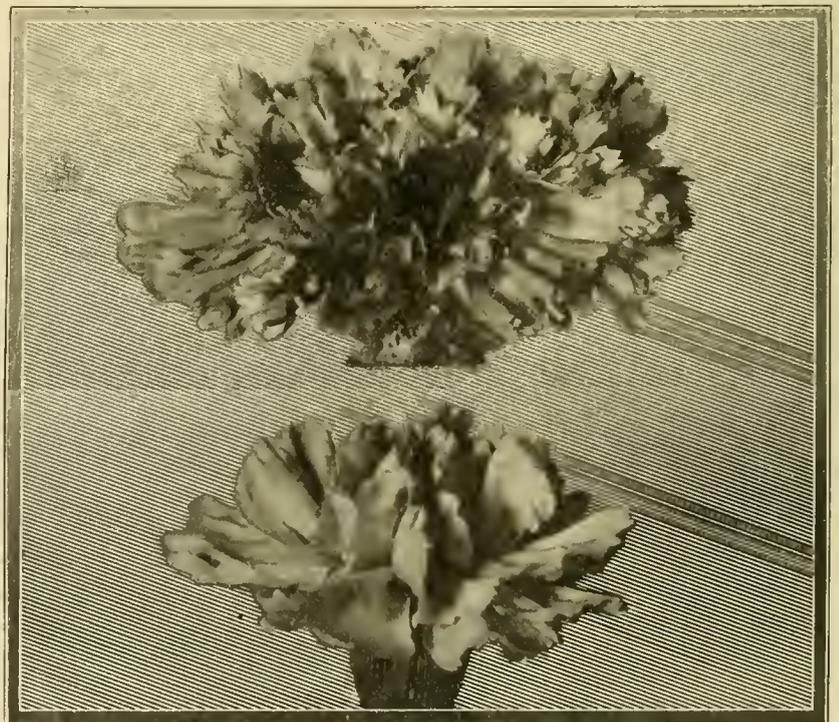
found with more or less variegation in the form of small spots on their broad leaves, one example of this character being found in *Stevensonia grandifolia*, the leaves of which are spotted to a greater or less degree with small orange or yellow dots, and a somewhat similar marking in the form of small yellow spots is found upon the leaves of some of the pritchardias.

Variegated ferns are found in many different species and several genera, the greater number of such variations being probably found among the pterises. One of the best marked examples of this family is the well known and much grown *P. argyræa*, one of the easiest of ferns to propagate, its spores being produced so freely and germinating so readily, while the characteristic variegation of silver gray down the center of each leaf seems so well fixed that one seldom finds a seedling that has reverted to the type. It may be worthy of note in passing that in order to grow *P. argyræa* to the best advantage it should be potted in rather a heavy loam, the latter enriched with a moderate proportion of dry cow dung, say about one part in bulk to eight of the soil, and the plants placed in a rather light greenhouse that is kept at about 60° at night, and well provided with water—in short, treated much the same as one would do in order to grow good stocky plants of the Boston fern, and the result would perhaps be a surprise to those growers who have become used to the long stemmed and thin leaved plants of *P. argyræa* that are so often seen. Pterises of good quality and compact growth would often sell readily, and would provide a possible change from the everlasting Boston fern, for beautiful though the latter is, yet the dear public sometimes wants a change.

Another of the deservedly popular variegated pterises is *P. Cretica albineata*, a very clearly marked form of *P. Cretica*, and also a very easy one to

reproduce from spores, of which an abundant supply is produced even by quite small plants. In common with many other ferns this pteris throws up fertile fronds that are distinct in form from the sterile fronds, the fertile ones being much narrower and more upright in habit than are the barren fronds, but both leaves are well marked with a silvery stripe, and the foliage is among the most enduring of the fern tribe. *Pteris tricolor* may be considered as the aristocrat of variegated ferns, the main stem of the leaves being rosy red, with a band of white on each side of the center of the leaf and the remainder of the leaf dark green, the colors being especially clear and bright on the young leaves, and giving a most attractive effect. Unfortunately this fern is rather a tender one, requiring a comparatively high temperature and careful handling, and it also seems to be especially attractive to snails, these little drawbacks making *P. tricolor* rather a shy plant for the trade to handle. *Adiantums* with variegated foliage are by no means uncommon but unless it be as curiosities they have but little value, a good *A. cuneatum* with the ordinary green foliage being far superior to one with variegated pinnae.

Nephrodium aristatum variegatum is another of the really good variegated ferns and one whose value for table ferneries has long been recognized, for though the marking of this fern is not so striking as that of some of the pterises, yet the fronds are so bright and glossy and their substance so good that it is a general favorite. Among the many curious and interesting plants that were picked up in Japan by the well known plant collector, Thomas Hogg, a number of years ago, were some variegated niphoboluses, a genus of ferns that is now included among the polypodiums, the ferns in question having thick, leathery, simple leaves, more or less striped with yellow. They were rather slow growing, cool



BLOOMS OF CARNATIONS FIANCEE AND ENCHANTRESS.

(Side views showing comparative depth of the flowers.)

house ferns, propagated by division, and seem to have dropped out of sight of late years, though decidedly interesting to have in a collection of plants.

W. H. TAPLIN.

Flowering Bulbs at W. H. Siebrecht's.

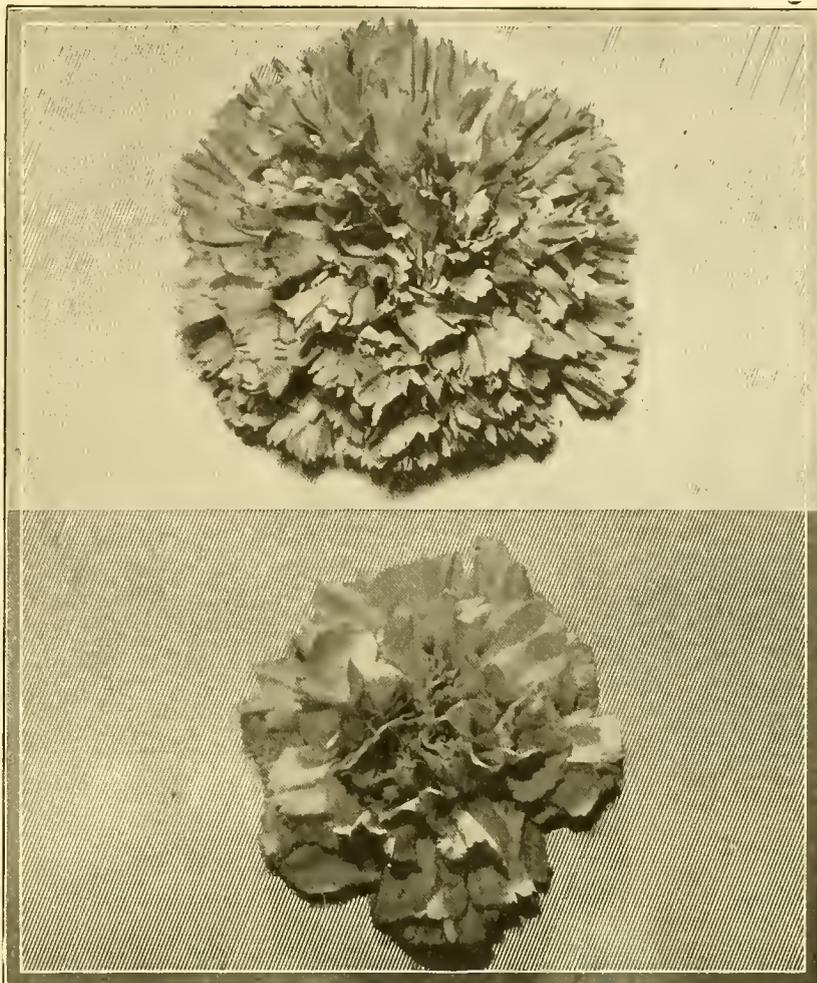
Astoria and Dutch Kills are getting thawed out and the big wisteria arch spanning the entrance to the establishment of Astoria's eminent bulb grower and bowling expert has a sort of glad-some look on its sinuous stems. Inside, the spicy aroma of Roman hyacinths and lily of the valley, the great masses of daffodils and tulips, the pendulous branches of acacia and the hum of bees make a perfect summer-land. Nowhere is the visiting brother more cordially welcomed by the proprietor and nowhere is information gained in long experience more clearly and unreservedly imparted. A box of pure white tulips and one of deep shining pink, each labelled *La Reine*, attract attention and inspire inquiry for an explanation. Mr. Siebrecht replies that the secret of bright color in this otherwise white tulips lies entirely in cleverly managed temperature fluctuations, the bulbs after being brought into flower in a certain temperature being removed to a cold house and then back again into heat, these sudden checks resulting in the desired deep color.

The finer varieties of daffodils are now flowering profusely. Mr. Siebrecht calls attention to one block of *Golden Spur*, unevenly and sparsely bloomed, a sea of rank foliage with a flower here and there and tardy flower buds showing through. These bulbs were taken in from the storage sheds five weeks ago. Alongside is a block of as fine *Golden Spurs* as one can find, with short, firm foliage and a sheet of splendid bloom of even height and finish. These were brought in only three weeks ago. An impressive object lesson on the folly of too eager haste to bring such things into bloom before they are ready for it and the consequent loss.

Japan lilies are looking very fine here, better, Mr. Siebrecht asserts, than heretofore. Tobacco stems are hedged thickly between the pots. No smoking is done until after the lily stalks have grown well up beyond the tobacco stems. Mr. Siebrecht does not favor the use of tobacco dust on the crowns of the growing lilies as many growers practice and attributes the brown-tipped foliage which often disfigures the plants and is commonly regarded as a "disease," directly to the effects of this dust.

Dutch haycinths are a large crop here. The first blooms appeared early in February and a regular succession is now kept up until Easter when the main crop will be brought in. They are kept in the dark at first until the "nose" of the flower spike is well out above the soil. They are then given abundant sunlight to strengthen the spikes and when in bloom are put in a cooler temperature to harden off. The varieties in evidence are the familiar kinds of many years' standing. One unfamiliar sort is *Morano*, classed by Mr. Siebrecht as an improved *Norma*, which promises to become a standard variety as it is a finer color than that old favorite. For single, deep pink, however, nothing can yet beat *Gertrude*.

Roman hyacinths are still in evidence and, as seen here, are of excellent grade. Although grown during the past season in much reduced quantity the price realized in the market has been no better than heretofore. The middle of February saw the last of the old lily of the valley



BLOOMS OF CARNATIONS FIANCEE AND ENCHANTRESS.

(Front views showing comparative size of the flowers.)

and since early in the month the new crop is well supplied with the luxuriant foliage always demanded by the market.

Mr. Siebrecht is headquarters for *Acacia pubescens*. A row of large trees extends down the center of an entire house and the picture just now is an inspiring one, the wide-spreading pendant branches weighted with golden bloom clear to the tips. A man who can grow acacias to such perfection doesn't have to bother with bulb forcing if he doesn't want to.

Profit in Smilax House.

ED. AM. FLORIST:—Would it be profitable to put up a house for smilax, planting the seed now so as to put it in the house in August, cut it twice and next spring plant the house to something else, say cucumbers, in August again planting it to smilax?

E. G.

Unless sale can be had for smilax in late spring, summer and early fall months, it might be profitable to throw out the smilax in spring and plant the house to cucumbers. Sowing the seed now would make strong plants in 4-inch pots by the first of August. This would produce a good crop by the first of November, and another easily by the first of April the following year. Then, if cucumbers are considered a better paying crop than smilax during summer, the house could be planted to cucumbers. The only question that occurs to me is this: Will the crop of cucumbers be entirely off by the

first of August? The *White Spine* varieties would perhaps be the better ones to grow because they are not so slow to mature as the long English forcing type, for it would not pay to throw out the cucumbers before the crop is fully matured, and on the other hand to keep them in the house until the crop is entirely off would of necessity throw the planting of the smilax later in the season than is advisable. My advice would be to plant the house to smilax, sowing the seed now, plant out about the first of July, and grow smilax the year round, for I believe in the long run the other plan would prove unsatisfactory. Tearing out the smilax in spring would mean no smilax six months in the year, and the correspondent must judge for himself whether or not he can afford to be without smilax that length of time. G.

MOBILE, ALA.—Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia, Pa., is calling on the trade here.

WORCESTER, MASS.—The Bay State Floral Company, Maher & Connors, has opened for business at 390 Main street. Funeral designs and decorative work are their speciality.

CAMDEN, N. J.—During the heavy rain February 21 the hot house of Wm. T. Craythorne, 214 North Thirty-seventh street, was flooded to the depth of about four inches and the fires put out. No serious damage was done, however.

Ficus Elastica Cuttings.

ED. AM. FLORIST:—What is the best and quickest way to root *Ficus elastica* cuttings, what temperature is required and at what season should it be done?

BEGINNER.

The best time to root ficus cuttings is in mid-winter when you have plenty of fire heat, and your stock plants are quite dormant; use clean, sharp sand with bottom heat at about 85°. Top or crown cuttings with about three leaves, make the best plants, but small side shoots taken off the parent plant with a heel are the surest and quickest to root. Shoots cut into single eye cuttings will root, but it takes them a long time to make a plant, and never very shapely, as the first leaves from such cuttings are miniature and such plants have a naked appearance around the bottom when finished. The above methods would be advisable only when the stock is dormant or at rest. If the plants are soft and in a growing condition, use the method of nicking and mossaing in the following manner: Cut the shoot at any desired length, half way through the stem, then turn the knife and make the incision upwards about one inch in length. In this incision insert a small wedge, say the thickness of a match stick, to prevent its growing together. Around it wrap wet moss. Keep the

moss wet every day and allow it to remain until the top is rooted. Place the plants after nicking and mossaing them in temperature of 80° and the cuttings will root in from three to four weeks. In potting off these cuttings after they have rooted, cut below the moss, let the moss remain on the cutting and plant moss and all so that the new and tender roots may not be disturbed or broken. It requires about three weeks to establish them in the pots.

W. K. H.

PEORIA, ILL.—Park Engineer Dubuis proposes to send to the war department for a picture of the gunboat Peoria and to reproduce in floral designs an exact representation of the craft to its minutest detail.

THROGG'S NECK, N. Y.—There is a coal famine here, due to the freezing of the creek and the sound, which is a field of ice for half a mile out, and greenhouses and residences are in bad straits in consequence.

WILKESBARRE, PA.—The greenhouses and residence of A. W. Moore were badly damaged by fire on the morning of February 20. The loss is estimated at \$2,000. It is thought that the fire was started by crossed electric wires in the office.

How to Produce Good Liberty Roses.

[Read by Adolph Fahrenwold before the Florists' Club of Philadelphia, March 1, 1904.]

In giving you my experience in growing Liberty, I have omitted the growing of young plants from cuttings, as that is so well understood, and besides, Liberty is one of the easiest propagated roses in existence. I have divided my subject into seven different topics: namely, 1st, soil; 2d, planting; 3d, watering; 4th, manuring; 5th, disbudding; 6th, cutting, and 7th, temperature and ventilation; making them as plain as possible, in language and expression, using no "high-trotting" sentences to bewilder myself and you. Hoping that from these plain facts, regarding the growing of this, one of our finest and grandest red roses in trade, some of you will gather points which will enable you to solve this knotty question: "How to produce fine Liberty blooms."

Soil—A good, suitable soil for roses is one of the most important factors in rose growing. If that is at hand, success is within easy reach of any careful grower. My soil is a heavy, gravelly loam with a good sod on top of it. Before plowing it down, I give it a good dressing (about three inches) of good cow manure. It is then plowed over as deep as a two-horse plow can work it. After this, it is kept cultivated for about a month, being then again plowed and kept cultivated till used. This work is generally begun about the first week in April.

Planting.—The soil being well prepared outside, I put in the young plants without adding any commercial fertilizers, as the cow manure is sufficient to begin with. I believe that those highly concentrated fertilizers force a plant too quickly to maturity; that is, to hard wood, which I do not want to be the case with the Liberty. Young plants I put in from 15 to 18 inches apart, preferring to plant from the first of June to middle of July, which will give a good succession of crops I have grown with equal success both in shallow and solid benches.

Watering.—The young plants will not need much water till about five to six weeks after planted, when they will commence to grow nicely, and will then take an abundance of water, even more so than any other rose that has ever come under my care. If not kept well watered, they will get yellow leaves right away, as the roots seem to have a tendency of spreading out near the surface, which makes them suffer at once if they happen to get too dry. The wood will commence to harden and will be slow to break out anew. I syringe during the summer, every day when clear. Towards the latter part of September I stop syringing too often overhead, as by that time most of the plants will have made plenty of top growth; and from that time on, I try to induce breaks to come from the base, which I think too much syringing overhead will hinder, as it will keep eyes on the top growth continuously breaking into small growth, which is not desirable during the fall and winter, as I believe rather in quality of roses than in quantity. I keep soil always in a moist, good growing condition, but never soggy. I use water direct out of a well which has an even temperature all through the season, about 52° to 54°.

Manuring.—I don't commence to top dress till latter part of August and beginning of September. Then I put on a top dressing of cow manure. I prefer to put this in little ridges between rows, covering it with soil to prevent the escape of ammonia as much as possible, and its getting washed off too quickly from the



THE LIBERTY ROSE.

benches. Two or three weeks after this first mulch, I have been in the habit of putting on a sprinkling of dried blood. This has to be done very carefully, as blood is very strong in ammonia, apt to take off a big crop of leaves if put on too strong. I put it in small streaks on either side of a row, two to three inches wide, just thick enough to cover the ground, and also covering it with soil. From then on and following this every two or three weeks, according to the health and growing condition of the plant and the weather, I put on sheep manure, bone flour, wood ashes and pondrette, either mixing these together in equal quantities or by themselves, but never at any time putting it on too heavy. I would rather do it a few times oftener than to endanger the health of the plants. In March I put on another layer of cow manure, and by the time it is spent, I use the fertilizers mentioned before till June, when it winds up the season. I have always used plenty of all sorts of manures, as I believe that a plant, which has to work out of season and receive so many waterings should have plenty of nourishment all the time, never giving it a chance to become dormant for want of proper nourishment.

Disbudding.—I consider that the pinching out process is the most important factor in the production of strong, vigorous plants, able to stand the strain of heavy cutting in the dark months of winter. We know that the formation of buds and flowers taxes the strength and vigor of the plant to the utmost. Therefore it naturally seeks a rest after this exertion; some roses will recover faster from it than others. Liberty is one of the slowest of these to recover. Ever since I commenced to grow Liberties, I have followed the practice of carefully disbudding from the cutting on. After they are planted in benches a few months the production of buds will be quite plentiful. I then make it a practice to go over them every other day, pinching out the buds as soon as they can be gotten hold of, but taking no leaves with them, except on suckers, which I cut back three to four eyes; because if pinched too close at the top, they will break into very short stemmed buds, which is undesirable on the stronger wood. This continuous disbudding which stops the sap flowing to the buds and flowers seems to irritate the dormant eyes at the base of the plant and they finally break into fine canes which will make grand flowers. In September and October when plants begin to make longer stemmed flowers, ten to eighteen inches long, which I do not care to have in bloom for another month, I cut them back three eyes to induce them to break strong again. If pinched too close at the top a short stemmed flower will be the result. This practice enables us to have crops in succession. I continue this disbudding all through the winter, carefully taking off all buds up to five and six inches in length of stem, as flowers of that class are little thought of, and the benefit of the retarded sap, and the saving of the foliage and wood will prolong its blooming capacity.

This may seem to many unnecessary, in fact, I know that many growers do not believe in it, but I hold that it is the most important point to successfully bloom Liberty in winter.

Cutting.—To cut right is a point which I am particularly careful with. Nothing will spoil the successful blooming of Liberties as quickly as careless cutting. One should always remember that we want flowers all through the winter. To

illustrate my point better: Take a plant with eight buds which would all come within a week or two. I would pinch three or four buds away if this is in September or October, which would bring them in seven to eight weeks later. It will give four buds at a better price besides not hurting the plants as much as if I had cut all those long stem buds off at once; the plant would have received a check which it would take all winter to overcome.

In other words, I do not want them to come all at once, avoid crops. Plants put in benches by 1st of June will, if they have done well, be fit to cut by beginning of October. They may have produced strong enough wood in August to tempt the grower to cut some blooms, but I find that if cut too soon, they will not produce flowers in mid-winter, nor will they throw up so strong canes from base later on. I consider that four months of growth is the least the plants should have before starting to cut; and even then I take nothing but the strongest wood, cutting everything up to 12-inch back.

Wood ten to twelve inches long, or longer in October should be cut back two or three eyes; if the bud is only pinched out, it would make an inferior bud at the next eye. Strong wood, that is canes from the base, should not be cut too low, as it is too hard and slow to break. It should have twelve to fifteen inches of stem left; when it will break in reasonable time. In cutting the flowers, I am very careful to cut them right, that is the outer petals expanded; of course in the fall and spring I cut closer. I cut three and even four times a day, according to weather and demand, for they must be in as fine a shape when they reach the dealer as they can possibly be gotten. After they have been in water for about twenty-four hours in a cool place, they are fit to be shipped. If not well soaked, the long stemmed Liberties in particular are easily wilted, and will be a disappointment to all concerned.

Temperature and Ventilation.—In the early part of fall, when the growth of the plants is soft, I have always tried to maintain a temperature of 62° to 64° with a little air on if possible at night, with a day temperature on clear days from 85° to 90°, while on cloudy days, a temperature as near 70° as possible. As soon as they commence to bloom, I reduce these temperatures to 58° and 60° at night and 75° and 80° during the day in fair weather, 68° to 70° on a cloudy day following a bright day, and if there is a succession of cloudy days, leave it down to 65°, as too high a temperature at night will spoil the color.

After the first planting of the young stuff, I use ventilation sparingly, gradually increasing as the plants take hold. The Liberty is very sensitive to draught, not that it will show mildew by it, but it retards the growth. It will harden and stand for months before it will get over this check. Therefore great care should be exercised on windy days, in a single house, and more so where the houses are built together with no partitions, where the draught will have a clean sweep underneath the gutters.

I try to give air every day, even in the coldest weather, when I can only open the ventilators to their full height and shut them down again at once, as a change of air is always most desirable.

Conclusion.—In finishing my remarks in regard to growing Liberties, I suppose some of you will be disappointed in not

hearing some sensational and almost witchcraft-bordering way of growing, but instead of that you have heard nothing but plain everyday facts, which most of you know, ought to know, or have known. So this may prove to be a reminder to some of you. And last but not least, success will lie only with that grower who is ever watching, who has his grip on the situation every day and all the time, never relaxing in enthusiasm in his fascinating and noble occupation, constantly studying the surrounding conditions which confront him with new varieties, higher standards in quality, and ever changing market.

Chicago.

Business has improved but little since our last report. The trade in both the wholesale and retail lines is hovering between the embarrassing contingencies of too much stock and no buyers. Prices as a consequence have not much dignity and no one makes an attempt to adhere to anything like market quotations. During the first three days of the week, stock of all kinds piled up in a huge oversupply and the greater part of this has been hanging throughout the week. The quiet was broken here and there by fitful shipping calls, which, however, were not sufficient to give any tone or stiffness to the market. Roses are in better supply than formerly and are improving in quality. There are plenty of carnations and bulbous stock remains in the same overclouded state that has characterized that line for over a month. The thaw and warm weather of the latter part of last week had the effect of increasing all cuts. Word from the greenhouses indicates that all Easter plants and specialties are coming into crop nicely.

The Chicago delegation to the carnation convention at Detroit left for that city Tuesday, the larger number going in the afternoon at three o'clock via the Wabash. Another party followed in the evening via the Michigan Central. It was a large and enthusiastic delegation and included the following: James Harts-horne and wife, J. D. Thompson, Frank Friedly, Fred Hunt and George Jensen, all of Joliet; Nic Zweifel and wife, Milwaukee, en route; N. J. Wietor, P. J. Hauswirth and wife, W. N. Rudd, L. Kill, George Wienhoeber, John Degnan, Peter Reinberg, Adam Zender, L. Coatsworth, John Sianer, C. L. Washburn, C. A. Samuelson, W. J. Smyth, George Asmus, E. F. Kurowski, P. J. Foley and W. L. Palinsky.

The first of a series of district meetings of the Gardeners' and Florists' Union was held at Hinsdale, Ill., on March 2. The meeting was addressed by Barney Cohen, president of the Illinois State Federation of Labor and the officers of the Chicago Union. A very enthusiastic meeting was held and over twenty members were added to the roll of the union. The union contemplates opening a local at Hinsdale, including Western Springs and Downer's Grove. The scale of the union was granted by the county board. It is said that the union never considered a strike as far as the park boards are concerned, as the wage scale is still under consideration at those places.

Albert Fuchs informs us that he will tear down his extensive greenhouses on North Halsted street in the spring, retaining but one or two houses for retail use. He will sell the material and most of the stock at auction. The houses cover 65,000 feet of glass and are devoted exclusively to palms, ferns and rubber plants.

The Bentley-Coatsworth Company is now operating under the new name as a stock company, incorporation papers having been taken out last week. The company contemplates expanding in the near future by erecting additional houses, etc.

Walter Kreitling, one of the leading retailers, died suddenly Monday night of peritonitis. The news of his death was a shock to the trade as few knew of his illness. In another column will be found a complete obituary notice together with a portrait of the deceased.

Poehlmann Brothers Company has purchased the land between the old plant and Morton Grove depot and they intend to add about 100,000 more feet of glass this season.

Frank Garland's *Harrisii* lilies, which are being cut in large quantities, are good stock. His Easter benches look very promising.

The A. L. Randall Company is handling an exclusive strain of A1 white lilac, a grand cut of which is promised for Easter.

Among the visitors here this week were J. F. Wilcox, Council Bluffs, Ia.; J. A. Valentine, of the Park Floral Company, Denver, Colo.; Nic Zweifel, Milwaukee, Wis.

New York.

This last week of the cut flower business was the worst we have experienced in some time, bulbous stock going at any price offered, and plenty left over day after day not disposed of and finally going to the garbage can. Daffodils seem to be the flowers least wanted, and the blooms can be bought for less than what the growers paid for the bulbs. Tulips do not sell well, unless they are of the lighter shades, and lily of the valley is very plentiful, selling as low as \$10 per 1,000 for fairly good stock. Roses are coming in very abundantly and prices have receded somewhat.

The "Hinode" greenhouses at Secaucus and Woodside are filled with Japan Easter lilies in very promising condition. The Woodside establishment is already cutting flowers, which are consigned to several Twenty-eighth street dealers.

N. Lecakes & Company have on hand a fine lot of fancy ferns, of which there seems to be quite a scarcity. They report several orders from Chicago firms, who are willing to pay \$2 per 1,000 for them.

William H. Long, who had charge of Thorley's uptown store at 386 Columbus avenue, has accepted a position with Charles Brown, 412 Columbus avenue.

Mrs. Julias intends opening a new flower store, March 20, at One Hundred and First street and Broadway. It is being fixed up in the best of style.

Phil F. Kessler received a lot of choice carnations from John Haines, of Bethlehem, Pa., last week, and exhibited them among the market growers.

Bonnot Brothers are shipping quite heavily of roses and carnations to Scranton, Pa., and other nearby towns.

George Mathews, of Great Neck, L. I., is sending in some fine radishes, which are grown between his sweet peas.

John Young and John Raynor are receiving daily large shipments of Golden Spur and other fancy daffodils.

David Clarke's Sons are cutting most of their bulbous stock from their own greenhouses at Fordham.

Slinn & Hughes are handling Jerome Snyder's carnations, including the new variety, Amaze.

Ford Brothers are handling a tremendous lot of violets and other seasonable flowers.

Most of the wholesalers have as their window displays boxes of tulips and daffodils.

Matthew Sampson, of the Cut Flower Company, is down with a severe cold.

Anton Schultheis is cutting some fine *Empress narcissi*.

Philadelphia.

The special feature of the March meeting of the Florists' Club held last Tuesday evening was the paper on "My Experience with the Liberty Rose," by Adolph Fahrenwold of Hillside, Pa., who is probably the most successful grower of this beautiful rose in this country. The attendance was the best of the season. Mr. Fahrenwold's Liberty roses have been the feature of the Philadelphia and New York markets for several years and his success with this apparently difficult rose, when so many other good growers have failed, lent an added interest to his essay. At the beginning he said he had no secrets. What he knew was by studying the habits of the roses and profiting by his experience. All that is wanted is good soil and a careful grower. Among the remarks illustrating his paper as he read it and afterwards in answer to questions were, that frequent disbudding made the plants break from the dormant eyes at the bottom which give the strong shoots; 56° was all right for a day or two to get a brilliant color in the flowers, but too low to be continued, as it would check their growth; dried blood was good to start dormant growth, but should be very carefully applied; never top dress nor manure when dry, always have the beds wet before applying; the plants should always be kept growing if possible and given plenty of water. He had noticed that where ventilator drafts struck the bed and they dried out, only a little, the growth was retarded. If possible, the wood must not be allowed to get hard, as then the leaves drop and the plants soon get into a dormant state. Mr. Barton, in moving a vote of thanks, said it was the best paper of its kind he had ever heard, and this seemed to be the opinion of all rose growers present. Mr. Fahrenwold says that he has a sport from Liberty, just a shade darker than Bridesmaid, from which he expects great things.

There is to be a banquet on Wednesday, March 23, in honor of the American Rose Society, which holds its annual exhibition in connection with the spring show of the Pennsylvania Horticultural Society.

"The Mistakes I Have Made" has been assigned to W. K. Harris for next month. We are afraid the reading of the paper will not consume much time, as Mr. Harris' strong fort is success, not failure.

Robert Craig & Son have made an assignment for the benefit of their creditors. John Burton, of Wyndmoor, Chestnut Hill, Pa., was named as assignee. A meeting of the creditors has been called for March at the office, 49th and Market streets, when it is hoped some amicable arrangement may be made which will allow them an extension of time. The whole establishment is in fine condition, about one-fourth of the houses being entirely new and all filled with the best of plants. Their Easter stock is particularly large and varied, and seems to be just right in point of time.

Edwin Lonsdale met with a serious mishap February 28. The water tank, which furnishes his greenhouses with

water, fell, cutting off his water supply entirely. Fortunately he made temporary connections with his neighbor, John Burton. In the fall some glass in an adjoining greenhouse was broken, four or five boxes possibly. No one was hurt and little or no damage to the plants was done. It was quite a large tank, holding about 20,000 gallons. How it happened no one seems to know. The ice may have had something to do with it.

Business has been very quiet the past week and prices have softened considerably. The quality in most lines is extra fine, the special Bridesmaid roses being now almost equal in size to Beauty. Carnations, too, are finer than ever. The stock coming from the Strafford farms to S. S. Pennock is the best commercial stock we have ever seen offered.

Godfrey Aschmann has been confined to the house with a severe cold for the past two weeks. K.

Boston.

The annual carnation exhibition of the Co-operative Flower Growers' Association was held in the salesroom on Columbus avenue on February 27. The entries were limited this time to local growers, no outside exhibits being sent. First and second prizes in the different classes were awarded as follows:

Fifty white.—H. A. Stevens & Company, Geo. M. Anderson; both Gov. Wolcott.

Fifty scarlet.—L. Small, D. J. Kerrigan; both J. H. Manley.

Fifty light pink.—J. W. Foote, first and second; Enchantress and Fair Maid.

Fifty dark pink.—Miss E. L. Philbrick, L. Small; both Mrs. Lawson.

Fifty crimson.—Patten & Company, S. J. Goddard; both Harry Fenn.

Fifty variegated.—D. J. Kerrigan, first and second; with Prosperity and Mrs. Bratt.

Fifty yellow.—Backer & Company; Eldorado.

Vase of one hundred blooms, not less than six varieties.—Wm. Nicholson.

Twenty-five roses.—Waban Rose Conservatories; American Beauty.

One hundred single violets.—W. Sim, West Spillsbury; Princess of Wales.

One hundred double violets.—L. Smith, M. Orr.

Certificates were awarded as follows: L. Small, No. 3, white, 90 points. A. Roper, Chester Roper, variegated, 85 points. E. N. Peirce & Sons, lily of the valley. Miss Philbrick, hardy primroses. Patten & Company, mignonette. Wm. Sim, sweet peas Blanche Ferry and Mont Blanc.

Among the displays for exhibition only were Carnation Marion Buxton, pink, by Geo. E. Buxton; white seedling from John Barr, white seedling from Stevens & Company, several seedlings from A. Roper and Variegated Lawson from Rockland Greenhouses. The judges on carnations were Allan Peirce, L. W. Mann and George Ayer; on novelties and miscellaneous exhibits, W. C. Stickel, W. S. Phelps and D. Ziragiebel.

The Horticultural Club met on Thursday evening, February 25, and H. F. A. Lange presided. Among the guests were David Lumsden and Prof. L. C. Elson. A pleasant event of the evening was the presentation by Ed. Hatch, on behalf of the members, of a beautiful scarf pin, set with an opal and diamonds, to Herman Thiemann, who is about to remove to Michigan.

Snow still lies in this neighborhood from one to two feet and more in depth

and is of a solid, icy nature, so that it will take much persuasion to induce it to go. Broadleaf evergreens are already beginning to show, in their brown dilapidated foliage, the rigors they have gone through in this unprecedented winter.

Norton Brothers have gone into insolvency. The liabilities are given as \$10,817.94, assets \$730.

Visitors this week, Mr. and Mrs. J. Fuller, Leominster; Chas. Loechner, of Suzuki & Iida, New York; A. H. Lange, Worcester.

Baltimore.

There is some abatement of winter and now we are having a season of rains and clouds. The past four months show lower average temperatures and more frequent snow storms than any similar period within the memory of our oldest citizens. In the 121 days from November 1 there have been twenty-nine snows, and fifty-five of the 121 days since that date the ground has been covered. As this location has ever been considered a half-way station to the southland this temperature is novel and trying. Consequent upon such weather there has been generally, and still continues, a dearth of really first-class flowers, especially roses. Carnations are more abundant and are improving in flower and stem, but many days there are not enough for the requirements of the market. Trade continues fairly active, the main call being for funeral uses, the mortality being considerably beyond the normal. The death of a number of prominent citizens, where the floral offerings were handsome and numerous has given an impetus to trade all around. There is some resumption of social entertainment and by the time Lent is over it is hoped a general revival will follow the suspension caused by the fire.

A few days ago your correspondent called upon Wm. R. Smith, the widely known and universally esteemed superintendent of the Botanical Gardens at Washington, and former president of the Society of American Florists, finding him, as his friends everywhere will be glad to know, robust in health, his eye undimmed, his natural force unabated, with no halting in the enthusiasm for his calling, still glorying in new acquisitions for his ever-growing and unique collection of Burnsideana and ready and generous in helping along every good cause. May his days be long in the land and among the people who honor him!

As a result of the destruction of business houses a number of changes have taken place in the location of the florists' stores. Wm. J. Halliday, for fourteen years at 316 N. Charles street, sold his lease on advantageous terms and has transferred his business to his greenhouses, 2800 W. North avenue, until he can suit himself as to location of new quarters.

His neighbor, John Cook, who purchased the property 318 N. Charles street a few months ago, has had several advantageous offers both to buy and rent, but so far resists all temptations, concluding the premises worth as much to him as to anyone else.

Samuel Feast & Son have vacated their old store at 228 N. Charles street, occupied by the firm and its predecessors for many years, and will do business only at their upper location, Charles and Pleasant streets, where they have an excellent corner with fine show windows.

Chas. E. Smith & Company, have sold the lease on their N. Liberty street store,

a very commodious one, and have removed several doors further north on the same street.

James Glass is in the hospital for surgical treatment. S. B.

Washington, D. C.

All the world knows of the Isthmus of Panama, that we will soon dig a canal across it, and that we have the means to protect it when completed. All this was happily portrayed by J. H. Small & Sons in a decoration for a dinner given by Senator Warren, of Wyoming, in honor of Secretary of War William H. Taft, at the New Willard hotel, February 24. The table arrangement was along the lines of the hollow square. Within the space thus formed was a representation of the Isthmus of Panama. Along the banks of the canal, which was skillfully executed in sunken mirrors, were palms, ferns and flowering plants. In the canal was a model of the old man-of-war Wyoming, which was a fighting craft in civil war times. There was also a model of the modern harbor monitor Wyoming, now on duty in Central American waters. The warship Ohio and other craft were represented as in the canal. Along the banks, among the tropical plants and vines, cannon and galling guns were placed, several being of actual size, the remainder being miniature models. Stands of rifles and rosettes of swords were interspersed among the heavy artillery. The national colors were everywhere in evidence, and the flag of the republic of Panama was given a place. At one end of the room was a large United States flag, and at the opposite end a shield, both in incandescent lights, the national colors being brought out by red, white and blue bulbs. The whole scheme was of that high class of decorative work that must be seen to be thoroughly appreciated. To the brains that devised, as well as the hands that executed it, I here pay tribute.

In the United States Senate, February 24, the agricultural appropriation bill being under consideration, Mr. Hale made a point of order against the committee provision authorizing the secretary of agriculture to examine and report upon samples of seeds, to accept fees for the service, and make certificate of the result of such inspection. His point was that this was general legislation, and it was suggested that the certificates thus provided would be used for advertising purposes. The point of order was sustained. The amendment made by the committee striking out the house provision appropriating \$40,000 for the introduction of foreign plants and seeds was disagreed to.

George H. Cooke had two dinner decorations in the home of a prominent senator within the week. There have been a number of weddings, and all in all the condition of trade is good. There is plenty of stock, and for the best good prices prevail. First-class American Beauty roses \$10 to \$15 per dozen; Bride and Bridesmaid, \$2 to \$5 per dozen; Enchantress carnations, \$2.50 per dozen; Lawson, \$1.25 per dozen; Prosperity, \$2 per dozen; valley, \$1 per dozen; lilacs, \$3 per bunch of ten sprays; Tulips and narcissi are plentiful and the prices in some instances are being cut in two, but the leading retailers are getting 50 cents and 75 cents per dozen.

H. A. Taylor, acting secretary of the treasury, has transmitted to the house a copy of a communication from the secretary of agriculture, submitting an esti-

mate of \$25,000 for the removal and reconstruction of the greenhouses of the department of agriculture, in order to make way for the new buildings of the department. Secretary Wilson states that the change in the plans for the location of the new buildings will make it necessary to remove practically all of the greenhouses now on the department grounds.

Bulb salesmen are so plentiful just now that they can scarcely be enumerated. However, nearly all growers of this section seem to agree with the philosopher and poet of the bulb business, that "good bulbs do the farthest walk."

Dinner decorations have kept several of the leading craftsmen busy during the past week, and first-class orchids, roses and carnations have been in demand.

S. E.

Toronto.

This vicinity has just been visited by the worst storm known to local florists. Great snow flurries and a blizzard have stopped all railway traffic and express orders are refused. This has been an extremely cold winter, surpassing anything on record at the weather bureau. Roses seem to be getting more plentiful, although there are hardly enough to go around. In other cut-flower lines, with hardly one exception, there is a glut. The department stores Saturday made great slashing in the prices by retailing daffodils at 10 cents a dozen, carnations 15 cents a dozen and tulips 20 cents a dozen. The outlook is at present very propitious for Easter. Everything with the exception of roses will be more than enough for the demand.

John H. Dunlop's place is in excellent shape, although some of the roses are a little shy of bloom; the plants are very healthy looking, and a few days of bright sunshine will no doubt help the crop along considerably. His carnations were never better. The Lawsons have buds and flowers set in so thickly that they resemble a field of timothy. He has also a pale pink sport from this flower, which is a beautiful shade and with all the good qualities of its parent. One house of lilies looks just right, both Harrisii and longiflorum being fine. There are also large numbers of rhododendrons, lilacs and azaleas.

There are at present many bulb growers in this section soliciting orders for next season, but when the bloom of lily of the valley is being sold for \$5 per 1,000, tulips \$8 per 1,000, and hyacinths and other varieties of stock unreasonably low, it is not certain that they will be overtaxed with orders from this section.

There have been several freeze-ups among the florists. The Georgetown Floral Company had some trouble with their boiler, resulting in having to shut down the heating system for about six hours. The greenhouses registered 18° and it is doubtful if the plants will be much good after their sudden check.

Transportation being blocked it is doubtful if our members from this section can get through to carnation meeting.

John Milligan, of Mimico, has opened a store on Queen street.

H. G. D.

NEWBURGH, N. Y.—George Crawshaw has bought three lots in the rear of his First street greenhouses to be used in the extension of his plant.

THE AMERICAN FLORIST

NINETEENTH 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.

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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.

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

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EASTER in four weeks.

It is probably on account of the severe and prolonged winter that so many eminent men in the trade are now sojourning in the south.

AZALEA PRES. VAN DER KERCHOVE, double salmon pink with wavy edging of white, is one of the handsomest of the Easter varieties.

LILACS require shade in forcing, otherwise the flower heads will come bunched and valueless. Yellow cloth is used under the glass by some growers.

CALADIUM ESCULENTUM should be started in small pots in early spring in order to attain the finest effect of massive foliage in August and September.

The best of the scarlet tulips for early forcing is Vermilion Brilliant. Next in order comes Waterloo or Belle Alliance and latest, the best of all, Belle Alliance.

We are in receipt of three photographs of carnations marked "Conradi," but they bear no other sign of identification. The sender will oblige by forwarding full particulars.

Greenhouse Heating.

ED. AM. FLORIST:—Will a Hitchings No. 14 boiler with 2-inch pipe heat two carnation houses, one 20x60 and the other 12x20 in zero weather? How many pipes should I have? F. G.

I do not have a Hitchings catalogue at hand and am not positive about the rating of the No. 14 Hitchings boiler but as I remember it the rating is 750 to 800 square feet of pipe. The two houses will require but 600 feet and this leaves a good margin if the above is correct. For the 20x60 carnation house use twelve 2-inch pipes, with either four or six of them flows or, put in two 2½-inch flows and nine 2-inch returns. In the 12x20 house use one 2-inch flow and six 2-inch returns, with the coils carried across the ends of the houses if exposed. If there is no door in the further end of the house a coil of three 2-inch pipes could be carried entirely around the house with good results. L. R. TAFT.

P. LOEF Az, of the firm of P. Loef Az & Company, Boskoop, Holland, will withdraw from the firm at the close of the spring trade, and the business will be continued by P. C. and J. C. Van Heiningen under the title of Van Heiningen Brothers & Co., with headquarters at Boskoop and branch office at 136 Water street, New York, care of Maltus & Ware.

OBITUARY.

R. M. Kellogg.

R. M. Kellogg, of the R. M. Kellogg Plant Company, Three Rivers, Mich., died at his home in that city February 17 after an illness of three weeks. He suffered a stroke of apoplexy January 30 when in Indianapolis to see his wife in a hospital there. Mr. Kellogg was born in Richfield, Summit county, O., in 1843. He served in the civil war until injured and placed on the reserve list. After the war he was married to Orrilla C. Richards, of Macomb county, and began his married life by taking a farm to clear in the woods of Saginaw. He entered the University of Michigan and graduated from the law department in 1880. He opened a law office in Grand Rapids, but his health soon demanded that he make a change. Finding a fruit farm near Ionia could be secured, he purchased it. In 1896 he purchased the old Hoffman property near Three Rivers, and made it one of the most productive farms of its kind in the United States. He abandoned the promiscuous raising of fruits, and devoted his entire attention to the propagation of strawberry plants. He was for many years a member of the Michigan State Horticultural Society, of which organization he was secretary one year and president two. Mr. Kellogg is survived by his wife, who is now in the hospital at Indianapolis; his mother, Mrs. Sophia Kellogg, of Battle Creek; a sister, Mrs. Henrietta Reid, of Roscommon county, and two brothers, Frank J. Kellogg and J. D. Kellogg, of Battle Creek, besides L. M. Kellogg, who resides here. Mr. Kellogg's partners, Frank E. Beatty and Lyman M. Kellogg, will continue the business along the same lines.

Walter Kreitling.

Death bereft Chicago of one of her best known retail florists when Walter Kreitling passed away Monday night. The news of his demise came as a severe shock to his numerous friends in and out of the trade, as he was not known to have been ill but a few days before the final summons. On Sunday preceding the day of his death he was up and about, although slightly indisposed. Sunday night he visited at the home of his sister, and while there was taken ill. Twenty-four hours after that the trade was stunned to hear the announcement of his taking away. The direct cause of his death was peritonitis. Mr. Kreitling, although a comparatively young man, was one of the oldest retail florists in point of years of service.



The Late Walter Kreitling.

For years he occupied the cozy store in East Van Buren street, where he built up a thriving business by application, energy and perseverance. He commenced his career as a florist in this city when a mere boy after arriving from the land of his birth, Germany. After an apprenticeship as errand boy, etc., he worked for W. D. Allen and subsequently for James Ferrel. For two decades he was in business for himself. The deceased was well known to every member of the trade. He was ever ready to advance the interests of the local trade, and for many years was an active member of the Florists' Club. He also participated regularly in the Florists' Bowling Club meetings. He was a member of several lodges and fraternal organizations, among them being the Royal Arcanum, Columbian Knights, Royal League and the Improved Order of Red Men. Mr. Kreitling was born in Berlin, Germany, in 1861. He came to America at the age of seven years and came at once to Chicago. In 1885 he was married to Miss Virginia Steiner, of Mauston, Wis. His wife and one son, Victor, aged 15, survive him. Of his family he leaves a sister, Mrs. Kochman, and three brothers, Bruno, Felix and Albert, to mourn his death. The funeral took place Thursday afternoon at 1 o'clock from his late residence, 1517 West Van Buren street. The obsequies were under the auspices of the Royal Arcanum and the interment was made at Forest Home cemetery.

SITUATIONS, WANTS, FOR SALE.**One Cent Per Word.**

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1907 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 in greenhouses; 7 years' experience. Address
R, care American Florist.

Situation Wanted—By experienced gardener on private place. Best references; married, age 30. Address ROBERT KLEBERT, Clifton, N. J.

Situation Wanted—By a single, sober man, German, as an all-around florist. Carnations, roses and general stock. Address
26, Oceana, Virginia.

Situation Wanted—By an all-around florist and gardener: best of references; age 50; single. F. F. GARDNER 102 Anna House, North Clark St., Chicago.

Situation Wanted—By gardener and florist on private place or institution. 22 years' practical experience. Married. Address
P G, care American Florist.

Situation Wanted—By competent grower and propagator of roses, clematis, shrubs, evergreens. First-class references as to ability. Address
R C, care American Florist.

Situation Wanted—By young married German, age 27. Understand carnation growing and general greenhouse work. A. HAVRAE, care A. Klokner, Wauwatosa, Wis.

Situation Wanted—By young lady of some experience in floral store or in making up floral work. Comes recommended. F. N. L., care Michigan Cut Flower Ex., Detroit, Mich.

Situation Wanted—As working foreman by a practical grower. Life experience in growing roses, carnations, mums, ferns, palms and general greenhouse stock. Single, age 45. All references. E. M., care American Florist.

Situation Wanted—By first-class grower of cut flowers and plants, to take charge of place or section of houses, Chicago or suburbs. German, middle-aged. First-class references. X H, care American Florist.

Situation Wanted—As foreman or manager of an up-to-date place. 25 years' experience in growing palms, ferns, roses and general stock. Chicago preferred. Address
M 520, care American Florist.

Situation Wanted—German, single, 28, competent rose grower, wishes steady position to take charge of first-class houses or small place where general stock is grown. Can give good reference. Please state particulars and wages. Address
B H, care American Florist.

Situation Wanted—As head gardener in private place; 17 years' practical experience in large English gardens; good testimonials as to character and abilities; age 31, married. Address
F. WESCOTT, Box 214, Deep River, Conn.

Situation Wanted—By experienced carnation grower; also good grower of all kinds of bedding and pot plants. Would like a position with an up-to-date place as first man or assistant foreman. First-class references. State wages. EAST, care American Florist.

Situation Wanted—By florist, 24 years of age. Can grow good roses, carnations, chrysanthemums, bedding plants, palms, ferns and orchids. Successful propagator and rose grafter. I am German and have life experience. Please state full particulars in first letter. Full charge is wanted. EMIL BAINKE, 1627 Second Ave., Rock Island, Ill.

Situation Wanted—By florist and gardener, age 30, single, German, first-class grower of cut flowers, bedding stock and decorative plants. Understands landscape work in all its detail; also the growing of vegetables under glass and outside. Would like to take charge of private place where a good man is wanted. Good salary expected. State wages and particulars; first-class references. Disengaged March 15 or before. ALBANY, care American Florist.

Help Wanted—Young man for general greenhouse work. Especially good at repotting. GIFT FLORAL Co., Richmond, Ind.

Help Wanted—Man experienced in all kinds of greenhouse work. Want single, middle-aged man of good habits. Address
H A, care American Florist.

Help Wanted—All around man to assist in greenhouse. Must be a florist and a hustler. State wages and reference.

FRANK SAHAN, Red Oak, Ia.

Help Wanted—Good all-around florist, growing a general line of cut flowers and plants. Single man preferred. State wages with room and board. R. S. WESSLING, Muncieapolis, Minn.

Help Wanted—Young man with some experience in greenhouse work. State age, experience, wages per month with board. References. W. O'HORA, P. O. Box 42, Haleate, N. Y.

Help Wanted—A good, steady and industrious man for rose and carnation growing, on small place, where good flowers are wanted. State wages expected. Address
Box 116, Lake Forest, Ill.

Help Wanted—Young man with some experience in general greenhouse work. State age, experience, wages per month with board and references. Address
GEO. S. BELDING, Middletown, N. Y.

Help Wanted—Temperate, reliable man; good grower of roses, carnations, mums and general greenhouse stock. Capable of taking charge of growing in 10,000 feet of glass. \$35.00 and board. B. B. BLAIN, Charlevoix, Mich.

Help Wanted—Assistant gardener, age 24, on private place. Must understand greenhouse work. English or Scotch preferred. \$30.00 per month, room and board. State full particulars. C. SIMPKINS, Oak Hill, Peabody, Mass.

Help Wanted—First-class working foreman gardener on private place in Kentucky. Must thoroughly understand care of lawns, shrubbery, and the raising of fruits, flowers and vegetables. Address, giving experience and stating wages expected. F W A, care American Florist.

Help Wanted—Young man of 3 or 4 years' experience in carnations and general greenhouse stock, wanted at once. Must be sober, industrious and not afraid to work. Good home for right party. State wages with room and board in first letter. NORTHERN MICHIGAN FLORAL Co., Petoskey, Mich.

Help Wanted—A man for flower store; one who is up-to-date in decorations, designing and window dressing. A good place for the proper person. Must be honest, industrious and willing to start on moderate salary. State price, reference, etc. in first reply, as party is once. Address
Box 525, Lexington, Ky.

Help Wanted—An active, experienced, single young man, with some capital to buy interest in well established plant, 7000 feet of glass, 6 houses, store connected, 4 acres land, near depot. Good local and shipping trade. No greenhouses of any consequence nearer than 300 miles. Splendid opening for right party. Address
FAR WEST, care American Florist.

Help Wanted—A forester for public grounds. Thorough knowledge and good taste in the execution and maintenance of large plantations of native and ornamental stock, perennials, roses, ferns, etc., required. Must propagate his own nursery stock and be able to handle men. A good position for an energetic, capable and honest young man. Give references and particulars as to experience, positions held, salary expected, etc. A A, care American Florist.

Wanted—Catalogues of all kinds pertaining to the trade. Address
GREENVILLE FLORAL Co., Greenville, Mich.

Wanted—To lease with option of buying a place in Illinois or Missouri, with from 3,000 to 7,000 sq. feet of glass. Address
Box 116, Waverly, Ill.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 35x58 feet. Give particulars and photograph of same in first letter. Address BAUR FLORAL Co., Erie, Pa.

Wanted—Two young men want to buy a first-class florist business by April 1, from 12,000 to 15,000 feet of glass. We are able to pay \$2,000 down. Give particulars. Address
AUGUST ALBERT, 191 Concord St., St. Paul, Minn.

For Rent—Old established greenhouses with good house, barn, all utensils, tools, etc. For particulars address
C E, care American Florist.

For Sale—Greenhouses; good location for local and shipping business in Michigan. Well stocked. Reason for selling, on account of failing health. H B, care American Florist.

For Sale—Over 12,000 feet of glass, all heated by steam, in first-class condition. Will sell at reasonable price. Terms to suit. Address
GLASS, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.

JAS. RICHARDSON, London, O.

For Sale—At a bargain. A nice home located 5 blocks from postoffice; greenhouses well stocked with up-to-date retail stock; business established for 23 years; good mail and express business.

C. H. BAILEY, Abilene, Kan.

For Sale or Lease—Five greenhouse establishment of 10,000 feet of glass, in good condition and well stocked, with or without dwelling. Fine opening for a single man. Stock reasonable.

X Y Z, care American Florist.

For Sale—Modern greenhouses, 8,500 feet of glass. Fully stocked. Long lease of land. Situated in the center of aristocratic neighborhood of the most flourishing city in the west. Failing health of proprietor cause for selling.

M F, care American Florist.

For Sale—Old established greenhouses, large lot, good house and barn, together with all the paraphernalia incidental to this line of business. Sickness compels an immediate sale of this plant. No reasonable offer refused.

CLARENCE E. SMITH, 145 LaSalle St., Chicago.

For Sale—A flower and seed store in a city of 80,000 inhabitants. Centrally located. Purchaser will have his money returned out of his Easter trade. Will sell cheap if bought at once. Reason for selling, owner has another business and cannot attend to two. Address
H L, care American Florist.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address
SAMUEL J. BUNTING, Elmwood Ave. and 58th St., Philadelphia, Pa.

MONTANA....

An opportunity seldom offered where you have the chance to become one of the incorporators with a small amount of money, to grow cut flowers, nursery stock, seed, etc. Will bear the closest investigation. Best of references given. Full information may be had by addressing

A. L. BEACH, 34 Benton Ave., Helena, Mont.

Manager,

First-class grower, designer and decorator, very best references, wants first-class place, with fair facilities. Address

M C D, care American Florist.

Manager.

A working manager. A No. 1 Beauty grower. State salary wanted and give references as to character and ability as a grower. Address

"OWNER" Box 18, Station A., Cleveland, O.

WANTED.

Position as foreman or manager in an up-to-date establishment; either wholesale, retail or mailing. Am up in all branches, catalogue marking, building, heating and growing of fine stock. 2,000,000 plants grown the past season. Three years in last place. 40 years old and a hustler. Northern place preferred. Married temperate and strictly business. Best of reference as to ability and business qualities. Address LONE STAR, 611 No. Washington Ave., Dallas, Tex.

WANTED.

First-class rose grower to take charge of section. Good references as to ability, character and sobriety. Address

THE J. A. BUDLONG & SON CO.,
564 Pontiac Avenue, - Auburn, R. I.

It is good business policy to mention

**The....
AMERICAN FLORIST**

When you write to an advertiser.

Directory for 1904.

*Price \$2.00
Postpaid.*



THE AMERICAN FLORIST COMPANY'S Trade Directory for 1904, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 412 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 Foreign Merchants, 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
412 Pages.*

Now Ready

Florists' American Exchange.

If Your Desires are not Fulfilled by the Pointers Published,
Please write particulars. We desire to know **your wants**. They direct
our energy. We will thank you for a letter by return mail.

Pointer No. 5.

The only florist establishment in a New York village of 4,000, close by a large city, an elegant summer resort, no better place in the state, will pay 25 per cent on the money invested. A lady has done so, and in her modest opinion thinks a man can do better. There are four acres of land, dwelling house of eleven rooms with bath room, double lathed and plastered, storm doors and windows, well heated. Fine barn, nearly new (two-story), carriage room, box stalls, three for cows, three for horses; harness room, water tank, bin for feed zinc-lined; barn cost \$2,000. City water in both house and barn, also two wells of spring water and two cisterns; four greenhouses, each 100 feet long, heated by hot water. They are up-to-date in every particular. Hot-air pumps for pumping fertilizer. Office and boiler room separate. Poultry house nearly 100x15 feet, apartments will hold 800 fowls, also heated by hot water, cement floors. Three ponds, one large with row-boat, white water lilies are raised; two smaller ones for gold fish and Pekin ducks, the latter very profitable for eggs and feathers, and clear lily ponds of snails. From fish and ducks alone can be cleared \$2,000 a year. Orchard of fifty good fruit trees besides small fruits in garden. Pasture for two cows besides beautiful lawn, ornamental trees, rustic bridges, pavilion, plenty of room to add more greenhouses. An elegant home. A good business. A great bargain. The owner has spent \$32,000 on this place. We are ashamed to say publicly what it can be had for, but if you have \$1,000 write us quickly for full particulars. You may not live for another opportunity like this one.

Pointer No. 6.

For Sale or Rent.—In excellent resident part of a thriving Indiana city. Three greenhouses 60x12, 60x12 and 60x18 feet, steam heated, plenty of room for more. Grounds 135x140 foot corner lots with improved streets and cement walks on two sides. Cut flowers and funeral work has been the chief trade, but pot plants are in good demand. This place can be had for 25% less than its real value, terms to suit. This is an opportunity for a beginner with small capital.

Pointer No. 7.

Farm and Greenhouses.—One of the most beautiful localities in Wisconsin; twenty acres, a seven-room house, a barn 26x45, three hen houses, corn crib, a good well and a greenhouse 20x112 feet; 2¼ acres of orchard, two and one-half acres small fruit, all set within the last three years. All good land by the side of a beautiful lake. Considerable stock and personal property goes with it. Owner must move south at once. Price is low, terms most reasonable. This is also an excellent shipping point if greenhouses were enlarged.

Pointer No. 8.

Ohio.—For sale or long lease—or long lease of land and sell the greenhouses, with or without dwelling. A modern up-to-date business, principally wholesale cut flowers and bedding stock. Four houses, 16x100, 18x100, 21x100, 9x55, and material on hand to put up another 18x100; new forty horse-power boiler, steam pump, trap, etc. Potting and loading shed 17x75. Boiler and coal bin 29x40. Wind mill and pond for water supply, also large tank house, horse, wagons, etc., all new and in good order, doing a good business. Other business interests compel the owner to dispose of the place. A small amount of money and a good character will be given a rare opportunity here. Full particulars if you write us with an earnest desire for doing business.

Pointer No. 9.

The retail florist establishment known as the Linwood Floral Nursery is offered for sale, comprising as follows: Three lots 150 feet front, 122 feet deep, about 4,000 square feet glass; five greenhouses, store and dwelling; ice house and coal shed. The place is stocked with palms, ferns, bedding plants, etc. It is heated by new hot water boiler, "Kroeschell," heating greenhouses, dwelling and store, was built in the past nine years; store and showhouse built the past season only. On account of poor health owner will dispose of same to cash buyer or part cash, balance on time at three to five years with low interest. Price and other particulars on application.

Pointer No. 10.

A retail nursery business in Los Angeles, Cal. In this city this business is continuous the year around. Deciduous fruit trees are handled all winter, but all ornamental stock is kept in pots or beds. The owner of this place wishes to devote his entire time to growing and wants buyer of city sales place to co-operate with him. The trade is well satisfied with the place for fifteen years and it is favorably known. The amount of cash required is small, but you must know something about plants, roses, carnations, palms, bulbs, araucarias, bamboos, cyperus, bougainvilleas, fuchs, pansies, eucalyptus, oranges, etc. We shall be pleased to explain more fully on application.

Pointer No. 11.

A large plant near Philadelphia, \$10,000. Correspondence solicited for this.

Pointer No. 12.

We have a customer for 10,000 feet of glass to lease for five years, a grower.

TO THE CRAFT AT LARGE.

LADIES AND GENTLEMEN:—The few pointers written above, those which have preceded, and many more to follow, are all worth your careful consideration. They are exemplifying our predictions with a greater force and certainty than we ourselves anticipated.

Do not permit your judgment to be biased in the least by the suspicion so frequently suggested that if a place is put on the market at a very reasonable price there must be a concealed reason why it is an unsafe proposition to entertain.

There is no business in which so many embark annually with insufficient knowledge. The common impression among the inexperienced is that a greenhouse man's income is most all profit. A short experience results in "a snap" for a person well loaded with practical experience and conservative ambitions.

Then, again, there never was a time in the history of our country when there was such an awakening among physicians and the public generally that different localities are more particularly adapted for the physical welfare of certain types of individuals. When a man finds he has cast anchor where his health is being sacrificed the element of time, when considered in making a change, frequently amounts to a large percentage of the capital invested. With these and other reasons, therefore, we advise you to first consider the locality as to the welfare of your family's health. This being determined do not hesitate to investigate, relying on your own judgment. We hold ourselves in readiness to make any inquiry or investigations you may desire. It is our business to bring seller and buyer together for mutual benefit. We will thank you one and all for a letter expressing your convictions on this subject and suggesting any way we may be able to serve you. Truly yours,

FLORISTS' AMERICAN EXCHANGE.

ADDRESS MAIL TO

C. B. WHITNALL, - - Milwaukee, Wis.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Mar. 3.

Roses, Beauty, long per doz.	4.00@5.00
" " med. " 20 @	3.00
" " short " .50 @	1.00
" Bride, Bridesmaids.....	4.00@ 8.00
" Meteor, Golden Gate.....	4.00@ 6.00
" Perle.....	4.00@ 6.00
Carnations.....	2.00@ 4.00
Smilax.....	18.00@20.00
Asparagus.....	35.00@50.00
Violets.....	.50@ .75
Valley.....	2.00@ 3.00
Romans.....	1.50@ 2.00
Freesias.....	1.00@ 2.00
Tulips.....	2.0 @ 3.0+
Daffodils.....	2.00@ 3.0
Callas.....	8.00@12.50
Harrisi.....	10.00@12.50

PITTSBURG Mar. 3.

Roses, Beauty, specials.....	30.00@40.00
" " extras.....	20.00@25.00
" " No. 1.....	10.00@15.00
" " ordinary.....	3.00@ 6.00
" Bride, Bridesmaid.....	2.00@12.00
" Meteor.....	4.00@10.00
" Liberties.....	4.00@12.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.25
Asparagus, strings.....	30.00@50.00
Asparagus Sprengeri.....	2.00@ 4.00
Sweet Peas.....	.20@ 1.00
Violets.....	.20@ 1.25
Lilies.....	12.00@18.00
Mignonette.....	3.00@ 5.00
Romans, Paper White.....	1.00@ 3.00
Tulips.....	2.00@ 4.00
Lilac.....	1.00@ 1.50
Daffodils.....	1.00@ 3.00
Freesias.....	1.50@ 3.00

CINCINNATI, Mar. 3.

Roses, Beauty.....	2.00@ 6.00
" " Bride, Bridesmaid.....	4.00@10.00
" " Liberty.....	4.00@10.00
" " Meteor, Golden Gate.....	4.00@12.00
Carnations.....	3.00@ 6.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.50
Violets.....	.75@ 1.00
Narcissus.....	3.00@ 4.00
Romans.....	3.00@ 4.00
Harrisi.....	per doz., 2.00
Calla.....	12.50@15.00

St. Louis, Mar. 3.

Roses, Beauty, long stem.....	3.00@6.00
" " Beauty, medium stem.....	1.50@2.00
" " Beauty, short stem.....	.50@ .75
" " Bride, Bridesmaid.....	4.00@10.00
" " Golden Gate.....	3.00@ 8.00
Carnations.....	1.00@ 5.00
Smilax.....	15.00@20.00
Asparagus Sprengeri.....	1.00@ 3.00
" " Plumosus.....	35.00@75.00
Ferns.....	per 1000, 2.00@2.50
Violets, single.....	.3 @ .40
Narcissus Paper White.....	2.00@ 3.00
Valley.....	2.00@ 4.00
Romans.....	1.00@ 3.00



№1. \$2.00

№2. \$3.25

№3. \$3.75

№4. \$4.50

№5. \$5.00

№6. \$6.00

J. B. DEAMUD,

WHOLESALE CUT FLOWERS

51 Wabash Ave., CHICAGO.

PRICE LIST. Per Doz

Beauties, 30 to 36 inch stem.....	\$4.00 to \$ 5.00
" " 20 to 24 inch stem.....	1.50 to 2.00
" " 15 to 18 inch stem.....	.75 to 1.00
" " 12 inch stem.....	Per 100
Liberty and Chatenay.....	6.00 to 10.00
Brides and Bridesmaids.....	6.00 to 10.00
Meteor and Golden Gates.....	6.00 to 10.00
Carnations.....	1.50 to 3.00
" " fancy.....	3.00 to 5.00
Valley.....	2.00 to 4.00
Violets, double.....	.50 to 1.50
" " single.....	.50 to .75
Asparagus Plumosus..... per string, 25 to 50c	
Asparagus Sprengeri Sprays.....	2.00 to 4.00
Ferns, fancy.....	\$3.00 per 1000 .30
Smilax.....	12.50 to 15.00
Adiantum.....	1.00

Caldwell's Quality Counts Brand
CONSTANTLY ON HAND.

ROSES, Carnations, BEAUTIES, VALLEY.

Pittsburg Cut Flower Co., Ltd.

Wholesale Florists and Supplies.

504 Liberty St., PITTSBURG, PA.

Please mention the American Florist when writing.

FANCY

CARNATION BLOOMS

OUR SPECIALTY.

TELEGRAPH ORDERS FILLED PROMPTLY.

J. D. THOMPSON CARNATION CO.

JOLIET, ILL.

Chas. W. McKellar,

Wholesale Commission Florist
—AND DEALER IN—
ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.
Please mention the American Florist when writing.

CUT FLOWERS OF ALL KINDS

and Florists' Supplies.

Galax, bronze or green. 75c per 1000. Leucothoe Sprays. 50c per 100. Sphagnum Moss, Ferns.

Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, Commission Dealer,
Telephone, 980 Main.
130 E. 3d St., CINCINNATI, O.

Please mention the American Florist when writing

Brant & Noe Floral Co.,

CROWERS OF
Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

C. A. KUEHN,

Wholesale Florist.

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H.G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL FLORISTS' SUPPLIES,
KINDS OF
AT CHICAGO MARKET RATES.

42-44 E. Randolph St., CHICAGO, ILL.

Longiflorum Lilies for Easter

Last year we had the best Lilies on this market and the stock this year, from the same growers, promises to be even better. To be sure to be supplied with first-class stock let us book your order now.

\$15.00 per 100. \$125.00 per 1000.

—500 at 1000 rate.—

All Cut Flowers in Season.

E. C. AMLING,

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

32-34-36 Randolph St.,
Long Distance Telephones 1978 and 1977 Central.

CHICAGO, ILL.

CURRENT PRICE LIST.

American Beauty.	Per doz.	
Long stemmed.....		\$5.00
30-inch stem.....		4.00
24-inch stem.....		3.00
20-inch stem.....		2.50
15-inch stem.....		2.00
12-inch stem.....		1.50
Short stem.....	\$3.00 to \$8.00 per 100	
Per 100		
Brides and Maids.....	\$3.00 to \$ 8.00	
Meteors and Gates.....	3.00 to 8.00	
Liberty.....	6.00 to 15.00	
Carnations.....	1.50 to 2.60	
" large and fancy.....	3.00 to 4.00	
Violets.....	.50 to .75	
Valley.....	3.00 to 4.00	
Daffodils, Paper Whites.....	2.00 to 3.00	
Tulips.....	2.00 to 4.00	
Callas, per doz.....	\$1.50	
Harrisii..... per doz, \$1.50 to \$2.00		15.00
Asparagus, per string, 25c to 50c		
Asparagus Sprengeri.....	3.00 to 6.00	
Ferns..... per 100, \$3.50		.35
Galax..... per 100, 1.00		.15
Adiantum.....	.75 to 1.00	1.00
Smilax..... per doz, \$2.00		15.00
Leucothoe Sprays.....		.75

SUBJECT TO CHANGE WITHOUT NOTICE.

The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

FRANK GARLAND,
Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**
65-57 WABASH AVENUE,
Telephone Central 3284. CHICAGO.

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.

MICHAEL Winandy

Wholesale Grower and Shipper of **CUT FLOWERS**
50 WABASH AVE., CHICAGO.
Telephone 3067 Central.

WIETOR BROS.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

BALDWINVILLE, MASS.—A loss of \$1,000 was caused by fire in the cucumber forcing house of R. D. Greenwood. The fire originated in the boiler house and most of the damage was done by freezing due to the wrecking of the heating apparatus.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty.....
WHOLESALE GROWER OF **CUT FLOWERS**

HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --

457 Milwaukee Street. MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Mar. 4.	
Roses, Beauty, 30 to 36-in. stems	3.00@ 5.00
" " 20 to 24 "	2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	6.00@ 8.00
" " extra select.....	10.00@ 15.00
" Chatenay.....	6.00@12.00
" Bride, Bridesmaid.....	3.00@ 8.00
" Meteor, Golden Gate.....	3.00@ 8.00
Carnations.....	1.00@ 3.00
" fancy.....	3.00@ 4.00
Valley.....	2.00@ 4.00
Asparagus Plumosa, per string 25 to 50c	
" sprays 2.00@4.00	
" Sprengeri.....	3.00@ 6.00
Violets, double.....	.75@ 1.50
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
" Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns... per 1000 2.50@ 3 50	
Smilax.....	12.50@15.00
Callas.....	1.50@ 2.00 per doz.
Harrisii.....	1.50@ 2.00
Tulips.....	2.00@ 4.00
Daffodils.....	2.00@ 3.00

SINNER BROS.
Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.
Wholesale Growers of **Cut Flowers**

and Dealers in **Cut Flowers**
All telegraph and telephone orders give prompt attention. 35-37
GREENHOUSES: Randolph Street, Chicago, Ill.
Morton Grove, Ill.
Please mention the American Florist when writing.

WEILAND AND RISCH
CHICAGO'S RELIABLE
Wholesale Growers and Shippers of **CUT FLOWERS,**
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

American Florist Advertisements
Work Every Day.

Leo Niessen

**Gardenias,
Freesias,
Pansies.**

WHOLESALE FLORIST,
After October 1st, Store will be open
from 7:00 A. M. till 8:00 P. M.
1217 Arch Street, PHILADELPHIA, PA.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. MCCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

THOMAS YOUNG, Jr.
WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.
Please mention the American Florist when writing.

GEORGE SALTFORD,
WHOLESALE FLORIST.
46 W. 29th Street, NEW YORK.
TEL. 3393 MADISON SQUARE.
Specialties: VIOLETS AND CARNATIONS.
Consignments of any good flowers solicited.
Please mention the American Florist when writing.

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.

N. Lecakes & Co.
53 W. 28th St., and 45 W. 29th St.
Also at
26th St. and 34th St. Markets
New York.
ERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES
EEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$6.50 per case of 10,000.
Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.
Please mention the American Florist when writing.

Wholesale Flower Markets

Boston, Mar. 2.

Roses, Beauty, extra.....	25 00@40.00
" " medium.....	10.00@20 00
" " culls.....	3 00@ 6.00
" Bride, Bridesmaid.....	3.00@ 5 00
" extra.....	6 00@12 00
" Liberty.....	4.00@10.00
Carnations.....	1.00@ 1.50
" Fancy.....	2 00@ 3.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies, Calla.....	8.00@12.00
Smilax.....	12.00@16 00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Roman Hyacinths, Daffodils.....	1.00@ 2.00
Tulips.....	1.07@ 2.03
Peas.....	.50@ 1.00

PHILADELPHIA, Mar. 2.

Roses, Tea.....	4.00@ 8 00
" " extra.....	12.00@15 00
" Beauty, extra.....	35.00@50.00
" " firsts.....	16.00@25.00
" Queen of Edgely, extra.....	35.00@50.00
" " firsts.....	16.00@25.00
Carnations.....	2.00@ 8.00
Violets, single.....	.40@ .50
" double.....	.50@ .75
Lily of the valley.....	3.00@ .75
Daffodils.....	2.00@ 3.00
Tulips.....	2.00@ 4 00
Freesia.....	2.00@ 4.00
Lilac.....	.50@ 2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00

BUFFALO, Mar. 3.

Roses, Beauty.....	3.00@35.00
" " Bride, Bridesmaid, Meteor.....	3.00@10.00
Carnations.....	1.50@ 6 00
Harrisii.....	12 50@15.00
Lily of the valley.....	3.00@ 5 00
Asparagus, strings.....	40.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.50@ 1 00
Violets.....	.20@ .50
Callas.....	8.00@10.00
Sweet Peas.....	.40@ .60

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

SOUTHERN SMILAX.

No. 1 quality only \$5 50 per case of 50 lbs. Be sure and try it when you want Smilax. **CALAX**, bronze or green, 75c per 1000. Discount on large orders. **LAUREL FESTOONING**, No. 1 quality, 4c, 5c and 6c per yard. Always on hand and large orders filled at short notice. **FANCY** or **DAGGER** FERNS, \$1.50 per 1000.



Millington, Mass.
Tel. office, New Salem.
Long distance telephone connection.

Michigan Cut Flower Exchange,
WM. DILGER, Mgr.

All Cut Flowers in Season.
26 Miami Ave., DETROIT, MICH.

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.
Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Laurel Roping
OLIVER L. TRONNEM, Vineland, N. J.

Flowers of All Kinds.

Write Us For Prices.

OPEN FROM 7:00 A. M. TO 9:00 P. M.

THE PHILADELPHIA WHOLESALE FLOWER MARKET, 1224 Cherry Street, PHILADELPHIA, PA.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Telephone 2065 Madison Sq. **Wholesale Florists.**

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 758 Madison Square,



MOORE, HENTZ & NASH
Wholesale Commission Florists.

65 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS
Wholesale Commission
Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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. Telephone 1905 Madison Square.

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,
West 29th St., New York. Telephone 561 Madison Square.

Frank Millang

Open from 6 a. m. to 5. p. m.

Cut Flower Exchange, 55-57 W. 26th St. Phone 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 656 Madison Sq. 118 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

65 and 57 W. 26th St. New York. Cut Flower Exchange.

OPEN 6:00 A. M.

An Unequaled 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.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Mar. 2.

Roses, Beauty, best.....	25.00@50.00
" " medium.....	8.00@15.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid, G. Gate	2.00@10.00
" Liberty.....	3.00@35.00
Carnations.....	.75@ 2.00
" fancy and novelties....	3.00@ 5.00
Lily of the valley.....	1.00@ 2.00
Lilies, Callas.....	4.00@ 8.00
Violets.....	.25@ .40
" special.....	.50@ .60
Smilax.....	10.00@25.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Dendrobium formosum.....	30.00@40.00
Mignonette.....	1.00@ 4.00
Roman Hyacinths.....	1.00@ 1.50
Tulips.....	.50@ 3.00
Narcissus.....	1.00@ 2.00
Gardenias.....	25.00@50.00
Freesia.....	.10@ .15 per bun.

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK Tel. 2230 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK. Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS

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.

THE NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St. New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER
GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The table herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Lucania	1	Sat. Mar. 12, Noon.	
New York.....	"	Umbria	1	Sat. Mar. 19, 7:00 a. m.	
New York.....	Glasgow	Corinthian	2	Thur. Mar. 17, 11:00 a. m.	
New York.....	Hamburg	Pretoria	3	Sat. Mar. 12, 1:00 p. m.	
New York.....	"	Graf Waldersee	3	Sat. Mar. 19, 6:00 a. m.	
New York.....	Copenhagen	Hekla	4	Sat. Mar. 12, 2:00 p. m.	
New York.....	"	Helig Olav	4	Wed. Mar. 16, 2:00 p. m.	
New York.....	Glasgow	Ethiopia	5	Sat. Mar. 12, Noon.	
New York.....	London	Minnehaha	6	Sat. Mar. 12, 1:30 p. m.	
New York.....	"	Minneapolis	6	Sat. Mar. 19, 7:00 a. m.	
New York.....	Liverpool	Oceanic	7	Wed. Mar. 9, Noon.	
New York.....	"	Teutonic	7	Wed. Mar. 16, 10:00 a. m.	
Boston.....	"	Cymric	7	Thur. Mar. 17, 10:00 a. m.	
Boston.....	Alexandria	Canopic	7	Sat. Mar. 12, 6:00 a. m.	Mar. 30
New York.....	Southampton	New York	8	Sat. Mar. 12, 9:30 a. m.	
New York.....	"	St. Paul	8	Sat. Mar. 19, 9:30 a. m.	
New York.....	Antwerp	Vaderland	9	Sat. Mar. 12, 10:30 a. m.	
New York.....	"	Kroonland	9	Sat. Mar. 19, 10:30 a. m.	
New York.....	Havre	La Lorraine	10	Thur. Mar. 10, 10:00 a. m.	
New York.....	"	La Bretagne	10	Thur. Mar. 17, 10:00 a. m.	
New York.....	Rotterdam	Rotterdam	11	Tues. Mar. 8, 10:00 a. m.	
New York.....	Genoa	Sicilia	12	Tues. Mar. 8, 11:00 a. m.	
New York.....	"	Lombardia	12	Tues. Mar. 15, 11:00 a. m.	
New York.....	Bremen	Main	13	Thur. Mar. 10, 11:00 a. m.	Mar. 22
New York.....	"	Kaiser Wilh. II	13	Tues. Mar. 15, 5:00 a. m.	Mar. 22
New York.....	"	Bremen	13	Thur. Mar. 17, 10:00 a. m.	Mar. 27
New York.....	Genoa	Kon g Albert	13	Sat. Mar. 12, 11:00 a. m.	Mar. 25
New York.....	"	Hobenzollern	13	Sat. Mar. 19, 11:00 a. m.	Apr. 1
Boston.....	Liverpool	Canadian	14	Wed. Mar. 9, 4:00 p. m.	
Boston.....	"	Cestrian	14	Wed. Mar. 16, 9:30 a. m.	

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO. Pres.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND, Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool	New York	Campania	1	Sat. Mar. 12	Mar. 19
Liverpool	"	Etruria	1	Sat. Mar. 19	Mar. 26
Liverpool	Boston	Saxonia	1	Tues. Mar. 15	Mar. 22
Glasgow	New York	Numidian	2	Sat. Mar. 12	Mar. 22
Hamburg	"	Pennsylvania	3	Sat. Mar. 12	Mar. 24
Hamburg	"	Moltke	3	Thur. Mar. 17	Mar. 31
Hamburg	"	Patricia	3	Sat. Mar. 19	Mar. 31
Copenhagen	"	Oscar 11	4	Wed. Mar. 9	
Glasgow	"	Columbia	5	Sat. Mar. 19	Mar. 29
London	"	Mesaba	6	Thur. Mar. 10	Mar. 20
London	"	Minnetonka	6	Thur. Mar. 17	Mar. 27
Liverpool	"	Cedric	7	Wed. Mar. 9, 4:30 p. m.	Mar. 16
Liverpool	"	Majestic	7	Wed. Mar. 16, 4:30 p. m.	Mar. 23
Liverpool	"	Arabic	7	Fri. Mar. 18, 4:30 p. m.	Mar. 25
Southampton	"	Philadelphia	8	Sat. Mar. 12, Noon	Mar. 19
Southampton	"	St. Louis	8	Sat. Mar. 19, Noon	Mar. 26
Antwerp	"	Zeeland	9	Sat. Mar. 12, 10:00 a. m.	Mar. 24
Antwerp	"	Finland	9	Sat. Mar. 19, 2:00 p. m.	Mar. 29
Havre	"	La Savoie	10	Sat. Mar. 12	Mar. 22
Havre	"	La Champagne	10	Sat. Mar. 19	Mar. 29
Rotterdam	"	Staetendam	11	Sat. Mar. 12	Mar. 23
Rotterdam	"	Potsdam	11	Sat. Mar. 19	Mar. 30
Genoa	"	Liguria	12	Mon. Mar. 7	Mar. 22
Bremen	"	Kronprinz Wilhelm	13	Tues. Mar. 8 8:00 a. m.	Mar. 15
Bremen	"	K. Wil. Der Grosse	13	Tues. Mar. 15 8:00 a. m.	Mar. 22
Bremen	"	Barbarossa	13	Sat. Mar. 19, 8:00 a. m.	Mar. 29
Genoa	"	Lahn	13	Thur. Mar. 10	Mar. 22
Genoa	"	Prinzess Irene	13	Thur. Mar. 17	Mar. 30
Liverpool	Boston	Winifredian	14	Sat. Mar. 12	Mar. 22
Liverpool	"	Bohemian	14	Sa. Mar. 19	Mar. 29

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

	Per Doz.
A.M. BEAUTIES, long stems,	\$5.00
" " 30-in. "	4.00
" " 20-24 "	\$2.50 to 3.00
" " 15-18 "	1.50 to 2.00
" " Short stems.....	1.00 to 1.25
SUNRISE.....	\$4.00 to \$10.00
CHATENAY.....	6.00 to 12.00
BRIDE.....	5.00 to 8.00
BRIDESMAID.....	5.00 to 8.00
PERLE.....	5.00 to 8.00
CARNATIONS.....	2.00 to 3.00
ROSES, OUR SELECTION.....	4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

WARWICK, R. I.—F. C. Green, gardener to N. W. Aldrich, returned from a sojourn in Europe, February 29.

GALAX LEAVES, ETC., Fresh New Crop.

Galax Leaves, Green and Bronze, per 1000. ...\$.60
Cut Fancy and Dagger Ferns, per 1000. 1.00
Leucothoe Sprays, Green, per 1000..... 3.00
" " Red, per 1000..... 6.00
Rhododendron Sprays, per 1000..... 5.00

Largest dealer in the U. S. Orders filled promptly. Send cash with order. Send 50c for a nice cane, cut from the famous mountains of N. C. Nicely varnished, crooked or straight. Mention length desired and variety of wood—hickory, rhododendron, wahoo, poplar, striped maple, etc. Grand souvenir, besides useful. Try one or more.

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

GALAX...

Bronze or green, 75c per 1000, in 2,000 ots or 1 more. Leucothoe Sprays, green, 90c per 100. Southern Smilax, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. Green Shoot Moss, choice stock, \$2.50 per barrel sack. Sphagnum Moss, \$1.75 per large bale.

FLORIST' SUPPLIES of Every DESCRIPTION.

Tel. 597 Madison Square. L. J. KRESHOVER,
110-112 W. 27th St., New York.

Always mention the.....

American Florist

when you write to an advertiser.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$1.50 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per hbl.; 75c per bag. Sphagnum Moss \$1.00 per hbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. 'Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

E. F. Winterson Co.

SUCCESSORS TO

McKELLAR & WINTERSON

Established 1894.

A daily supply from 40 GROWERS enables us to take care of shipping orders to the buyers' advantage.

A Complete Line of Bulbous Stock.

Daffodils—Single and double.....\$2.00 \$4.00
Tulips—All varieties..... 2.00 4.00
Narcissus—Paper White..... 2.00 4.00

FANCY FERNS..... \$3.00 per 1000

Roses, Carnations, Etc.

"Highest Qualities"

AS WELL AS

"Under Grades"

Our Growers

Anticipate good crops of all Easter flowers and we expect to be especially strong in **Harrisii and Longiflorum Blooms.** Book your order now. It will be well taken care of and we meet the market as to prices.

Get our Weekly Price List. It is free and worth your while.

HEADQUARTERS FOR

Galax Leaves and all Greens.

"SUPERIOR QUALITY"

WILD SMILAX

(NONE BETTER.)

ALWAYS ON HAND.

We carry the most complete line of Florists' Supplies in the West. Catalogue free. Address all correspondence to

45-47-49 Wabash Ave.,
CHICAGO.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Charles McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.

Twenty-second annual convention, St. Louis, Mo., June 21-24, 1904.

DWARF mixed nasturtium seed is in strong demand.

P. J. LYNCH, of West Grove, Pa., has purchased "Home of Flowers," the Springfield, O., publication.

M. G. MADSON, of the Madson Seed Company, Manitowoc, Wis., is inspecting his seed ranches in California.

VISITED MOBILE: A. W. Bradstreet, with the Cleveland Seed Company, and W. B. Hayt, of the Jerome B. Rice Seed Company.

"OPEN all night" reads the advertisement of a Mobile, Ala., seed house. This should be advantageous to the early rising trucker.

The mail trade in the west was very good for three or four days of warm weather, but this condition was reversed when the cold set in again.

MANDEVILLE & KING COMPANY'S establishment, Rochester, N. Y., although located almost opposite the recent big fire, escaped without injury.

BAY CITY, MICH.—A recent fire at the establishment of the Harry N. Hammond Seed Company, resulted in an estimated loss of \$10,000, fully insured.

Changed Trucking Conditions.

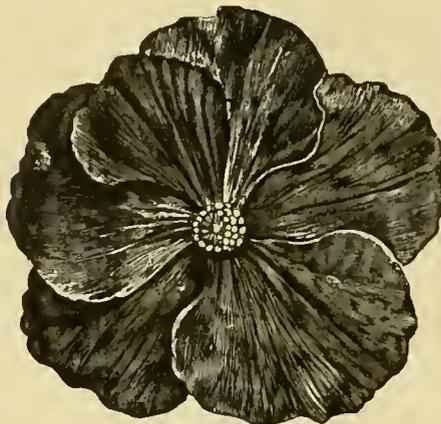
American enterprise and methods have changed the market garden methods in Cuba. There are now arriving at Mobile, Ala., tomatoes, egg-plant and okra of quality equal to mid-season products in this country, stock which in size, color and packing leaves nothing to be desired. The vegetables are moving north and west from Mobile and must, because of extra quality, hurt the sale of extra early stock of lower grades from early shipping points in the United States.

Contract With Farmer Not Binding.

VALLEY, NEB.—Considerable interest has been felt in the information received here tonight from Papillion, where the case of Seedsman J. C. Robinson of Waterloo, Douglas county, against Farmer Ed Strickler of Sarpy county was on trial.

The seedsman sued Strickler on a contract entered into early last year to furnish certain kinds of sweet corn seed and which contract was not fulfilled by the defendant, who, it was alleged, during the seed corn excitement, early in the winter, had sold his seed to the highest bidder, and the seedsman asked judgment in the sum of \$1,188.14.

The defendant was represented by three Omaha attorneys and a local man, while an Omaha attorney appeared for the plaintiff. After hearing the case it was learned here tonight Judge Sutton took the matter from the jury and decided in favor of the defendant. This ending of the case, so far as this court is concerned, has caused no end of comment at Valley and vicinity, which is the greatest seed producing district in Nebraska. The case will be appealed.—*Omaha World-Herald*, February 27, 1904.



SINGLE TUBEROUS ROOTED BEGONIA.

TUBEROSES.

DWARF EXCELSIOR PEARL. Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers. First size bulbs, \$1.00 per 100; \$8.00 per 1000; Medium size bulbs, 60c per 100, \$4.50 per 1000.

VAUGHAN'S SEED STORE,

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

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

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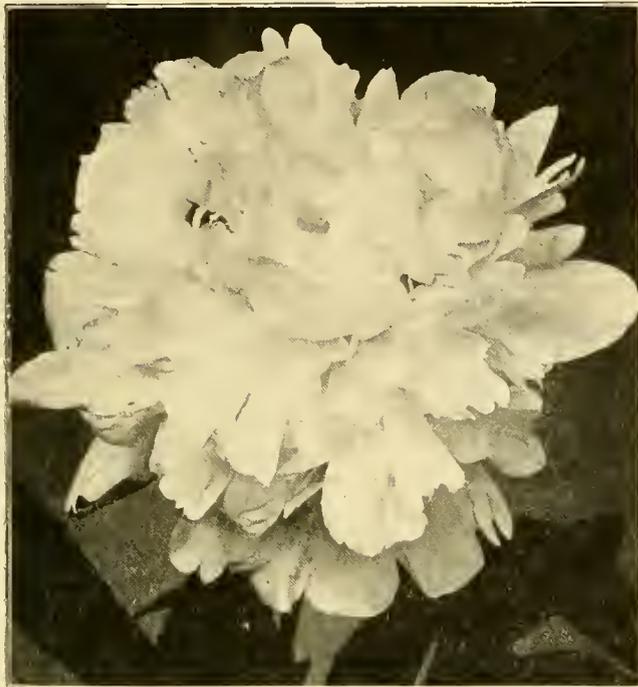
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Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

LOS ANGELES, CAL.—It is denied by the Grace Hill Nursery Company that its output is controlled by any dealer, the stock being disposed of by the company to the retailers direct.

WE understand that the date for the convention of the American Association of Nurserymen at Atlanta, Ga., has not been definitely fixed, although it is believed either June 22 or June 29 will be decided upon.

BIRMINGHAM, ALA.—“Horticulture, including the nursery industry, is advancing steadily in Alabama,” said R. S. Mackintosh, state horticulturist, in Birmingham, recently. “This has been a good season for orchards and nursery work.”

PROVIDENCE, R. I.—Mr. McNair, president of the Newport Horticultural Society, Alex McLellan and others, were before the executive committee of the state board of agriculture, on February 18, advocating action to repress the gypsy moth, San Jose scale and other insects injurious to vegetation.

SANTA BARBARA, CAL.—The report that the Southern California Acclimatizing Association's collections are going to be dispersed is not correct. While the association has offered for sale and disposed already of many of the large specimens growing in its old grounds in space now needed for building purposes, the great bulk of the collections are being transferred to a more favorable and more extensive location within the city limits. There business will be continued on a larger scale.

ATLANTA, GA.—Otto Katzenstein and S. Z. Ruff announce that they have formed a partnership for the purpose of exploiting extensive fields of Rhododendron Catawbiense and kindred plants which they have acquired. They will do business as the firm of Katzenstein & Ruff, with office at 40 Druid Circle. Mr. Katzenstein was, since their inception about eight years ago and until recently, manager of the Pinehurst nurseries at Pinehurst, N. C. Mr. Ruff also is a plantsman and collector, with extensive practical experience gained in charge of large public and private plantings.

Canadian Horticultural Association.

An executive meeting of the Canadian Horticultural Association will be held at Ottawa, Ont., March 9, when it is expected much important business will be transacted.

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Lonicera, ¼ Belgica and Heckrotti, 3 to 4 feet, bushy.....	8.00	
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Cedrus Deodara, 15 to 18-inch.....	25.00	
Cedrus Deodara, 22 to 24-inch.....	30.00	
Oranges, best sorts, grafted, bearing size 12-inch, bushy, 4-inch pots.....	20.00	
Ligustrum Amurense, true, 2 to 3-feet branched.....	per 1000,	\$20.00

Oranges, 15 to 18-inch, 5-inch pots.....	Per 100	30.00
Lemons, grafted, 18 to 24-inch, 5-inch pots.....	30.00	
Kentia Belmoreana, 12 to 15-inch, 5 leaves.....	18.00	
Latania, 15-inch, 3 to 4 ch. leaves.....	20.00	
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Not less than 50 of a kind at above prices.		

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200,000 2 yrs., 2 to 2½ ft., very bushy.....	Per 1000	\$20.00
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100,000 Cuttings, 8 in., strong.....	.50	
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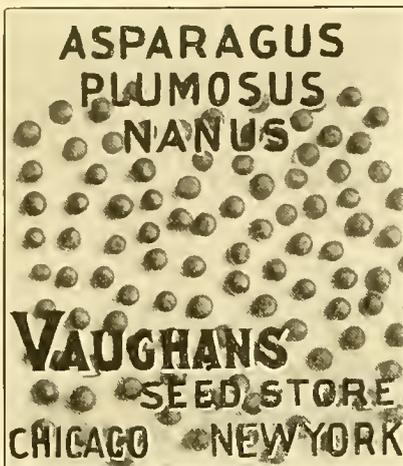
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Plumosus Robustus, 100 seeds, \$1.00; 1000 seeds, \$10.00.
Scandens Dell'oxus, 100 seeds, \$1.25.
Ageratum, Princess Victoria Louise, trade pkt., 10c; oz., 60c.
Princess Pauline, trade pkt., 10c; oz., 30c.
Alyssum Little Gem, true, trade pkt., 10c; oz., 25c; 2 ozs., 40c.
Sweet, trade pkt. 5c; oz., 15c; lb., \$1.25.
Antirrhinum, Snow Queen trade pkt., 10c.
Giant-Flowered white, Daybreak, scarlet, coral red, each, trade pkt., 10c; ½ oz., 20c.
ASTER, *Truffant's Peony-Flowered*, white, pink, rose, scarlet, light blue, dark blue, crimson, each, trade pkt., 20c; ¼ oz., 35c; oz., \$1.20.
Victoria, white, pink, scarlet, light blue, dark blue, crimson, each, trade pkt., 25c; ¼ oz., 50c; oz., \$1.75. **Victoria**, mixed, trade pkt., 25c; oz., \$1.20.
Hohenzollern, white, trade pkt., 25c; ¼ oz., 65c; oz., \$2.50.
Hohenzollern, Extra Early White, trade pkt., 25c; ¼ oz., 70c.
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Upright Branching, white or pink, each, trade pkt., 10c; ¼ oz., 25c; oz., 65c.
Branching, "Special White," trade pkt., 15c; ¼ oz., 30c; oz., \$1.00.
Giant Comet, white, rose, lavender, light blue, dark blue, crimson, each, trade pkt., 15c; ¼ oz., 30c; oz., \$1.20.
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Balsam, Alba Perfecta, best double white, trade pkt., 10c; ¼ oz., 25c; oz., 70c.
Calla, Devoniensis, new, blooms in 12 months, 100 seeds, 75c.; 1000 seeds, \$6.00.

- Candytuft**, Giant Hyacinth Flowered, white, trade pkt., 10c; oz., 25c; lb., \$2.50.
Canna, Crozy Varieties, mixed, lb., \$1.20; oz., 10c.
Pres. McKinley, Dwarf Florence Vaughan, Red Indian, Egandale, Mme. A. Blanc, Buttercup, Leonard Vaughan, Chicago, Florence Vaughan, David Harum, Duke of Marlborough, Chas. Henderson, each, per 100 seeds, 25c; 250 seeds, 40c.
Carnation, Giant Margaret, white, 1-16 oz., \$1.00; trade pkt., 5 c.
Celosia, Pres. Thiers, trade pkt., 15c; oz., \$1.25.
Thompsoni Magnifica, trade pkt., 10c; ¼ oz., 25c.
Centaurea, Candidissima, 1000 seeds, 25c; oz., \$1.70.
Gymnocarpa, trade pkt., 5c; oz., 30c.
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Daisy, Shasta, 1-32 oz., 65c; trade pkt., 3 c.
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Goliath, new, large, trade pkt., 25c; ¼-oz., 65c.
Mimosa, Sensitive Plant, trade pkt., 10c; oz., 30c.
Moonflower, White Seeded, 100 seeds, 50c.
Early-Flowering Hybrid, oz., 40c.
Musa Ensete, (Banana plant), fresh seed, 100 seeds, \$1.00; 1000 seeds, \$8.00.
Nasturtium, Vaughan's Special Mixture of Tall oz., 10c; ¼-lb., 20c; lb., 6 c.
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Pepper, "Christmas," our own saving, 250 seeds, 25c; 1000 seeds, 75c.
Phlox, Dwarf Snowball or Fireball, each, trade pkt., 25c; ¼-oz., 40c; oz., \$1.50.
Large flowering white, pink, scarlet, crimson, each, trade pkt., 10c; oz., 60c.
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Stock, Beauty of Nice, pink, new, 250 seeds, 25c; white, trade pkt., 25c.
Giant Perfection, white, blood red, lilac, pink, each, trade pkt., 25c; ½-oz., 4 c.
White Columa, trade pkt., 25c; ½-oz., 50c.
Sweet Peas, Emily Henderson, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.
Extra Early Blanche Ferry, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.
Countess of Radnor, ¼-lb., 10c; lb., 25c; 5 lbs., \$1.00.
Salopian, ¼-lb., 10c; lb., 25c; 5 lbs., \$1.00.
Blanche Ferry, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.
Sweet Sultan, (Centaurea Imperialis) white, fine cut flower, trade pkt., 5c; ½-oz., 25c; oz., 50c.
Verbena, Mammoth White, Mammoth Pink, each, trade pkt., 15c; ¼-oz., 25c; oz., \$1.00.
Mammoth Mixed, trade pkt., 15c; oz., \$1.00.
"Vaughan's Best" Mixture, best in existence, trade pkt., 25c; ¼-oz., 50c; oz., \$2.00.
Wild Cucumber, this sells well on the counter, price, oz., 10c; lb., \$1.00; in beautiful colored bags, per 100 pks., (retail price, 5c) \$2.50.

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LIS** Formosissima. Bulbs and Hardy Plants.
Write for price list.

E. S. MILLER, Wading River, L. I., N. Y.

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. **PEONIES**, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 100. **H. P. ROSES**, dormant, own roots, \$1.50 per doz.; \$12.00 per 100. **PANSIES**, transplanted, the very finest, \$1.50 per 100. F. A. BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

California Privet...

LAST CALL!

8,000 18 to 24-inch, bushy, \$11.00 per 1000.
7,000 12 to 18-in., branched; 8.50 per 1000.
Other sizes sold out.

FURROW BROS., Guthrie, Okla.

Please mention the American Florist when writing.

OUR PASTIMES.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York. Robt. Klft, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., Chicago, Ill.

Bowling Among the Ancients.

A very interesting paper was read recently before the Antiseptic Society of Philadelphia by Professor Rathskeller, of the chair of prismatic theology in the University of Fishtown. His lecture has been deemed of sufficient importance to be made public.

The professor has made an exhaustive study of the subject of bowling, from the time of its inception in Rome, during the reign of Emperor Hatrack, the Fourth, B. C. 7,963, down to last night's games, and his labors have resulted in greatly enriching the treasury of bowling lore. He has spent four years chiefly amid the ruins of ancient Greece and Carthage, and his investigations show that bowling was highly popular among the peoples who once inhabited those shop-worn countries. Light has also been thrown on matters that have long puzzled the wisest savants. Hieroglyphics that have for ages remained undecipherable, are now known to be bowling scores, as to tell the truth, any one with half an eye should have been able to see long ago. The professor made a number of incisions in the earth that yielded some remarkable disclosures.

At one place, near the ruins of Frogopolis, he discovered the rigid figure of a man, in the attitude usually assumed after delivering the ball, who had probably been standing there thousands of years, petrified, no doubt, with astonishment that one of his choicest strike balls had yielded nothing but a measly split.

At another place, at a great depth, was found an incongruous mass of lignum-vitæ ball, human skeletons, Dayton pins, soused pigs' feet, schwartzbrod mit kimmel, Dutch mustard and hard radishes, near which was a pyramid of Bergner & Engel sextiles, showing conclusively that the bowlers of that age attended strictly to business, and seldom went home to meals.

The professor has an idea that the Aztecs were bowling fiends, and that research in their country would be productive of much interesting and useful information. It is his purpose to set out next spring and begin his excavations in Mexico, as soon as the frost is well out of the ground in that country.

P. S.—We did not observe any of the representatives of our esteemed contemporaries at the lecture, hence we in all probability have the honor to be the first to present a synopsis of this important paper to the world. The Deacon, The Commodore, The Barrister and the Judge were on hand and listened with spell-bound attention to this able exposition of their favorite pastime.

Lion in Flower Shop.

Next to a bull in a china shop, a lion in a hothouse seems the real thing in the way of a destroyer. Daniel Cole, a florist of Newark avenue and Erie street, Jersey City, says so. Although a florist's shop at this or any season is not exactly a circus or a zoo, Cole decided a few days ago he needed an extra attraction to draw eyes to his show windows. So he

installed a lion cub, six months old, among his American Beauties. Cole was not on familiar terms with the animal—but that didn't worry the cub. To prove that fact the budding king of the desert began to assert his authority in the shop. He began at the bottom, like other creatures of ambition, and selected the florist's ankle when Cole opened the shop yesterday.

Cole went higher up—several wooden steps—and from his lofty perch resented verbally the interference with the conduct of his business. In his flight he dropped his wallet, containing \$10 in bills. The cub proceeded to chew on the nice, crisp, green salad of Uncle Sam until he had devoured \$7, then he meandered into the icebox in search of other fields to conquer. Then Mr. Cole, the

wily old soul, slammed the door, and the cub was in the "cooler." Its keeper bailed it out, but not before it had swallowed the lion's share of the flowers in the box. —New York Press.

JERSEY CITY, N. J.—The Murray greenhouses on Bergen avenue are to be removed, Murray Brothers having decided to sell off the property in residential lots.

ATLANTA, GA.—The Tyrol Floral Company has been incorporated with a capital of \$25,000. New greenhouses will be constructed to be operated as a wholesale and retail plant. The firm is composed of W. T. Ashford, John A. Lambert and M. J. Smith.

HINODE FLORIST GO.
 County Road, SECAUCUS, N. Y.
 And Fifth Street, WOODSIDE, N. Y.

**Largest Growers of
 EASTER LILIES**

Fine Stock on Hand. Also

Japanese Novelties

In Tiny Plants, etc.

Inspection Kindly Invited. Orders Booked Now.

White!! White!! White!!

	Per 100	
WHITE ROSES.....	\$4.00 to \$8.00	Ask For Quotations on 1,000 Lots of Colored Roses, Colored Carnations, Etc., Etc.
WHITE CARNATIONS.....	2.00 to 3.00	
WHITE TULIPS	2.00 to 3.00	
WHITE LILACS	\$1.25 per bunch	
PAPER WHITES.....	2.00 to 3.00	
ROMANS and PAPER WHITES.....	2.00 to 3.00	
FINE VALLEY.....	3.00	
SHORT VALLEY.....	1.50	
CALLAS and HARRISII.....	12.50	

We will take a few more orders on our fine Longiflorum Lilies for Easter delivery at \$14.00 per 100. They are the best in the market. * * * * *

**A. L. RANDALL CO.,
 Chicago.**

FIANCEE

MAKES GOOD

As Expected At

Detroit Exhibition.

WINS

Lawson Gold Medal

OUR NEW ACQUISITION

THE CARDINAL

WINS FIRST PRIZE

FOR BEST 100 SCARLET BLOOMS.

Eight Other Firsts and Several Second Prizes.

CHICAGO CARNATION CO.,

JAMES HARTSHORNE, MGR.,

JOLIET, ILLINOIS.

Cleveland.

Business for the past week has been quiet. Mild weather has increased the supply of stock all along the line, but not to any alarming extent. Prices continue about the same for good stock, poor grades having dropped a little. Carnations and roses are at their best, and some fine stock is coming into market. Tulips and daffodils are getting better right along. Bate Brothers are shipping in some splendid La Reine tulips, which find a ready market, the color being just right. Now that the fine weather is with us, the lily growers are off the anxious bench. The prospect for a plentiful supply for Easter seems good. A. Graham & Son have the finest lot that has been seen here for many a year. Hydrangeas and Crimson Ramblers are likely to be scarce unless sunshine keeps with us. Out Mentor way John Merkel has things looking in fine shape. A couple of houses filled with lilies are in fine condition. His Crimson Ramblers are up to the usual standard of excellence. His carnations and roses are also in superb shape.

Carl Hagenburger has the honor of being the only grower in this vicinity who has been successful in flowering gardenias. He intends to devote more space to their culture next year.

Robert Kegg, our park superintendent, who has been confined to his home for the past three months with rheumatism, is somewhat improved.

Mrs. Guy Bate is progressing as favorably as could be expected from her recent accident, being burned from the explosion of a coal oil lamp.

George Tilton, after a serious illness of several weeks, is able to be around the store for a few hours each day.

George E. Fancourt, of Kingston, Pa., and Walter Mott, of Jamestown, N. Y., were visitors in town.

George Smith is passing around the cigars to the health of a new boy.

ECHO.

Hartford, Conn.

There has been on public exhibition for two weeks the collection of dried flowers and photographic views illustrating the native flora and horticultural development of the state which is to form a part of Connecticut's display at the Louisiana Purchase exposition. The flora of the state is represented by a collection of over 2,000 specimens mounted on large swinging screens. Members of the Connecticut Botanical Society and the Connecticut Horticultural Society have been active for a year in collecting and preparing this exhibit which, it is believed, will be the finest in its class in the great exposition. The photographic views are superb and all richly framed. They represent scenes in the public parks of Hartford, New Haven, Meriden and Bridgeport, and are supplemented by views in a number of the finest private estates in Connecticut. The park views were collected and arranged by Theodore Wirth, superintendent of Hartford parks, and the private estate views under the supervision of J. F. Huss, of the Goodwin estate in Hartford. The grounds around the Connecticut building at St. Louis will be planted and adorned by Mr. Karlstrom, Mr. Wirth's assistant in the park department.

All Right in Canada.

AMERICAN FLORIST Co.—Every week the AMERICAN FLORIST is all right.
Toronto, Ont. R. MEARNS.

NEW ROSES..

Cardinal.

A cross between Liberty and unnamed Carmine Seedling. A strong, robust grower, with large massive crimson flowers, deliciously fragrant, never shows an open center. Keeping qualities first-class. Price, 2½-inch pots, \$30.00 per 100.

Enchantress.

A cross between Testout and unnamed Seedling. The most prolific bloomer under glass. Makes no blind wood and never stops growing. Every shoot produces a handsome, clear pink flower, which never fades out. A good keeper. Prices, 2½ and 3-in. pots, \$30 per 100.

NOT LESS THAN FIFTY SOLD AT PRESENT. CASH WITH ORDER. STOCK LIMITED.

JOHN COOK,

318 N. Charles St., BALTIMORE, MD.

NEW LIGHT PINK CARNATION

“NEW Daybreak”

TO the commercial grower who is looking for profit, this variety is all that its name implies, and will at once commend itself as the old Daybreak reincarnated without its faults. Color, true Daybreak shade, of Daybreak and Scott extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper.

PRICE: \$3.00 per dozen; \$12.00 per 100; \$100.00 per 1000.

OTHER NEW AND STANDARD VARIETIES.

CHRYSANTHEMUMS.

The best American and foreign varieties and best standard sorts. Write for price list.

H. WEBER & SONS, Oakland, Md.

ROSE PLANTS.

STRONG STOCK FROM 2½-INCH POTS. READY NOW.

	Per 100	1000		Per 100	1000
UNCLE JOHN.....	\$20.00	\$150.00	Suorise.....	\$5.00	\$40.00
Chateau.....	6.00	50.00	Bridesmaid.....	3.00	25.00
American Beauty.....	6.00	50.00	Bride.....	3.00	25.00
			Golden Gate.....	3.00	25.00

ROSE CUTTINGS. Well Rooted.

	Per 100	1000		Per 100	1000
American Beauty.....	\$3.00	\$25.00	Bride.....	\$1.50	\$12.50
Bridesmaid.....	1.50	12.50	Golden Gate.....	1.50	12.50

THE BENTHEY-COATSWORTH COMPANY,

35 Randolph St., CHICAGO.

Rooted Carnation Cuttings

	Per 100
Enchantress.....	\$5.00
Queen.....	4.00
Fair Maid.....	2.50
Lawson.....	2.50

Mrs. Fisher Carnations

For Summer Blooms, 2-inch stock, \$2.50 per 100; \$20.00 per 1000.
Fancy 3-inch Sprenger, worth \$5.00, to close out at \$3.50. Write.

H. F. LITTLEFIELD, WORCESTER, MASS.

GEO. A. KUHL, Pekin, Ill.

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.



UNCLE JOHN.

Rose Plants

STRONG STOCK FROM 2 1/2-INCH POTS.

Uncle John The finest pink rose yet introduced; beautiful in color, a free bloomer; best money maker.
\$20.00 per 100; \$150.00 per 1000.

Mme. Chatenay One of our leaders; fine commercial grower, with strong, straight stems and every flower perfect in form and color. You ought to have this one.
\$6.00 per 100; \$50.00 per 1000.

Other Plants as Follows:

	From 2 1/2-inch pots.	Per 100	Per 1000
AMERICAN BEAUTY.....		\$7.00	\$60.00
SUNRISE.....		5.00	40.00
KAISERIN.....		4.00	35.00
LIBERTY.....		6.00	50.00
BRIDESMAID.....		3.00	25.00
BRIDE.....		3.00	25.00
PERLE.....		3.00	25.00
GOLDEN GATE.....		3.00	25.00
IVORY.....		3.00	25.00
LA FRANCE.....		4.00	35.00

ROSE CUTTINGS.

Well Rooted.

	Per 100	Per 1000
IVORY.....	\$1.50	\$12.50
BRIDESMAID.....	1.50	12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
PERLE.....	1.50	12.50
SUNRISE.....	3.50	30.00

CARNATIONS Well Rooted, Healthy Cuttings, of the following Varieties, Now Ready;

	PINK.	Per 100	Per 1000
MRS. LAWSON.....		\$1.50	\$12.50
MRS. E. A. NELSON.....		2.50	20.00
GUARDIAN ANGEL.....		1.25	10.00
MRS. HIGINBOTHAM.....		2.00	15.00
SIBYL.....		3.00	25.00
McKINLEY.....		3.00	25.00
JOOST.....		1.25	10.00

	RED.	Per 100	Per 1000
ESTELLE.....		2.50	20.00
MRS. INE.....		1.25	10.00
CHICAGO (Red Bradl).....		2.00	15.00
HARLOWARDEN.....		3.00	25.00

	WHITE.	Per 100	Per 1000
MURPHY'S WHITE.....		3.00	25.00
FLORA HILL.....		1.25	10.00
WHITE CLOUD.....		1.25	10.00
PERU.....		1.25	10.00
QUEEN LOUISE.....		1.25	10.00
NORWAY.....		1.25	10.00
MARION.....		1.25	10.00
GOV. LOWNDES.....		3.00	25.00
GOV. WOLCOTT.....		3.50	30.00

	VARIEGATED.	Per 100	Per 1000
MRS. BRADT.....		2.00	15.00

ALL STOCK SOLD UNDER EXPRESS CONDITION THAT IF NOT SATISFACTORY IT IS TO BE RETURNED IMMEDIATELY WHEN MONEY WILL BE REFUNDED.



MME. CHATENAY.

PETER REINBERG,
51 Wabash Avenue, CHICAGO.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
 Store No. 6 Post Office Arcade, BRIDGEPORT, CONN.
 Greenhouses, 2 82 Park Ave. David S. Beach, Prop.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wideawake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50

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

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans, it will be found a most valuable guide. \$4.00.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. Price 25 cents.

STEAM HEATING FOR BUILDINGS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated; 250 pages. \$1.00.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful practical florist. Illustrated. \$2.00.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with a classification of all the leading varieties. \$1.25.

AMERICAN FLORIST CO.,
 324 Dearborn Street, CHICAGO.



Indianapolis

The best bright pink carnation in sight. Come and see it growing. Awarded Certificate of Merit Indiana State Florists' Ass'n, Jan. 12, 1903. Scored 85 points Chicago, Nov. 18, 1903. Certificate of Merit, Cincinnati Florists' Club, Jan. 9, 1904. Certificate of Merit, Indiana State Florists' Ass'n., January 12, 1904. What more could you ask? \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

A FINE LOT OF STANDARD SORTS.

Per 100		Per 1000	
McKinley	\$3.00	Floriana	2.00 18.00
Harlowarden	5.00	Q. Louise	2.00 18.00
Her Majesty	5.00	E. Crocker	1.50 12.50
Flora Hill	1.50 \$12.50	Lawson	2.00 18.00
Crane	2.50 20.00	G. Roosevelt	2.00
Estelle	3.00 25.00	P. Palmer	3.00
W. Cloud	1.50 12.50	E. A. Nelson	3.00
Lorna	2.00 18.00	Apollo	3.00
Viola Allen	3.00 25.00		

BAUR & SMITH,
 330 W. 38th St., Indianapolis, Ind.

The New Scarlet Carnation

AMAZE.

A profuse Christmas bloomer, strong grower, heavy stem, flower intense scarlet and remarkable keeping qualities. Rooted Cuttings ready February 1.

PRICE: \$10.00 per Hundred: \$75.00 per Thousand Cash.

ORDER FROM THE GREENHOUSES,

JEROME SUYDAM, Flatbush, Brooklyn,
 N. Y.

OR FROM THE AGENTS,

Slinn & Hughes, Coogan Building,
 NEW YORK CITY.

Please mention the American Florist when writing.

CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL	\$2.50	\$20.00	PERU	3.00	25.00
THE SPORT	2.50	20.00	WHITE CLOUD	2.50	20.00
MRS. LAWSON	3.00	25.00	AMERICA	2.50	20.00
MRS. HIGINBOTHAM	3.00	25.00			

ROSE CUTTINGS.

BRIDE	\$12.50 per 1000	IVORY	\$12.50 per 1000
BRIDESMAID	12.50 "	GOLDEN GATE	12.50 "

Lots of 500 at 1000 rate.

SINNER BROTHERS,
 Wholesale Cut Flowers,

58-60 Wabash Avenue, CHICAGO.



New Carnation
THE BRIDE
For 1904.

We have grown this variety for the past four years and can with confidence assert that it is the most prolific white variety we have ever grown.

The flowers average 3 to 3½ inches in diameter, of ideal form and the purest white, borne on good, stout stems which average 14 to 16 inches long, after the plants get well established; a free and continuous producer, and a healthy, clean grower, not subject to disease in any form.

Awarded Certificate of Merit by the New York Florists' Club, February 11, 1901; First prize for the best 100 white at the American Carnation Convention Show in Brooklyn, N. Y., February 1903; Certificate of Merit by the Pennsylvania Horticultural Society at their March Exhibition, 1903.

Strong, well-rooted stock ready February 1, 1904.

Prices \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000.

JOHN N. MAY,
SUMMIT, N. J.

Please mention the American Florist when writing

— AS EXPECTED —

The CARDINAL WINS.

In the 100 Scarlet Class at Detroit. "It is a great Carnation, all right,"
 is the consensus of opinion.

— ORDERS NOW BEING BOOKED BY —

CHICAGO CARNATION COMPANY,
JOLIET, ILL.

WM. MURPHY,
CINCINNATI, O.

Please mention the American Florist when writing.

CARNATIONS.

50,000 ROOTED CUTTINGS.

The profitable ones to grow for Cut Flowers. Our stock is exceptionally fine. List of varieties and prices on application.

C. AKEHURST & SON,
WHITE MARSH, MD.

Please mention the American Florist when writing.

Louise Naumann

If you are looking for a first-class commercial dark pink, one that would produce first-class blooms in abundance all the year around, buy the LOUISE NAUMANN. It is a bread and butter Carnation. There is nothing freer in sight. Strong Rooted Cuttings Ready Now. \$8.00 per 100; \$70.00 per 1000.

G. M. NAUMANN, 1537 Doan St., Cleveland, O.

Please mention the American Florist when writing

The American Florist

A JOURNAL FOR THE TRADE.

What Advertisers Say

SAME OLD STORY.—AM. FLORIST Co.:—Kindly discontinue our adv. "Bred in Old Kentucky" The Florist is certainly a splendid medium for advertising. The first insertion brought us orders enough to clean us out of cuttings. We enclose \$1.00 to pay for the insertions. When we have more stock will try it again. We were not only highly pleased with the results, but with manner in which you displayed our adv. C. L. BRUNSON & Co. Paducah, Ky.

PLEASURE AND PROFIT.—AM. FLORIST Co.:—Your paper is a weekly source of pleasure and profit to every one connected with this concern, and three copies have been subscribed for by the company for several years—one to my house, one to the greenhouses and one to the store. In addition to that the foreman and one or two of the men each receive a copy.

J. A. VALENTINE, Pres.
Denver, Colo. Park Floral Co.

THE WHOLE THING.—ED. AM. FLORIST:—We enclose P. O. order for the AMERICAN FLORIST for another year. We consider it the "whole thing."
SOUTH PARK FLORAL Co.
New Castle, Ind.

Advertising Rates.

\$1.00 per inch, \$30.00 per page of 30 inches. Discounts on time contracts as follows:

- 6 insertions..... 5 per cent.
- 13 insertions..... 10 per cent.
- 26 insertions..... 20 per cent.
- 52 insertions..... 30 per cent.

Space on front and back cover pages sold only on yearly contract at \$1.00 per inch, net.

THE AMERICAN FLORIST CO.

324 Dearborn Street,
CHICAGO, ILL.

Cannot Do Without It.

ED. AM. FLORIST:—Enclosed please find \$1 for renewal of subscription. We cannot do without this paper and would consider ourselves back numbers if we did not get it.
J. SYLVESTER.

The WHITE LAWSON.

The Most Valuable White Carnation.

When one considers that about a third of all the carnations grown to-day are LAWSON, the value of a WHITE LAWSON will be at once apparent, and it will undoubtedly stand as far ahead of all white carnations as LAWSON stands ahead of all pink carnations for commercial or private use.

Nothing need be said in praise of WHITE LAWSON except to state that it is a sport of MRS. THOS. W. LAWSON, and is as good as that variety in every respect, with all its remarkably free blooming qualities, but is pure white. No extended description is necessary; its value will appeal at once to every carnation grower.

This originated with Mr. Charles Allen, Floral Park, N. Y., and recognizing at once its great value to the trade we purchased his entire stock. As there are other stocks of White Lawson offered, in order to secure this superior stock, the value of which has been established, order from us, as

WE CONTROL THIS ENTIRE STOCK

As the demand for this is very great and stock somewhat limited, in order to secure early delivery orders should be placed without delay. We can now offer for early March delivery Strong Rooted Cuttings, \$12.00 per 100; \$100.00 per 1000.

Send for our Wholesale Price List, giving list of other novelties—Flamingo, Mrs. M. A. Patten, Nelson Fisher, Etc., also other choice standard sorts. We have, also, an extra fine lot of

Gold Storage Lily of the Valley For EASTER Forcing.

Pierson's Premier An extra selected quality of very fine sand-grown Berlin pips. This will give the largest percentage of first-class spikes with the largest number of bells, and will be found very satisfactory. It is more than worth the difference in cost between the price at which we offer it and the price of Extra Quality offered below.

\$1.50 per 100; \$3.00 per 1000; \$30.00 per case of 2,500 pips.

EXTRA QUALITY THREE-YEAR-OLD HAMBURG PIPS. A fine grade of Hamburg Valley and exceedingly good value at the price offered. \$1.25 per 100; \$11.00 per 1000; \$25.00 per case 2,500 pips.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

CARNATION CUTTINGS.

We now have ready good, well-rooted Cuttings, from the following varieties:

	100	1000		100	1000
Enchantress	\$6.00	\$50	Eldorado	\$2.50	\$20
Fair Maid	3.00	25	Manley	4.00	30
Fragrance	6.00	50	Adonis	4.00	30
The Queen	5.00	40	Lawson	2.50	20
Boston Market	4.00	30	Joost	2.50	20
Gov. Wolcott	5.00	40	Harlowarden	6.00	50
Bradt	3.00	25	Harry Fenn	5.00	40
Prosperity	2.50	20			

NEW VARIETIES FOR 1904—

	100	1000
Nelson Fisher	\$12.00	\$100.00
Mrs. M. A. Patten	12.00	100.00

All selected cuttings from healthy stock. Send a your order now and secure early delivery.

BACKER & CO., Long Dis Tel. BILLERICA, MASS.
Please mention the American Florist when writing.

CARNATIONS

Rooted Cuttings. Ready Now.

	Per 100	Per 1000
QUEEN LOUISE	\$1.50	\$12.50
LILLIAN POND	5.00	40.00
ETHEL CROCKER	1.50	10.00
MRS. E. A. NELSON	2.00	15.00
FLORIANA	1.50	12.50
ENCHANTRESS	6.00	50.00

Send for estimates on complete order and list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

CARNATION PLANTS.

Mrs. Francis Joost, pink, 1,500, 2x2-inch pots, \$2.00 per 100; \$17.00 per 1000; the lot for \$24.00. Will exchange for Geraniums, Ferns, Palms, etc. What have you? The above is cool-grown, healthy stock. Satisfaction guaranteed.

N. J. FLINT, Richmond, Mo.

CARNATION CUTTINGS.

Flora Hill, Queen Louise, Joost, Gomez, Crane, etc. Geraniums, Vincas, Double Petunias, Alternantheras. Rooted Cuttings, 2 and 3-inch. Coleus, the best varieties, Chrysanthemums, etc. Write for prices.

C. W. BLATCHLEY, Plantsville, Conn.

NEW PINK CHRYSANTHEMUM

American Beauty

Certificate C. S. A.

Originated in this country three years ago it has been shown to possess all the qualities required by a first-class commercial Chrysanthemum. Clean, healthy growth, 3½ to 4 feet high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time, Nov. 20 and later.

Price, 50c each; \$5.00 per dozen; \$30.00 per 100.

Rooted Cuttings.

Convention Hall, Marie Liger, Yellow Eaton, Columbia, R. E. Richardson, Godfrey's King, Mme. Diederichs, \$6.00 per 100.

Nellie Pockett, Mrs. W. B. Chamberlain, Edgar Sanders, Kansas City Star, T. Eaton, Mrs. E. D. Smith, Maud Dean, Primo, White Bonaffon, Lady Playfair, Mary Hill, Intensity, Adrian, H. Hurrell, Brutus, Bonita, Yanoma, Orizaba, Lincoln, Monrovia, John Shrimpton, G. W. Childs, Nagoya, Rieman, Mrs. Coombes.

Rooted Cuttings, from sand, \$2.00 per 100; \$18.00 per 1000.

Bonaffon, Mrs. H. Robinson, Niveus, Murdock, Jerome Jones, F. E. Hayes, Merry Monarch, white and yellow; Walter Molatsch, Robert Halliday, Mme. Bergman, Glory of the Pacific, Polly Rose, Ivory, pink and white; Willowbrook, Helen Bloodgood, Col. D. Appleton.

\$1.25 per 100; \$10.00 per 1000.

—CASH WITH ORDER PLEASE.—

G. F. Neipp, Aqueduct, L. I., N. Y.

Jamaica Post Office, Woodhaven Station.

Please mention the American Florist when writing.

EXTRA SELECTED CARNATION CUTTINGS.

Ready to Ship at Once in Both
NOVELTIES AND STANDARD VARIETIES.

Plants from 2-inch pots are early cuttings and in fine condition and are just the thing for inside growing.

LIGHT PINK VARIETIES.

	Per 100	Per 1000
2,000 ALPINE CLOW, from soil and sand.....	\$ 4.00	\$30.00
500 MRS. THAYER, from 2-inch pots.....	4.00	30.00
500 " from sand.....	4.00	30.10
2,000 ENCHANTRESS, from sand.....	6.00	50.00

DARK PINK VARIETIES.

500 ETHEL WARD, from 2-inch pots.....	12.00	
1,000 " from sand.....	12.00	100.00
2,000 LAWSON, from 2-inch pots.....	3.00	27.50
3,000 " from sand.....	3.00	25.00
1,000 NELSON FISHER, from 2-inch pots.....	12.00	100.00
500 INDIANAPOLIS, from 2-inch pots.....	12.00	100.00

SCARLET VARIETIES.

700 COV. BLISS, from 2-inch pots.....	3.00	
1,000 CHRISTMAS EVE, from sand.....	10.00	75.00

CRIMSON VARIETIES.

	Per 100	Per 1000
1,500 THE PRESIDENT, from sand.....	12.00	100.00
500 OCTOROON, from sand.....	10.00	
1,000 HARRY FENN, from sand.....	4.00	30.00

WHITE VARIETIES.

1,000 MACKINAC, from sand.....	10.00	75.00
500 LADY BOUNTIFUL, from 2-inch pots.....	12.00	
1,000 THE BELLE, from 2-inch pots.....	12.00	
1,000 LORNA, from sand.....	2.50	20.00
500 COV. LOWNDES, from sand.....	6.00	50.00

VARIEGATED VARIETIES.

1,000 JUDGE HINSDALE, from sand.....	12.00	100.00
1,000 MRS. PATTEN, from 2-inch pots.....	12.00	
500 SENSATION, from sand.....	10.00	
250 GOLDEN EAGLE, from 2-inch pots.....	10.00	
500 " from sand.....	10.00	75.00
1,000 PROSPERITY, from sand.....	2.50	20.00

Our carnation plants are in the best condition we have ever had them. You save 5 per cent by sending cash with your order.

The **COTTAGE GARDENS CO.**, Queens, Long Island.
C. W. Ward, Manager.

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....	\$.75	100 Plants and over and less than 1,000, each.....	\$.25
12 Plants, each.....	.60	1,000 Plants and over, each.....	.20
25 Plants, each.....	.50	3-inch pot plants, 5c each additional.	
50 Plants and over and less than 100, each.....	.30	PRICES OF GRAFTED STOCK GIVEN ON APPLICATION.	

JOHN BREITMEYER'S SONS,

Gratiot and Miami Aves., DETROIT, MICH.

SELLING AGENTS:
ERNST ASMUS & SON,
A. ROLKER & SONS,

MICHIGAN CUT FLOWER EXCHANGE,
VAUGHAN'S SEED STORE,
S. S. SKIDELSKY,

J. AUSTIN SHAW,
CLUCAS & BODDINGTON CO.

Cincinnati.

The warm weather of the last few days has brought out an abundance of all kinds of flowers. Retail trade inclines to be dull, and with the big supply there has to be an outlet some place. The street fakirs are now in their glory, and some very good flowers are seen on their stands. There is an increased demand for smilax and asparagus, both plumosus and Sprengeri, while common ferns have gone up to \$2.50 per 1000.

Richard Witterstaetter has sold his new red carnation, The Cardinal, James Hartshorne, of the Chicago Carnation Company, and Wm. Murphy, of this city, being the purchasers. It is the opinion of the growers around here that Messrs. Hartshorne and Murphy have secured one of the best scarlet carnations in cultivation to-day.

Messrs. Witterstaetter, Gillett, Peterson, Murphy and Partridge made up the delegation from this city to the meeting of the American Carnation Society at Detroit.

George & Allan have been sending some of their bulbous stock to Charles Kuehn, St. Louis, Mo., and are well pleased with their returns.

Thomas Windram and William Murphy have returned from Chicago, Joliet and Lafayette, and report a pleasant time.

A. O.

Providence. R. I.

Business is fair, but nothing special. Flowers are coming in more plentifully, and another week will find a full crop in swing, mostly of roses, carnations and bulbous stock. Violets are suffering from an oversupply and are slaughtered by the outside stores at funny figures. Hardy and fancy ferns are scarce. Bague, of Hinsdale, has usually supplied the local market, but is now unable to do so on account of taking contracts with the big towns and giving poor Providence the go-by. Azaleas are common, but find a slow call.

The Rhode Island Horticultural Society has reached the fiftieth anniversary of its incorporation and proposes to commemorate the event by making an effort to secure for itself a permanent home, where its meetings and exhibitions can be held and its library housed. "Better late than never." There is no surer road to wealth and influence for a society than the possession of some real estate that will appreciate in value, while at the same time furnishing headquarters without cost.

M. M.

Rockford, Ill.

The flower trade in this city has increased enormously in the past few years, and those who have kept track say the capacity for production has been more than doubled. All the florists in the city are looking forward to a good trade in the coming months. They have looked well after their plants during the winter and none of them report serious losses from cold. Indications are that a good Easter trade will be enjoyed.

S.

Better Than the Others.

ED. AM. FLORIST:—Enclosed is \$1 for another year's subscription to the AMERICAN FLORIST. I have sent for sample copies of three different florist papers this winter but none is up to the AMERICAN FLORIST.

C. W. SIBLEY.

Athol, Mass.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Flamingo, March delivery.....	\$12.00	\$100.00	Mrs. M. A. Patten.....	\$12.00	\$100.00
Lady Bountiful.....	12.00	100.00	White Lawson, March delivery...	12.00	100.00
The Belle.....	12.00	100.00	Albatross, March delivery.....	10.00	80.00
Indianapolis.....	12.00	100.00	Crusader.....	10.00	80.00
Nelson Fisher, March delivery.....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Enchantress.....	\$6.00	\$50.00	Harlowarden.....	\$6.00	\$50.00
Estelle.....	4.00	30.00	Lillian Pond.....	5.00	40.00
Fragrance.....	6.00	50.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Golden Beauty.....	5.00	40.00	Pres. McKinley.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	The Queen.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00	White Bradt.....	6.00	

STANDARD SORTS.

	Per 100	Per 1000		Per 100	Per 1000
America.....	\$1.75	\$15.00	Morning Glory.....	\$2.50	\$20.00
Cressbrook.....	4.00	30.00	Mrs. F. Joost.....	1.75	15.00
Enquirer.....	2.50	20.00	Mrs. H. N. Higinbotham.....	4.00	35.00
Ethel Crocker.....	1.75	15.00	Mrs. E. A. Nelson.....	4.00	35.00
Flora Hill.....	1.75	15.00	Mrs. Potter Palmer.....	3.00	25.00
Genevieve Lord.....	1.75	15.00	Mrs. Thos. W. Lawson.....	2.50	20.00
G. H. Crane.....	2.50	20.00	Norway.....	1.75	15.00
Gov. Roosevelt.....	3.50	30.00	Prosperity.....	2.50	20.00
Lorna.....	3.00	25.00	Queen Louise.....	1.75	15.00
Marquis.....	1.75	15.00	White Cloud.....	1.75	15.00

DORMANT CANNAS. Strong 2-3 eyed bulbs. TRUE STOCK.

	Per 100		Per 100
Allemania.....	\$3.00	Mme. Louis Druz.....	\$ 2.50
Burbank.....	2.00	Mlle. Berat.....	2.50
Black Beauty.....	7.00	Mme. Crozy.....	2.00
Chas. Henderson.....	2.00	Monsieur Jarry Deslozes.....	3.00
Chicago.....	6.00	Mrs. Kate Gray.....	5.00
Duke of Marlborough.....	2.00	Mont Blanc.....	20.00
David Harum.....	6.00	Pennsylvania.....	5.00
Egandale.....	4.00	Red Indian.....	5.00
Leonard Vaughan.....	4.00	Secretaire Chabanne.....	2.00

The following sorts \$1.00 per 100:

Exp. Crampbell	L. Patry	Paul Marquant
Francois Reif	Mme. Alfred Blanc	Partenope
J. Aymard	Mme. Celestin Dubost	President Carot

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

Please mention the American Florist when writing.

STRONGLY ROOTED CARNATIONS NOW READY.

GROWN OUT OF DOORS AND ROOTED WITHOUT HEAT.

WHITE.	Per 100	1000	SCARLET.	Per 100	1000
Queen Louise.....	\$1.20	\$10.00	J. H. Manley.....	\$3.50	\$30.00
Flora Hill.....	1.20	10.00	G. H. Crane.....	1.20	10.00
Alba.....	2.50	25.00	America.....	1.20	10.00
Gov. Wolcott.....	3.40	30.00	Mrs. Palmer.....	1.20	10.00
Norway.....	1.00	9.00	Apollo.....	3.50	30.00
Lillian Pond.....	5.00	45.00	Adonis.....	7.00	65.00
Chicot.....	1.00	9.00			
Viola Allen.....	2.50	20.00	CRIMSON.		
			Harlowarden.....	5.00	45.00
			Gov. Roosevelt.....	1.50	11.00
			YELLOW.		
			Eldorado.....	1.00	9.00
			VARIEGATED.		
			Marshall Field.....	3.00	25.00
			Stella.....	3.00	25.00
			Armazindy.....	.90	8.00
			Prosperity.....	1.40	12.00
			Galety.....	2.00	18.00

25 of any one kind at 100 prices. 250 at 100 prices.

We prepay express charges and will ship C. O. D. with the privilege of examination, we assuming all the responsibility of Cuttings arriving in good condition and proving satisfactory.

Loomis Floral Co., LOOMIS, CAL.

The Queen Best Commercial White CARNATION.

Rooted Cuttings, X X X Stock \$5.00 per 100; \$45 per 1000.

FLATBUSH, BROOKLYN, N. Y., January 28, 1904.

JOHN BARR, South Natick, Mass. DEAR SIR:—The rooted carnation cuttings of "Queen" came to hand safely, and are nice, clean, well rooted stock—in short, all we could desire.

Truly yours, DAILEDDOUZE BROS.

Send for Descriptive Circular and Price List.

JOHN BARR, South Natick, Mass.

NEW ROSE GENERAL MacARTHUR.

Hybrid Tea.



Color by far the most brilliant of any shade of crimson forcing rose ever offered, retaining its brilliancy when fully expanded. It is also one of the very sweetest varieties ever offered, of very easy culture, as it can be grown in the same temperature as an ordinary Tea variety such as Bride. It is a good, strong, vigorous grower, producing stems 24 to 30 inches long, a free and continuous producer. It can be grown at much less cost than Meteor or Liberty and is a much brighter color than either. Also larger when fully expanded. We predict that this will be the red rose for the multitude. Ready for distribution April 1, 1904.



THE

Storrs & Harrison Co.
PAINESVILLE, O.



Prices:

FROM 2½-INCH POTS.
OWN ROOTS.

\$ 6.00.....	per dozen
10.00.....	per 25
15.00.....	per 50
25.00.....	per 100
57.50.....	per 250
110.00.....	per 500
200.00.....	per 1000

GRAFTED PLANTS FROM
2½-INCH POTS.

\$ 7.00.....	per dozen
12.00.....	per 25
18.00.....	per 50
32.00.....	per 100
72.50.....	per 250
140.00.....	per 500
260.00.....	per 1000

Extra strong 3-inch stock
at \$4.00 per 100 additional
to above figures.



JOHN N. MAY,
SUMMIT, N. J.

ROSES.

Get your order in early for roses and we will ship when wanted. We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2x2½ In.	2½x3 In.	3x3 In.
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Bride.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.51	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	La France.....	2.00	3.00	4.00	6.00
8	A. V. Kaiserin.....	2.00	3.00	4.00	6.00
9	Wootton.....	2.00	3.00	4.00	6.00
10	Belle Seibrecht.....	2.00	3.00	4.00	6.00
11	Pres. Carnot.....	2.00	3.00	4.00	6.00
12	American Beauty.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

GEO. A. KUHLE, Pekin, Ill.

Please mention the American Florist when writing.

CARNATIONS.

	Per 100	Per 1000
ENCHANTRESS.....	\$6.00	\$50.00
FAIRMAID.....	3.00	20.00
GOV. WOLCOTT.....	3.00	20.00
BOSTON.....	4.00	30.00
MRS. T. W. LAWSON.....	3.00	20.00

HENRY A. STEVENS CO., Dedham, Mass.

Please mention the American Florist when writing.

Roses. Roses.

	R. C.	Per 100	Plants and Rooted Cuttings.
American Beauty.....		\$3.00	Per 100 \$6.00
Bride, Maid, Ivory, Gate.....		1.50	3.00
Perle, Kaiserin, Canadian Q'n.....		2.00	4.00

LOW RATE BY THE THOUSAND.

BOSTON FERNS. 2½-inch, \$4.00 per 100; 3-inch, \$8.00; 4-inch, \$12.50; 5-inch, \$25.00; 6-inch, \$40.00. Fine stock. Note the special low prices on smaller sizes.

CULLETT & SONS, Lincoln, Ill.

For Summer Bloom

We have to offer a few
Thousand Extra Fine Plants
in 2½-inch pots of

La France Roses

These are now ready to
repot. Price \$3.50 per 100.

HONAKER,
The Florist,
LEXINGTON, KY.

CARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the
following varieties:

	Per 100	1000		Per 100	1000
Oriole.....	\$1.50	\$12.50	Joost.....	\$1.20	\$9.00
Portia.....	1.20	9.00	America.....	1.50	12.50
Lorna.....	1.50	12.00	Flora Hill.....	1.50	10.00
W. Cloud.....	1.50	12.50	Mrs. Palmer.....	1.50	12.50
Q. Louise.....	1.50	12.50	Mrs. L. Ine.....	1.50	10.00

ROSE CUTTINGS.

	Choice well-rooted stock.	Per 100	1000
Bridesmaid.....		\$1.25	\$12.00
Bride.....		1.25	12.00
Mme. Chateoay.....		3.50	30.00
American Beauty.....		3.00	22.50
Golden Gate.....		1.25	12.00

ROSE PLANTS.

	Strong stock in 2½-in. pots.	Per 100	1000
Bridesmaid.....		\$2.75	\$22.50
Bride.....		2.75	22.50
Golden Gate.....		2.50	20.00
Stock Beauties, (2-year old).....		\$10.00	per 100
Stock Liberty, (2-year old).....		10.00	per 100
Asparagus Plumosus, 3-inch pots.....		\$5.00	per 100
Asparagus Sprangeri, 3-inch pots.....		4.00	per 100

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center,
Illinois.

Please mention the American Florist when writing.

Advertise
In The **Spring Number**
AMERICAN FLORIST, March 19.
This Number Will Eclipse All Records.

Utica, N. Y.

The Utica Florists' Club held its annual carnation meeting February 18. There was a large attendance of members and a handsome display of flowers. F. R. Pierson & Company showed Enchantress, Daheim and Adonis. From the Cottage Gardens, Queens, L. I., there were several varieties. One was a variegated pink and white seedling, known as Judge Hinsdale. Another was a white seedling, Mackinac, of fair size, and another a yellow seedling, fringed with red, and known as the Golden Eagle. There was also a dark crimson flower, known as Octoroon; another dark crimson seedling, The President, and a pink seedling, Ethel Ward. Peter Fisher, of Ellis, Mass., had on display Nelson Fisher and Mrs. Patten. A. N. Pierson, of Cromwell, Conn., showed Prosperity, Queen Louise, Enchantress and Adonis. The J. D. Thompson Carnation Company, of Joliet, Ill., sent Nelson Fisher and Mrs. Patten, and F. Dorner & Sons, of Lafayette, Ind., Lady Bountiful and The Belle, both pure white. There was a vase of seedlings from John E. Haines, of Bethlehem, Pa., a pronounced clear yellow, called Imperial, a variegated, Star of Bethlehem, and a large red, John E. Haines.

Besides the carnations the exhibition contained a Begonia Glorie de Lorraine from J. C. Traudt, of Cauajoharie, a pot of primroses from Hakes & Son, of Ilion, a bunch of Bride and Bridesmaid roses from C. F. Seitzer and, from Breitmeyer's Sons, La Detroit.

Albany, N. Y.

Arthur Cowee, the well known gladiolus specialist of Berlin, Rensselaer county, reports a most encouraging outlook for 1904. "The orders received," said Mr. Cowee, "up to Saturday, February 22, are beyond the entire sales of 1903." Mr. Cowee has planned to increase his acreage of bulbs over that of last year. About April 10 he will begin to plant nearly eighty acres of the various varieties of Groff's hybrids. One field will be twenty-two acres in extent and one and one-seventh miles in circuit. Across the road from this great display of color will be a smaller field of thirteen acres. A third large field will contain twenty acres and the remainder of the plantings will be in smaller areas. Opposite the railroad station of the village Mr. Cowee intends to plant one acre of his famous "Silver Trophy Strain" in red shades exclusively so that when the visitor alights from the train he will see in front of him a most dazzling display of color. During the planting season Mr. Cowee has from fifty to eighty men, boys and girls employed on the fields. During the harvest period it is hard to get enough hands to take care of the crop. Last fall about ninety people were employed and this year more may be necessary. Last week Mr. Cowee had to cancel by cable some foreign orders for certain sections because they had all been taken some time ago at better prices.

R. D.

WASHINGTON, D. C.—Fire on the premises of J. L. Barber, on the Wheeler road, started in the chimney of the boiler room February 16. The ends were burned off four greenhouses. Violets were growing in the houses and the cold air ruined them to the amount of about \$1,000. About \$500 damage to the building was caused. The property was not insured.

"A Wee Wail From The Woods(man)"

"QUALITY COUNTS"

("That's All.")

This stock can be had **ONLY** direct from the
Introducers or their Agents:

J. B. DEAMUD, Chicago, Ill.	W. F. KASTING, Buffalo, N. Y.
LEO. NIESSEN, Philadelphia, Pa.	GEO. M. KELLOGG, Kansas City, Mo.
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.	
REED & KELLER, New York City.	
HOLTON & HUNKEL, Milwaukee, Wis.	H. G. BERNING, St. Louis, Mo.
BARTEDES & CO., Denver, Colo.	

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

PINK.	Per 100	1000	RED.	Per 100	1000
Enchantress.....	\$6.00	\$50.00	Estelle.....	3.00	25.00
Morning Glory.....	2.00	15.00	Harlowarden.....	3.00	25.00
Higinbotham.....	1.50	12.50	WHITE.		
Lawson.....	1.50	12.50	Her Majesty.....	3.00	25.00
Guardian Angel.....	1.25	10.00	White Cloud.....	1.50	12.50
Cressbrook.....	1.50	12.50	Flora Hill.....	1.50	12.50
RED.			Queen Louise.....	1.50	12.50
Palmer.....	\$2.00	\$15.00	Norway.....	1.50	12.50

Rooted Rose Cuttings.

	Per 100	1000		Per 100	1000
Bride.....	\$1.50	\$12.50	Golden Gate.....	\$1.50	\$12.50
Bridesmaid.....	1.50	12.00	Meteor.....	1.50	12.50
Ivory.....	1.50	12.50	Liberty.....	3.00	25.00

WIETOR BROS., Wholesale Growers of
Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

VESPER

Finest white Carnation on Market this year; flowers 3 in. to 3 1/4 in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

	Per 100	Per 1000		Per 100	Per 1000
Adonis.....	\$7.00	\$50.00	Lawson.....	\$2.50	\$20.00
Enchantress.....	6.00		Queen Louise.....	2.50	20.00
McKinley.....	4.00	30.00	Mrs. Bradt.....	2.50	20.00
Estelle.....	4.00	30.00	Flora Hill.....	2.00	15.00
Nelson.....	3.50	30.00	Mrs. Joost.....	1.50	12.50

—CASH. NO C. O. D.—

Wm. G. SMITH, 61st & Market Sts., Philadelphia, Pa.

ROOTED CARNATION CUTTINGS.

Special quotations on Gov. Wolcott, Lawson and Palmer in large lots.

	Per 100	1000		Per 100	1000
Gov. Wolcott.....	3.50	25.00	Prosperity.....	2.00	18.00
2000 and over, \$22.00 per 1000.			Lillian Pond.....	3.00	25.00
Lawson.....	1.50	12.50	Palmer.....	1.50	12.50
2000 and over, \$11.00 per 1000.			3000 and over, \$11.00 per 1000.		
			Joost.....	1.50	12.00

Prices on 2 1/4-inch stock on application.

Booking orders for 2 1/4-inch roses and 'mums for spring delivery. Get your orders in and secure good stock. Send in list for estimate.

POEHLMANN BROS. CO., Morton Grove, Ill.

Successful Growers are Wanted

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

Milwaukee.

Business has been very quiet the past week and stock of all kinds has accumulated in the wholesale houses. Prices have taken a tumble on all items excepting greens. Good roses are now held at \$8 per 100 and fancy carnations at \$3, but the bulk of the stock sells for less. Violets and bulbous flowers are plentiful and prices on these two items are below producing price. Harrisii and callas are in heavy supply.

W. H. Kennedy returned from a two weeks' trip to the east, called there by the death of his father. He was well pleased with some novelties in carnations and also by the way the eastern florists decorate their show windows. A little improvement in this respect in this city would no doubt help to boom business.

The meeting of the Florists' Club last Tuesday was not well attended but those present did some preliminary work which it is hoped will lead to a general advance in the price of spring plants, such as geraniums, coleus, etc.

C. B. Whitnall, who has been in California for a few weeks, has returned and is all enthusiasm about that part of the country.

Herman Kroseberg is passing the cigars; it is a boy.

Visitor: E. Haentze, Fond du Lac, Wis. H.

Worcester, Mass.

A visit by the writer to H. A. Cook's establishment found everything up to his usual standard of excellence, although the proprietor complained of his carnations not being as good as last year. Mr. Cook is much pleased with Enchantress. In white he is growing Boston Market, Queen, Gov. Wolcott, and a seedling of his own. A house of Lawson is a veritable sea of bloom. Joost does finely. One house of violets is grown. Mr Cook considers this the hardest winter in his experience.

Business remains fairly steady, but we could take care of a good deal more. The weather continues very cold, the thermometer registering nearly zero every night. Five and one-half feet of frost is reported in town.

A retail store has been opened at 390 Main street under the name of the Bay State Floral Company. H. F. Littlefield is the proprietor.

W. J. Woods has had considerable trouble with frozen water pipes, making it difficult to keep his boilers filled.

A. H. L.

Columbus, O.

There has been quite a bit of loss in this section, due to the cold winter just ended. A number of growers report some of their stock damaged, such as hardy roses, bulbous stock, etc., a great deal of which was intended for Easter forcing. Lilies do not make as good a showing as in former years, there being a greater per cent of disease visible. Holland has been well represented during the last few weeks, fully fifty per cent more representatives having called this season than at any other time. There is a fine crop of carnations and roses coming on for Easter.

While there may be some representatives from Columbus at the Detroit carnation meeting, it is hard to say at this writing who will find time to go.

CARL.

MILLERSVILLE, PA.—The large greenhouse belonging to J. P. Lenhardt, was destroyed by fire. His loss is severe.

CARNATION CUTTINGS.

	Per 100	1000
Enchantress.....	\$6.00	\$50.00
Queen	5.00	40.00
Lillian Pond.....	5.00	45.00
Prosperity.....	2.50	20.00
Lawson.....	2.50	20.00
Cresbrook.....	2.50	20.00
Challenger.....	2.50	20.00
Fair Maid.....	3.00	25.00
Harry Fenn.....	5.00	40.00
Gen. Maceo.....	2.50	20.00
Queen Louise.....	2.00	15.00
Brad.....	3.00	25.00

C. WARBURTON, Fall River, Mass.

50,000 Well Rooted Carnations.

Cuttings now ready. Enchantress, \$6.00 per 100. Harlowarden, \$5.00 per 100. Lawson and Crane, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. **ROSES**, Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

American Beauties

We have a fine lot in 2 x 2 1/2-inch that will be ready to go out early in March. Get your order in at once and we will send you fine stock and guarantee satisfaction.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

Carnations

ROOTED CUTTINGS.

Orders hooked now for next season's delivery of all the leading varieties. Send us a list of what you want and get prices that are right.

Chas. Chadwick, L-Box 11, Grand Rapids, Mich.

Rooted Cuttings. Verbenas, 25 var., good ones, 60c per 100; \$5.00 per 1000. Heliotrope, good varieties, \$1.00 per 100; \$8.00 per 1000. Coleua, all the best, 70c per 100; \$6.00 per 1000. Ageratum, 60c per 100; \$5.00 per 1000. Salvia, \$1.00 per 100; \$8.00 per 100. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Pelargoniums, \$2.25 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write **S. D. BRANT, The Clay Center Florist, Clay Center, Kansas.**

Please mention the American Florist when writing.

AMERICAN FLORIST COMPANY'S

DIRECTORY

FOR 1904.

THIS 1904 Trade Directory is fully revised to date, with thousands of new names and changes of addresses. It contains 412 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada. These lists are arranged both by states and all alphabetically. It also contains lists of Firms that issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Leading Foreign Houses, and much other conveniently indexed and valuable trade information.

PRICE \$2.00 POSTPAID.

THE AMERICAN FLORIST CO.
324 Dearborn Street,
CHICAGO, ILL., U. S. A.

CARNATIONS

Now Ready. A fine lot of High Grade Cuttings.

	Per 100	1000
Enchantress - - -	\$6.00	\$50.00
Lillian Pond - - -	5.00	40.00
The Queen - - -	5.00	40.00

Heliotropes.

Extra fine, well branched plants from 2-inch pots.

\$2.00 per 100; \$18.00 per 1000.

Larchmont Nurseries.

LARCHMONT, N. Y.

EXTRA GRADE

Carnation Cuttings.

READY TO SHIP.

We are supplying the following varieties with stock, guaranteed perfect in every respect at the following prices:

Pink Per 100	1000	White. Per 100	1000
Lawson.....	\$1.75 \$15.00	Glacier.....	\$1.75 \$15.00
Marquis.....	1.50 12.50	White Cloud..	1.50 14.00
Joost.....	1.25 10.00	Flora Hill....	1.50 12.00
Dorothy.....	1.50	Variegated.	
Scarlet.		Prosperity....	1.50 14.00
Crane.....	1.75 15.00		

Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. **CASH.**

The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.

All the Best CARNATIONS

The Leading Novelties of 1904.
The Best Varieties of 1903.
All the Standard Sorts.

Order your Rooted Cuttings **NOW.**

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

Please mention the American Florist when writing.

Orders Booked Now For Future Delivery.

Rooted Cuttings and Plants of Rose Queen of Edgely, (Pink American Beauty). Write for prices.

EDWIN LONSDALE,
Wyndmoor, Chestnut Hill, PHILADELPHIA.

THE AMERICAN FLORIST
Annual Spring Number
MARCH 19,
Will Be A Big Feature.

Our Special Spring Number

What They Say:

TWICE AS GOOD AS OTHERS.

ED. AM. FLORIST:—The adv. in your paper brought more than twice the amount of orders of any other paper. Greene, N.Y.. THE PAGE SEED CO.

HIS BEST INVESTMENT.

ED. AM. FLORIST:—My first dollar invested in the FLORIST has proved to be the best investment I ever made. Fremont, Neb. C. T. C. LOLLICH.

SWAMPED WITH ORDERS.

ED. AM. FLORIST:—Please do not again print our 1-inch advertisement for carnation plants. One insertion sold them, all, in fact brought orders for several times our surplus. Hughsonville, N.Y. A. LAUB & SONS.

THE BEST Easter and Spring BUSINESS

SECURED BY

ADVERTISING IN
THE AMERICAN FLORIST.

NO WASTE
NO FICTITIOUS INQUIRIES.



IT IS BUSINESS that pays the advertiser, and this publication **goes to buyers of stock in all lines.** The seasonable and permanent value of our Special Numbers for advertising purposes is well known.

Our Special Numbers are read, preserved and re-read. Advertisements in body pages will be taken at our ordinary rates, namely, \$1.00 per inch, \$30.00 per page of thirty inches, with the usual discounts on time contracts. On regular front pages and regular back page the price is \$30.00 per page on yearly contract. Advertisements on second, third and fourth Special Cover Pages (printed on heavy toned paper) \$32.50 per page, net.

**PLEASE MAIL YOUR
ADVERTISEMENT NOW.**

To Be Issued
March 19,
1904.

American Florist Company,
324 Dearborn Street,
CHICAGO.

St. Paul, Minn.

Holm & Olson lost a great deal of stock in their store the last month through the escape of gas from a leak in the mains in front of their place. For a time it was hardly noticeable except on plants such as primroses and azaleas, but on February 25 it seemed to come directly into the store and nearly drove everyone out. They have made claim against the gas company, which has promised to adjust the damages.

An unusual amount of funeral work has kept the trade booming, and it has been of the very best class. No noticeable difference in sales has taken place since Lent set in, probably on account of the moderating of the severe weather. A surplus of bulbous stock has been noted, especially in yellow. Smilax and other greens seem almost impossible to get anywhere.

Haugen & Swanson have been bringing in quantities of Sulphur Phoenix (white daffodil), which are selling on sight. This is the first year they have been grown in any quantity here.

Aug. S. Swanson had an unusual amount of fine sprays at a recent funeral.

Recent callers were Ralph M. Ward, Jas. Rolker, J. M. Jansen and Paul Berkowitz. O.

Syracuse, N. Y.

The first meeting of the creditors of Henry Morris, against whom an involuntary petition in bankruptcy was filed at Utica a few weeks ago, was held Monday before Referee in Bankruptcy Chas. L. Stone. Chester H. King was named trustee and his bond was fixed at \$5,000. He had been acting as temporary receiver. Attorney Frank B. Hodges, who appeared for the petitioners, represents thirty of the forty claimants. The liabilities will amount to \$20,000 and the assets between \$3,000 and \$4,000. The examination of the bankrupt took place Friday morning. A new chattel mortgage has turned up. It was for \$500, made last August and given Charlotte E. Rainford. The principal argument against this claim is that the mortgage was not recorded. Another chattel mortgage for \$2,000 was filed shortly before the proceedings against Mr. Morris were instituted.

P. R. Quinlan & Company are planning to rebuild the two greenhouses which were destroyed by fire two weeks ago. A. V. BREWSTER.

MARION, IND.—Elijah Burrows and Andrew Smithmaker were seriously burned February 24 by an explosion of gas in the greenhouse owned by the latter. The two men were at work in the heating room of the greenhouse when the gas escaped from a heater and, becoming ignited, exploded. The men were thrown to the ground and badly burned about the head, face, hands and arms. Farmers living nearby put out the fire.

PADUCAH, KY.—Joseph Mattison has sold his interest in the Mattison greenhouses, maintained here for fifty years, to his partner, Robert Rudolph, who will move them to Rowlandtown, and establish one of the largest floricultural establishments in this end of the state. Mr. Mattison will retain the stock, which he will sell out as rapidly as possible, and no doubt dispose of in the spring. Mr. Rudolph is one of the best known young men in Paducah.

Rooted Carnation Cuttings.

SPECIAL LOW QUOTATIONS FOR TEN DAYS.

PINK.				RED.			
	100	1000	5000		100	1000	5000
Mrs. Lawson.....	\$1.25	\$10.00	\$40.00	G. H. Craue.....	\$2.00	\$18.00	\$80.00
Mrs. Nelson.....	2.00	18.00	80.00	America.....	2.00	18.00	80.00
Guardian Angel.....	1.25	10.00	40.00	Palmer.....	2.00	18.00	80.00
Dorothy.....	1.50	12.50	50.00	LIGHT PINK.			
McKinley.....	2.00	18.00	80.00	Euchautress.....	5.50	50.00	200.00
Ethel Crocker.....	1.25	10.00	40.00	Higinbotham.....	2.00	18.00	80.00
Mrs. Joost.....	1.25	10.00	40.00	Prosperity.....	2.00	18.00	80.00

WHITE.

Flora Hill.....	1.25	10.00	40.00
White Cloud.....	1.25	10.00	40.00
Queen Louise.....	1.25	10.00	40.00
Norway.....	1.25	10.00	40.00
Gov. Wolcott.....	3.50	27.00	125.00

Rooted Rose Cuttings.

Bridesmaid.....	100	1000
Bride.....	\$1.50	\$12.50
Golden Gate.....	1.50	12.50
Ivory.....	1.50	12.50

We have been shipping every day. No frozen shipments reported. If stock not satisfactory will refill or return money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.



GERANIUMS.

A few thousand late fall struck 2 1/2-in. pots, strong, ready to shift.

JEAN VIAUD, MME. LANDRY, DUC DE MONTEMART, VILLE DE POITIERS, ROBT. CHARLIE, HUBERT CHARRON, \$2.50 per 100.

MME. BARNEY, LE SOLEIL, \$3.00 per 100.

DRYDEN..... \$4.00 per 100.

Nathan Smith & Son, ADRIAN, MICH.

SPECIALTIES

ROSES, from 3-inch pots, **In Best** CARNATIONS, for all delivery, Varieties CHRYSANTHEMUMS, SMILAX, VIOLETS.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Orchids!

Just arrived in superb condition, a large shipment of **DENDROBIUM NOBILE**, most useful for florists; also Dend. Chrysanthum and others. To arrive, Cattleya Trianae and C. Gigas.

Lager & Hurrell, SUMMIT, N. J. Orchid Growers and Importers.

Asparagus Sprengeri

From flats, \$1.00; 3-inch, \$4.00 per 100.

C. WINTERICH, Defiance, Ohio.

SHIPPING LABELS FOR

...Cut Flowers

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

MEMBER OF THE LEAF, POSTPAID, \$1.25.

American Florist Co.,

CHICAGO.

Julius Roehrs

RUTHERFORD, N. J.

Grower of

Palms, Bay Trees, Box Trees

—AND—

Decorative Stock.

FUCHSIAS...

Strong 2 1/2-inch plants, ready now. LITTLE BEAUTY, \$5.00 per 100. LORD BYRON, \$4.00 per 100.

S. S. SKIDELSKY,

708 North 16th St., PHILADELPHIA, PA.

100,000 Pansies, prize strain of Bugnot, Cassier and Trimardeau, fine large transplanted plants from frame 50c per 100; \$3.50 per 1000. Extra large plants, twice transplanted, coming in bud, \$1.00 per 100; \$10.00 per 1000. Asparagus Plumosus Nanus, from flats, ready to pot, \$2.00 per 100; \$18.00 per 1000. HILL TOP GREENHOUSES, 15-17 Gray Ave., 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.

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."

Vol. XXII.

CHICAGO AND NEW YORK, MARCH 12, 1904.

No. 823.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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Entered as Second-Class Mail Matter.

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SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

OFFICERS—PHILIP BREITMEYER, Detroit, Mich.,
president; J. J. BENEKE, St. Louis, Mo., vice-
president; WM. J. STEWART, 79 Milk St., Boston,
Mass., secretary; H. B. BEATTY, Oil City, Pa.,
treasurer. Twentieth annual meeting at St. Louis,
Mo., August, 1904.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Chicago, 1905. ALBERT
M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Philadelphia,
March, 1904. LEONARD BARRON, 136 Liberty St.,
New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November,
1904. FRED H. LEMON, Richmond, Ind., secretary.

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Detroit Convention Notes.

J. M. Gasser, who is in ill health, remained at Mt. Clemens where he will take the mineral baths for several weeks. Mrs. Gasser returned home Saturday.

The modest Frank Holznable of the Detroit Florists' Club developed unusual activity as a member of the reception committee. He had the glad hand for everyone.

The question box seemed to have been overlooked by everyone, even by the vigilant President Rackham.

Many of the visitors who were unacquainted with the topography of Mount Clemens looked in vain for the "mountain" but the only semblance of one to be seen was the immense mound of sandwiches at Breitmeyer's.

It was an unusual spectacle to behold nearly everyone who sat down to the banquet remain seated and evidently intensely interested in every part of the program for so long a time, fully six hours.

E. G. Hill's "phenomenal" speech was certainly the most eloquent and masterly of any ever delivered before by him on a like occasion.

C. W. Ward lingered in Detroit a few days and will visit Lafayette, Joliet and Chicago before his return east.

The daily papers gave over sixteen columns to the description of features of the exhibition, the business sessions, and other matters concerning carnations.

About five thousand persons (of the general public) visited the exhibition. Admission was free by tickets obtained for the asking of any member of the Detroit Florists' Club.

Messrs. Valentine, Dailedouze & Hill, the committee appointed to make an attempt to bring about an affiliation with the American Rose Society, held a preliminary meeting at the Hotel Cadillac Friday afternoon.

President Philip Breitmeyer, of the Society of American Florists, together with Secretary W. J. Stewart, Treasurer Peatty, Harry Altick and Theo. Wirth left Friday afternoon for St. Louis where the meeting of the S. A. F. executive committee took place.

The supply of humor usually provided by J. D. Carmody was missed but the memory of him was kept awake.

The big delegation expected from St. Louis was kept at home to prepare for the reception of the S. A. F. executive committee meeting.

As early as nine o'clock on the last evening of the exhibition every flower

had been appropriated by the public and despite the fact that three police officers tried in vain to prevent it. As sleepy as many of the carnations were they still found admirers.

The Michigan Cut Flower Exchange was the donor of the \$25 sweepstakes prize, which was inadvertently omitted from the list of prizes as printed in the last issue. Mention should also be made of the exhibit of R. Fisher, of Great Neck, L. I., who had two vases of well grown freesias, one a pure white named Purity and the other a creamy white named Buttercup.

J. S.

The Banquet.

A fitting finale to the carnation meeting was the banquet in Harmonie hall, at which nearly 300 persons were present. The large dining room in which the banquet was held was tastefully decorated with palms and wild smilax. The speakers' table, arranged across the further end of the room, near the stage, was adorned exclusively with La Detroit roses and smilax, while the other long tables were decorated lavishly with carnations. An orchestra played until the commencement of the speeches, which were alternated with acts by local vaudeville artists. President Robert Flowerday, of the local club, was toastmaster, and in that capacity was a complete success. Besides speakers to toasts, those who made short addresses were E. N. Peirce, Waltham, Mass.; Mrs. W. J. Vesey, Fort Wayne, Ind., and J. F. Sullivan, of Detroit. At the close of Mrs. Vesey's remarks, Philip Breitmeyer presented her with an immense bunch of La Detroit roses. Walter Mott sang and received much applause. J. D. Thompson presented to W. K. Partridge the Enchantress challenge cup, and James Hartshorne transferred the Lawson medal won by his firm to Fred Dorner, the actual raiser of Fiancee, the winning variety. The final resolutions were read and the festivities closed with the singing by the entire party of "America." It was then exactly 2 a. m.

The toasts given at the banquet, as stated in the last issue, were: "Our Ex-Presidents," W. N. Rudd; "Carnations, Roses and Chrysanthemums, Their Friends and Admirers," E. G. Hill; "The Dominion of Canada," Wm. Gammage; "Has It Ever Occurred to You?" Lewis Ullrich; "Society of American Florists," President Breitmeyer; "Flowers and the Sick," Dr. E. B. Smith; "Carnation

League," H. M. Altick; "The Carnation in the Past," Geo. A. Rackham.

Additional Convention Visitors.

Harry Byers, Dayton, O.; Joseph Wall, Greenfield, Mich.; P. Welch, Boston, Mass.; H. R. Carlton, Willoughby, O.; L. B. Crow, New York; S. A. Baur, Erie, Pa.; Chas. Gibson, Cleveland, O.; H. Jennings and F. Dix, London, Ont.; Mrs. Dunkley, Kalamazoo, Mich.; W. H. Watson, Lapeer, Mich.; Mr. and Mrs. J. M. Gasser, Cleveland; A. J. Guttman, New York; S. S. Skidelsky, Philadelphia; F. Burki, Pittsburg, Pa.; E. N. Kroninger, Allentown, Pa.; Wm. Jackson, Cincinnati, O.; L. E. Small, Tewksbury, Mass.; R. W. Clucas, New York; E. H. Cushman, Sylvania, O.

Trip to Mt. Clemens.

On Friday morning nearly two hundred visitors, accepting the invitation of John Breitmeyer's Sons to visit their establishment at Mt. Clemens, met at the Brush street depot and took a special train provided by the firm which reached the Bath city at 10:30 a. m. When the Breitmeyer place was reached the herculean task of serving a lunch to the immense crowd was begun. Wine of many varieties and plenty of everything was provided. After lunch a tour of the greenhouses was made. Their greatest interest centered upon the new rose La Detroit, and, notwithstanding the evidence everywhere of the propagator's knife and the most unfavorable of recent winter weather the popular novelty was in splendid condition which prompted many to leave their orders without further delay. In the large house recently erected were over a hundred thousand young plants awaiting the date of shipment and as many more in the sand rooting. When the time was

announced for the return trip Wm. Scott mounted a table and in behalf of the assembled guests thanked the firm and particularly Philip Breitmeyer for the unbounded hospitality extended the visitors.

Final Resolutions.

Wm. Scott, chairman of the committee on final resolutions, read the following at the banquet:

WHEREAS, There has just been brought to a close one of the most successful meetings in the history of the society in spite of snow blockades in many localities, making it impossible for many members to reach this meeting; it has been one of the best attended conventions since its organization; the business meetings of the society have been well attended; the essays have been interesting and instructive; the debates have been entertaining, and brought out many views that will redound to the future welfare of the society; the exhibition in quantity and quality of blooms surpasses any previous exhibit. Although through the delay in the arrival of the exhibits, the local committee was obliged to make the greatest possible effort to get them all in order, and the splendid system inaugurated by the committee overcame these unavoidable accidents, and all was in readiness at the appointed hour. The staging and system of judging and executive ability displayed by President Rackham deserve the highest commendation.

RESOLVED, That the thanks of the society be tendered to the local press for the prominent, cordial and interesting manner in which they have given space in their columns and reported the proceedings of the society.

RESOLVED, That with great appreciation we tender our thanks to his honor, Mayor Maybury, for his presence during the opening meeting, but more especially for his most eloquent address, and beautiful thoughts, and kind allusions to our calling, the most eloquent remarks we have ever heard addressed to a convention of florists.

RESOLVED, That it is with the deepest regret that we have missed at this convention a familiar face, that most good man, one who may truly be said to have been a loyal member and pillar of the society, and that we mourn the death of Henry Weher, of Oakland, Maryland. And, finally,

RESOLVED, That we tender to the local club our heartiest thanks for the hospitality and good will and hearty welcome tendered to us by every member of the local club of florists, assuring them one and all that we will not soon forget this most enjoyable convention.

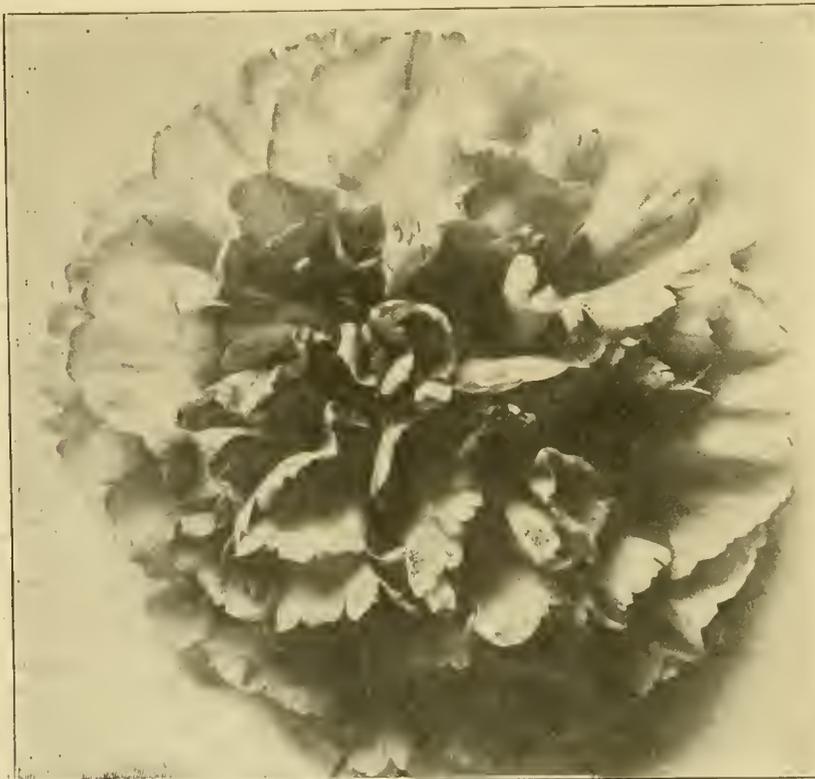
Has It Ever Occurred to You?

BY LEWIS ULLRICH, TIFFIN, O.

Has it ever occurred to you that the practical florist is, as a rule, a clever, whole-souled person, in whom the trait of good fellowship is a sort of a second nature? You will generally find him with a deep sense of honor and a sincere wish to do what is right between man and man. The real florist is easy to approach, has a welcome for everybody and a hearty handshake that carries a feeling of friendship with it, which shows that he has his heart in the right place. He may be a man not possessed of many of the higher attainments of life, but by nature he has an inborn love for the beautiful, and is possessed of a great amount of patience and perseverance, or he could not content himself to carry out the many details required in growing plants and flowers successfully. Florists are usually a contented class of people, and not grumblers, kickers or fault-finders, nor envious of the more successful one, but willing to give credit for what they know and what they have done. The real, practical florist is always willing and ready to give the less experienced the sought-for advice or information, and you will invariably find him a faithful husband, an indulgent father and a law-abiding citizen.

Has it ever occurred to you that, as nearly every flock has its black sheep, so the fraternity of florists has an occasional one; one who has not got the true sense of honor, that willingness to be accommodating and obliging; is a florist in name only; is selfish, conceited, arrogant, and, to use the slang phrase, is stuck on himself? Has it ever occurred to you that that man has no use for you, only so long as he sees profit in your acquaintance? Then he don't care how he meets you. He may mortify you with a snub to a civil question. Such a man is so filled with vinegar that the nobler qualities that go to make the man find no room in him. It is advisable to steer clear of such a character, for life is too short and the genial characters too plentiful to waste any time on such an individual.

Has it ever occurred to you how much good the Carnation Society has done for the ordinary florists? Many a one can thank these carnation meetings in a great measure for his success in growing carnations. He saw by the exhibits that others were doing much more than he and producing better flowers than he, and being desirous to do equally well, profited by their experience. With what he learned while in attendance at the meetings, information got from his brother florists, he went home determined to improve his condition, and did improve it. Has it ever occurred to you what the stay-at-home florist has missed by not belonging to this society? He who thinks he knows it all, that fellow who says, "They can't teach me anything." Such a man you will usually find an old fogey, a back number, his place of business generally dilapidated and disorderly and looking like an old junk shop, full of broken pots, empty boxes and dead plants standing around, tumbled down benches, muddy walks, his tools out of place; in fact, he has no place for anything, and when he wants a tool he must spend more time looking for it than is spent in using it. If he would get a move on himself and go away from home occasionally and attend these meetings, go and see how other florists do, he would find out that there



C. W. WARD'S IDEAL DARK PINK SEEDLING NO. 564.

(See article on "Carnations at Cottage Gardens," issue of Feb. 27, page 164)

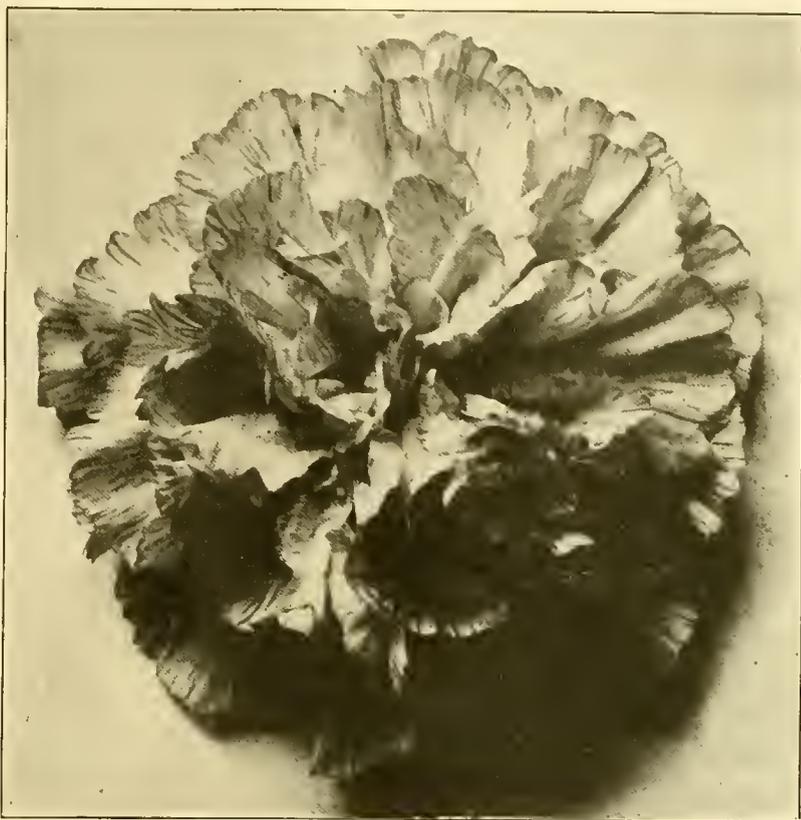
is a great deal for him to learn; he would find that to be prosperous he must get out of the rut in which he has plodded year after year. He will find out that he is a back number, and that he must get a hump on himself and profit by the experience of others, if he wishes to be progressive and get into the front rank with up-to-date florists.

Has it ever occurred to you that these meetings are to the go-ahead florists what the oasis is to the traveler in the Sahara desert? The traveler trudges on day after day through the sandy desert; he knows that by traveling a little longer he will finally reach a bright, green spot, where he can rest for a while in the shade of the green trees and quench his thirst, and then, strengthened and refreshed, proceed on his journey. So with the go-ahead florist; he goes on from day to day, busy with his business, faithfully attending to the wants thereof, that he may realize a good return for his labors. He, too, is looking forward to the carnation meetings and the conventions of the Society of American Florists as oases in life's journey, where he can rest from his labors for a few days, bask in the smiles and kindly greetings of his brother florists and, refreshed and happy to have been there, go to his home well repaid for the time spent and the expense incurred.

Has it ever occurred to you, young men of the society, that some day not very far distant, when the older men will have stepped down and out, when the Angel of Death will have knocked at their doors and they have gone to their reward in the great beyond, that you, young men, will have to take the place vacated by their demise? I would advise you to employ every moment of your time to improve yourselves; strive to become proficient in every branch of the work, from the wheeling of the soil up, through the various details of growing and producing good plants and flowers. Learn how to dispose of them at a profit. Adopt a good system of bookkeeping and be sure to learn how to be a good, prompt collector of bills, for that is the great finale of all your labors. And while at the conventions attend closely to the business meetings, be observant as to what is going on, take part in the business and the discussions and profit thereby, so that when you are called on to take your place in the management of the affairs of this great carnation society you will be prepared to do so.

Has it ever occurred to you that when a society undertakes to carry out the various details connected with a convention and the arrangement of the exhibits it has undertaken a big job, and the bulk of the work usually falls upon a few? From what I have observed and learned I think the American Carnation Society is under many and lasting obligations to George Rackham, the president of the society, and to Robert Flowerday, the president of the Detroit Florists' Club, and for the great bulk of the work to our whole-souled and our obliging friend, J. F. Sullivan, the secretary and manager of the exhibit.

It has undoubtedly occurred to you during your visit here that Detroit is an ideal place to hold a convention meeting. It undoubtedly has occurred to you that the members of the Detroit Florists' Club are of the true stripe, genial, hail fellows well met; that they have their hearts in the right place, and that they have met us as true florists, with a hearty handshake that, as I said before, carries with it that feeling of true friendship and hos-



C. W. WARD'S NEW CARNATION JUDGE HINSDALE.

(See article on "Carnations at Cottage Gardens," issue of Feb. 27, page 164.)

pitality. At their homes at all times you will invariably find their latchstring on the outside, a hearty welcome, and something substantial on the inside. To go into details and enumerate the good qualities of all the members of the Detroit Florist Club would take up more time than is allotted to me. And I cannot help but speak of another who is a fair sample of the caliber of the members; one who is a son of parents who were practical florists—yes, he is one of a family of florists; one whose name has gone before him; one who is fondly known from Maine to Florida, and from the Atlantic to the Pacific; a man whom you will always find the same genial and obliging gentleman; a man who has a kind word for every one, even for the most lowly employed in a greenhouse; a man whom Detroit surely is proud to claim as one of her citizens. It is he who is our standard-bearer as president of the Society of American Florists—our genial friend, Philip Breitmeyer.

Ladies and gentlemen, when we leave Detroit and each goes back to his home, we will leave with reluctance but filled with gratitude and thankfulness to the Detroit Florists' Club for its hospitality, and we go with the conviction that we have been bettered by having been here.

Exhibiting Carnations.

BY WILLIAM SCOTT, OF BUFFALO, N. Y.

Since the time that I was asked, or may be volunteered, to read a paper before this meeting, some change of the subject has been made and, as those changes were made without my consent, it gives me the privilege to wander a little from the text. If I can bring about by any thought or suggestion the increased usefulness of the American Carnation Society, the title of my remarks is of little consequence.

Our society was formed and exists not alone for the benefit of, or usefulness to, those who have new varieties to disseminate, but for every member who grows carnations. Whether large or small growers, they look to this society for its stamp of approval as a guide before investing in any new varieties. Don't think, you gentlemen who are so wonderfully improving every desirable attribute of the carnation, that the writer thinks for a moment that you are getting any more glory and profit out of the society than you deserve. You are not. Without you our society could not exist and the annual exhibition of the new varieties is the grand feature and attraction that brings members from long distances to attend the meetings.

I have nothing to criticize of what our society has done, nor its methods of accomplishment. The exhibition of and premiums given for standard varieties is a good feature, for it teaches growers that some one can do an old variety in fine shape, but it is to make acquaintance with new varieties that brings us together for these most enjoyable meetings, and that is by far the most important feature of our annual convention. The committee that is annually appointed to award certificates to these new varieties do their work, to my knowledge, most conscientiously and exercise all the care and caution that they can, but only in rare instances do they know anything of the new aspirants to fame, except by the few flowers that are on exhibition. They do not know how many poor flowers, were left at home. It's none of their business to learn whether the plant produced only seven such blooms during the season, or if it produced twenty-five. They are not supposed to know what quality of soil this variety was grown in, unless they happen to be acquainted with the locality and establishment of the raiser. Neither are they acquainted with the temperature that best suits any certain variety.

I will admit that these important points are freely imparted by the raiser to any prospective purchaser, and without doubt any and all those firms sending out new varieties would, and do, most gladly welcome any intending buyers to visit and see for themselves these varieties growing. With large investors in a new variety this is often done, but with the great army of florists this is impossible and they wait for

the report of the convention as to what rank a variety took as a prize winner and how many points it scored in the certificate class.

To repeat, with all the careful judgment that the committee brings to bear in scoring points, they have nothing but these few extra selected flowers to guide them, and although many a variety has been awarded a certificate that well deserved it, and its sterling good qualities have made it a bread winner in every section of the country, yet you all know that while this has been the case there have also been sent out with a certificate from this society a good many varieties that had but a short and ignoble career. Money gone into pockets that never deserved it. Still worse, a waste of hench room, time and labor. Granted that the raiser himself is often deceived. A variety may do well with him for three or four years and he honestly believes it is a splendid thing and he would not be patriotic to the trade if he did not let his brother florists participate in the benefits derived by growing his wonderful variety; then in almost every place except the soil and environment in which it was raised from a seedling and first showed its good qualities, it has turned out to be a miserable failure and a pecuniary loss to many a man who felt the loss.

We shall hear from Robert Craig as to his views on the early collapse of many most promising varieties; that is something entirely outside the province of my subject, but it has some bearing in this way, that if a dozen growers in different sections of the country were testing the new varieties before their dissemination this collapse might be discovered before the raiser had a chance to send them out. We know, and so do you all, of instances where a variety, after giving every promise, being shown at our exhibitions until it would have been in large demand, has been withdrawn and not one sent out simply because the owner discovered faults and failings in the variety and believed it would be a disappoint-

ment to those who bought it. This is most honest and honorable conduct and cannot be too highly admired and commended. The opportunity to make a few thousand dollars was sacrificed, but the reputation and confidence in the firm was greatly enriched.

We all remember, some fifteen years ago, that there were a half dozen or more firms in the country who thought it very necessary for the welfare of the chrysanthemum growers of the land that each should send out its set of new varieties. The set was twelve varieties. We also remember that if there was one real acquisition in each set, it was all we could hope for, and often more than we got. That prolific production died a natural death, not because the chrysanthemum became less popular, but the florists of the country got wiser and learned that no one firm can have the good fortune to raise twelve varieties of great merit in one year. If they had succeeded in producing one variety that surpassed in all desirable qualities any existing flower of its color, they had done well and it would have been more profitable to the average florist had he paid the specialist the price of the whole set for one plant of that real good variety and not have wasted money, time and space on the other long forgotten and useless eleven.

Nothing as absurd has yet taken place with the carnation, yet if you look through the list of new varieties offered this year it is a pretty long one and the man who wants to grow the best is greatly puzzled to know what to buy, and I think it is the special duty of this society to guide him in his choice to obtain the best in every class. I am not insinuating for a moment that the disseminators of those chrysanthemums, or of the present-day carnations, are practicing anything but a legitimate and honorable business. As long as they can find customers and a profitable sale for their new varieties, they are justified in advertising and sending them out. It is simply business, and human nature, and will continue till the men who grow to produce cut

flowers only realize that, great as the improvement of the carnation has been within the past fifteen years, we cannot expect that each succeeding year there are going to be a dozen varieties sent out that surpass all that have gone before.

To digress a moment. Heredity has as much to do with the improvement of flowers as it has in the improvement in the animal kingdom. There is, there must be, in nature a constant tendency upward and onward toward improvement. Plants and animals on the earth without man's interference are here by natural selection. Plants and animals that man has influenced, our economic and garden plants and our domestic animals, are here by artificial selection. But this improvement does not occur with every individual and perhaps with the case of florists' flowers not one in 10,000. You carnation specialists know that you may raise 10,000 seedlings, all from parents of great excellence. Every seedling has an equal chance, yet many will revert away back to a remote progenitor, a single-petaled dianthus. Ten per cent may be equal in size and color to their immediate parent and perhaps one in 1,000 may be superior in some quality to either parent, and different in another, and if you get one in 10,000 that surpasses the parents in all good qualities, you are lucky. You have advanced the flower slowly and at a cost of time and money, yet slightly you have lifted the flower upwards.

The advent of a wonderful flower, let it be the Lawson carnation or Catherine Mermet rose, is like the sudden appearance of genius among men. "Like begets like" is a trite old saying, but only partly true. There is nothing in the ancestry of Shakespeare, Burns, Napoleon or Lincoln to account for their inspiration and power of intellect. They towered over their ancestors as well as their descendants, as did that one little seed that produced that matchless flower, Mrs. Lawson. Why this is or what governs it we know nothing, but we know it seldom occurs.



GROUP OF SEEDLING CARNATIONS AS GROWN BY C. W. WARD, QUEENS, N. Y.

(See article on "Carnations at Cottage Gardens," issue of Feb. 27, page 164.)



BRIDESMAID ROSES IN THEIR FIRST YEAR AT J. A. BUDLONG & SON CO.'S.

Now I think I have said enough against the evil of too many new varieties being introduced that are not improvements over existing varieties, admitting at the same time that as long as purchasers can be found these raisers of new varieties are doing a legitimate business and they will continue to do so just as long as they find it profitable, and admitting also that under our necessary artificial culture of the carnation the best of varieties wear out, for propagation by cuttings is not raising a new individual, it is merely dividing and perpetuating the same old plant. The seedling is the birth of an individual and therefore we look to the man who is a specialist along these lines to give us new varieties that possess health and vigor, as well as the other attributes that make a desirable variety.

I am aware that several firms which had new varieties to send out have sent to a few growers in different parts of the country a dozen or twenty-five plants for them to test in their soil and climate, knowing that if the variety was a success with them that the word of these men as to the qualities of the variety, as well as the inspection by many growers who had an opportunity to see it growing, if favorable, would add largely to its sales. This plan is, in my opinion, just what should be done and practiced to a greater extent and with some recognized system.

To send a bunch of flowers to a meeting of some florists' club, as several firms so kindly sent beautiful flowers to our meeting in Buffalo two weeks ago, is a great treat and affords many men an opportunity to look upon these wonderful flowers who cannot possibly, from some cause or other, attend our national gathering. Don't think for a moment that because they have seen these flowers they will not want to attend these conventions; it will rather, I think, raise enthusiasm and make them anxious to look upon the wonderful display that we have before us today. Withal that is not enough and we learn nothing of the habit, productiveness, faults and failings of the variety that we cannot learn from the few beautiful, perfect flowers that are set before us.

I have often remarked to a brother florist who was dabbling in the seedling business (it is very fascinating), that if he had the good fortune to raise a seedling that proved, under his care, to possess size, color, stem, freedom and other good qualities and it sold well and was profitable, then he should keep on growing it and not trouble himself about sending it out. Keep it and make money from the flowers. The very fact that it did well from the original seedling plant to the time when you had a thousand plants is proof that this seedling of yours was suited with your soil and climate and care. Many florists have done this and I was strongly of the opinion a few years ago, when so many seedlings were offered, that the majority of florists would soon depend on their own seedlings. I think my memory is correct when I state that Daybreak, which marked an epoch in the history of carnation culture, quite as much as Lawson did, three or four years ago, was sold by the raisers for the enormous sum of \$300. It seems to me that if the firm that raised it had kept it for three or four years and grown an acre of it, they would have realized 100 times as much from the blooms as they did by selling it.

Now let me propose that this society select or designate ten or twelve florists in different parts of the country; naturally they would be in the neighborhood of our large cities or in localities where carnations were extensively grown. They should be men who are widely known to be good, careful cultivators, having the facilities as well as the skill to thoroughly test and demonstrate the value and merits of any variety put under their care. They should not be men or firms that are interested in the distribution of their own seedlings. That is evident, for human nature is still human nature and a man who had a scarlet variety which he was putting on the market would hardly feel that it was his duty to grow and boost some other fellow's scarlet variety. If he did he would be more saintly and unselfish than anyone who has lived for nearly 2,000 years.

We cannot make this compulsory, either with those who are to give these new varieties a trial in their houses or on the man who intends sending out his new varieties, but I believe there would be no difficulty in finding a good, capable man in every neighborhood glad to grow twenty-five plants of any variety sent to him. There would not be so many. Even supposing there were twenty new varieties offered next year and twenty-five plants of each, it would be only 500 plants. A comparatively small space would be required and surely the flowers cut from these plants would well pay for the bench room. As I believe establishments can be found most willing to give these new varieties a trial, so do I believe that every man who has a seedling he honestly believes in and the large sales of which he is anxious for, will be heartily glad to have it tested in several different sections of this broad land.

With all sincerity, I say that I know no men or firms who intentionally send out a poor variety of carnation. They are in love with their own offspring and if their offspring fails when abroad in the cold world,

they erred in their judgment, but meant well. Ten or twelve stations, or I may call them, trial grounds, distributed over the continent, including our neighbors and brethren of the Dominion, would give us many textures of soil as well as varied climatic conditions. I need not enter into that, for you all know in the wide expanse of latitude and longitude from the shores of the Gulf to the wheat fields of Manitoba and the rock ribbed coast of Maine to the mild and salubrious timber lands of Washington, there are lands of dark clouds for months, and others of almost continuous sun; states where the absence of rain makes irrigation necessary and localities where too much rain is feared.

I would have these men who are making these trials report to the secretary of the society by February 1 of each year. If a variety has not shown its good qualities by that time it has no place in the list of winter flowering carnations. On receipt of these reports the secretary of our society should publish them in the trade papers, or, if you think better, have them printed in circular form and mailed to every member of the A. C. S. in good standing and to non-members who applied for the report at \$2 per copy. The report from the men giving these new varieties a trial would, of course, tell us the quality of soil, temperature, what style of bench, and other information that would guide us to learn whether our conditions would suit it. The nearest trial ground to our home would naturally be the one we should look to for our most valuable information. Failures would doubtless be reported from some quarters, but if the variety was really worth our buying, it would be sure to have enough favorable reports to ensure its wide distribution. In addition to the report of the grower, a local committee might visit the establishment in December and give a much more valuable report from seeing the plants growing and the flowers they were producing, than is the report of a committee which only sees some selected flowers sent to them. Perhaps this would be the most valuable estimate of the merits of the varieties.

In conclusion, gentlemen, I think the object of this society is to help and benefit every member and what I propose would, I think, go far towards that end. There is, of course, detail to be worked out in the plan, but something along the lines I have endeavored to explain would I think be a blessing to the thousands of men and women who are striving to make an honest penny in the virtuous and gentle art of raising blossoms of the divine flower.

PEORIA, ILL.—James C. Murray is still confined to his bed by illness, from which he has been suffering since October, 1903.

BATAVIA, ILL.—Williams & Sons Company will soon commence the work of rebuilding their greenhouses at the corner of Main street and Batavia avenue. At present the houses all front on Batavia avenue and their length is down Main street. The new plan is to have them front on Main street and run in the other direction. The office building of the firm will also be rebuilt.



BRIDE ROSES IN THEIR SECOND YEAR AT J. A. BUDLONG & SON CO.'S.

WITH THE GROWERS

A Rhode Island Flower Factory.



Wm. White.

The question of profitability, as between vegetable forcing and flower forcing, is still open, considering the number of flower growers who are turning their attention to lettuce, cucumbers and tomatoes as side issues and, on the other side, the many vegetable forcers who are now devoting some of their best glass to the production of roses, carnations, chrysanthemums and lilies. Among the latter class is the extensive Budlong establishment at Auburn, near Providence, R. I., world-renowned for the production of wintergreens and the manufacture of pickles, and now for the past three years making itself an appreciable factor in the rose and carnation market of Boston and Providence.

The outfit consists, at present, of two houses, each 22x700 feet, filled with Bride and Bridesmaid roses; one house of equal dimensions filled in part with these roses and with Liberty and American Beauty; one house of Lawson carnations, 30x500 feet; one each of Prosperity and Genevieve Lord, each 20x300 feet; one of equal size filled with Boston Market and Gov. Wolcott, and a new double span house, 58x700 feet, one-half of which contains 20,000 White Cloud and a full bench of Lorna, and the other half, having been just finished, being devoted to young stock for the present, although intended ultimately for roses. This department, although but a small item in a business such as that of Budlong & Son, is a good-sized establishment in itself, as New England flowerhouses go, amounting to close to 120,000 square feet of ground covered, and there is no lack of ground or capital for its unlimited extension should results warrant. It is under the supervision of William White, formerly with Alex. Montgomery, John Montgomery and W. H. Elliott, and his rose-growing education is demonstrated in the quality of the roses as grown here, which have the genuine Waban swing in their every movement. All is grafted stock on solid beds built on a broken stone foundation. Two houses are in their second year. One house, planted last July, has flower canes in abundance from four to five feet tall. The carnations, although grown on a sort of rough-and-ready method as compared with the dainty precision characteristic of some modern places, are healthy and evidently producing a profitable output. W. F. Molloy, for many years salesman for the Waban conservatories, fills a similar position now for the Budlong establishment in the Boston market. See illustrations on preceding page.

A. Leuthy & Co., Roslindale, Mass.

The establishment of A. Leuthy & Company at Roslindale, Mass., of which views are given herewith, has been developed from unpretentious beginnings through hard work and close attention until at present its interests have become such that Mr. Leuthy has found it advisable to take in a partner in the person of David Lumsden, recently manager of the MacMulkin greenhouses at Jamaica plain. Mr. Lumsden, who comes of a family of three generations of gardeners and served an apprenticeship at Veitch's

in England, brings to the undertaking the requisite ambition and training and under the management of two such men as Mr. Leuthy and Mr. Lumsden a leading place among New England plant establishments is assured for the new firm.

Small ferns for table jardinières and similar uses are a leading specialty. The demand for mixed pans with cocos or kentia centers for the Boston market is very steady and the output of such standard varieties as *Pteris serrulata*, *P. serrulata nobilis*, *Wimsetti* and other crested forms, *P. albo-lineata* Mayii, *P. tremula*, *Adiantum cuneatum*, *A. O'Brienii*, *A. gracillimum*, *Cyrtomium falcatum*, *Selaginella Emmeliana* and *Aspidium tsusimensis* is very large. The late sluggishness in the palm business has led many growers to abandon the specialty and turn the other things but this firm has confidence in the future now that over-production is curtailed and will still make the palm-growing industry a prominent branch of their business.

Easter plants hold forth in several of the houses now. There is a very fine house of Japanese longiflorum lilies, one of genistas and one of azaleas which are bursting into color. Azaleas in the smaller sizes are not so well budded as in previous years but the medium and large sizes are very fine. The large, cool storage house is inadequate for present demands and another of equal area is to be added in the spring, with possibly some greenhouses also. A Kroeschell boiler is to be installed in place of an "Electric" heater which, although good in some respects, has proved very inconvenient when the boiler tubes required cleaning. One Kroeschell boiler already in the establishment has given satisfaction. Mr. Leuthy will make a trip to Europe in midsummer.

Two Long Island Erica Growers.

The establishment of Louis Dupuy at Whitestone has a well-grounded reputation among the New York city florists for heathers. A few years ago the varieties grown were limited mainly to *E. melanthera*, *hyemalis*, *persoluta alba* and *rosea*, *Wilmoreana* and a few *Cavendishiana*, but as their cultural requirements in this climate became better understood and their beauty came to be more widely recognized other varieties have been gradually added to the list until now many types are in regular cultivation,

Mr. Dupuy being at all times a pioneer in their introduction. To the majority of the retailers, however, the identity of the variety is of no consequence; all he is concerned about is that it sells, and sell it generally does under the alluring name of "genuine Scotch heather," regardless of whether it originated in the tropics or the antipodes.

Among the pretty heaths seen at Mr. Dupuy's this season, in addition to those above mentioned are *Erica hybrida*, sometimes known as *E. cylindrica*, with large, bright coral flowers; *mammosa intermedia* with pale purple downy flowers; *perspicua nana*, with bluish white tubular flowers and slender habit; *perspicua erecta*; *regerminans*; *mirabilis*; *Victoria*, large orange-red flowers; *ovata*, very large purplish red flowers; *cupressina*, with globular pink-tinted bells and foliage of the most beautiful green; *Sanderiana*; *Mediterranea*; *bruniades*, with pendulous pink flowers, both foliage and flowers peculiarly clothed with woolly hairs; and several of the handsome *ventricosa* varieties. Mr. Dupuy has determined to abandon the use of frames in erica growing, finding that it is more economical and reliable in the long run to give them room in the greenhouses in all their stages of growth.

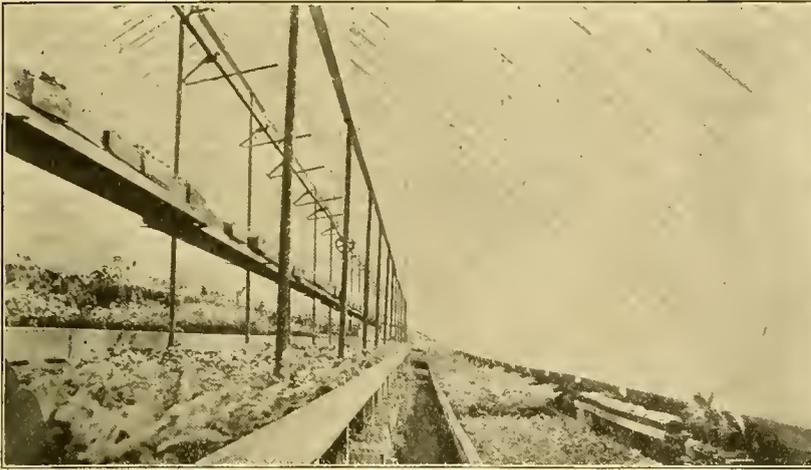
Hydrangeas, lilacs, lilies and daisies divide the honors here with the ericas and among the azaleas a noticeable one is *Dame Melanie*, dwarf in habit and with light rose, white bordered blossoms. *Acacia dealbata*, with silvery multi-pinnate foliage, is beautiful enough to soon win for itself a place among the standard Easter specialties.

At E. D. Darlington's, in Flushing, are also to be seen a large stock of heathers, many of the species and varieties above enumerated being under cultivation and still others under observation and experiment. Mr. Darlington still makes use of frames for the handling of young stock, the frames being heated by coils of pipe. A large quantity of the popular little *Azalea Hexe* is in readiness for Easter. *Acacia Lindenensis* may be mentioned as an addition to the Easter plants here and will bear watching. Interest centers in an expedient in lily culture adopted by Mr. Darlington. Having potted a large number of lilies in 5½-inch pots instead of 6-inch as should have been done, he is trying the experiment of slipping the plants, pots and all, into the larger sized pots, on the supposition that the moisture retained by the second receptacle will



HOUSE OF ARECAS AT A. LEUTHY & CO.'S, ROSLINDALE, MASS.

(Foreman Geo. Shields in path.)



FERN HOUSE AT A. LEUTHY & CO.'S, ROSLINDALE, MASS.

supply the needed stimulant to the pot-bound roots, thus saving the labor of repotting.

THE VIOLET.

Propagation of Violets.

If the stock for the coming season's planting is not now in the sand, I would advise putting it in about April 1, providing the grower wishes to plant in the house about June 1 from the sand bed. If he wishes to have them potted up before planting in beds, any time from March 1 would do, but the sooner the better. The first thing to do when starting to propagate violets is to have good, healthy stock. If you haven't this don't propagate, as the best is none too good. Have a sand bed, but not sand that has been used before, as new sand is cheap compared with old sand and, perhaps, failure. We use a table about two and one-half feet above the walk, with boards about four inches wide, with good drainage, and to prevent the sand from sifting through between the boards we take a little wet moss and cover the cracks. After you have the cracks all covered, if you wish to keep the cuttings in the sand from six to eight weeks, put about one and one-half inches of light soil in the bottom of the bench and then about three inches of good sand, not too fine, but sharp, on the top of the soil, making it about four and one-half inches in all, or three and one-half inches, packed down.

Now for the house. If it be a north side house the plants need not be syringed one half as much as in a south side house, as the sun doesn't get at it. Any one having a south side house must throw a spray over the cuttings at the early part of hot days for at least ten days, until the cuttings get started. But a north side house needn't have so much water, as it is naturally darker and cooler. Great care must be taken in reference to cuttings. The best success, as we have always found it, comes from good, strong, side arms running out from the plants. Take those off with a knife and have two or three eyes on each cutting, removing all the leaves except about three at the crown. See that they are put in a large tub of water for an hour to harden them, so when you do so they will be nice and crisp. After having them cut, put them in water again until you

get from 500 to 1,000, when they may be taken to the propagating bed. Be sure your sand is well packed and watered before starting. When ready to propagate take a two-inch strip, one inch thick and as long as the bed is wide, put it along the bed, and with a thick knife make a groove in the sand about one inch deep for the cuttings. Put in the cuttings about one inch apart in rows, and after the first row is filled put the stick within one-quarter inch of the cuttings, take a hammer and make the sand firm against the slips. Before removing the stick make another groove in the sand for the next row, and so on until finished. Water when there are 500 or so in the sand. Don't let them wither, as every time they wither they have a check, which means so much loss at the end of the season. For shading in propagation have wires running from the plate to the ridges about six feet apart and stretch on them muslin, which is convenient and not very expensive. When done at the end of the season remove the muslin and pack it away until needed again. After the very hot weather comes in the spring a shading of naphtha and white lead may be put on the glass on the outside. We always use two pounds of white lead to a gallon of naphtha, and apply it with a spray pump.

ALEX. A. LAUB.

THE CARNATION.

Dispensing With Steam Heat.

The severely cold weather, with its dark dreary days is now quickly passing away, and each sun brings us nearer to more sunshine and warmth, consequently artificial heat can be dispensed with gradually. On most bright days very little steam heat is necessary when once the sun rises far enough for its rays to strike the glass, and as soon as the temperature of the house gets above 60° the steam can be taken off entirely, though the best plan is to put on a small crack of ventilation the first thing in the morning, keeping a pipe of steam running until about 8 o'clock, by which time the heat from the sun will be strong enough to allow the steam to be all taken off. Then the temperature can be regulated by ventilation, which must be closely watched to guard against a weak, soft growth. At no season of the year will the plants grow more rapidly than at this time or absorb the nourishment as quickly, which also means that the blooms will mature very much sooner, and if allowed to develop in a close house of high temperature they will be without that fine and glossy texture and their keeping qualities will be greatly impaired. The general routine in the culture of the plants can be carried on the same as for the last month, excepting that they will take up more water each week. Also, an occasional syringing can be given them, choosing a bright day and doing it early enough to allow the plants to dry out before nightfall. Go over the plants every few days, and if you find any of the shoots outside the wire rings, place them inside before they get too large to handle without damaging them. It takes a very short time for a plant to get out of shape when it is growing as rapidly as they do at this time of the year. Disbudding should claim our close attention, and also keep the side shoots cleaned off lower down the stem than has been the rule where they have been needed for cuttings.

With a great many florists who retail their own products the carnation is more profitable in April, May, June and July than in the winter months, owing to the increase in the quantity of the cut and the call for special occasions during these months. They can also be sold at a lower figure and the demand is increasing every year, particularly regarding



LARGE PALM HOUSE AT A. LEUTHY & CO.'S, ROSLINDALE, MASS.

white. There is no other flower that can fill the place of the white carnation properly. It is also a fact that a great many more people are buying sprays for funerals every year, some because they can get more for their money, but a greater number because they are tired of the usual fixed design and consider a fine spray of Lawson or Lawson and white carnations much more artistic. It is wonderful what a pinnacle the Mrs. Lawson has gained in the flower trade. When at its best it commands a respect nearly as great as do high grade roses and no questions are asked or kicks presented about the price. In the hands of an artist as elaborate a spray can be made as with any flower. This is a great stride when we look back and consider that but a very few years ago fifty cents a dozen was considered a good price for carnations at retail. I well remember the time the controversy was going on in the columns of THE AMERICAN FLORIST regarding the qualities of the Carnations Lizzie McGowan and Mrs. Fisher. One of the parties to it claimed that he got fifty cents a dozen retail for his carnations. This was taken up the following week by another party, who considered him a lucky man, and warned him not to give anything like that away or he would have all the florists in the country flocking to his town. This shows the strides that have been made, and among the principal things to bring this about have been the fine productions like Mrs. Lawson and many others, which give greater satisfaction at double the old time price.

In getting back to our text, we have at this time to build up the plants in the way they should go to produce a continuous crop of blooms right up to the time to bring the new stock in. No more cuttings should be taken from the plants, but every shoot possible allowed to go on to make a flower. Particular care must also be taken to keep the plants free from green fly, for if this pest once gets the upper hand from now on it is a tough job to get the best of it, which also is the case with thrips. This pest is most easily taken care of by even temperature, frequent syringing and ample ventilation. Also, unless the beds have been mulched recently, they will be pretty well run down and should have a mulch put on. And as the principal object in view is to prolong the crop, do not use manure exclusively, but use two-thirds of good, fresh soil, and before putting it on give the beds a dressing of fine bone meal or wood ashes. All varieties do not take kindly to hot weather, and as soon as it gets at all warm they very soon play out, but among the best are Flora Hill, Gov. Wolcott, Mrs. Lawson, Mrs. Joost, Prosperity and Harlowarden. We do not think Enchantress will do very well in hot weather, as it commences to get light quickly now. White Cloud, Glacier, Mrs. Higinbotham, and most of the scarlet varieties also get played out. Among the red varieties, America and Mrs. Potter Palmer have stood the hot months best for us.

C. W. JOHNSON.

RIO VISTA, VA.—Mark T. Thompson, of this city, and Miss Ida Fredrick, of Richmond, were quietly married in Washington, D. C., February 22. Mr. Thompson is well known through the beautiful flowers raised on his farm. Miss Fredrick is popular in Richmond, and has a large circle of friends in both the city and county. Last fall Mr. Thompson built a handsome new home on his place.

European Seed Report.

Our sale season is slowly approaching its end. While in November, December and January most of the seed trade is going on in Germany by water or railway in big quantities, the following months are under the sign of the parcels post, or even the sample post. At this time several thousands of packets containing seeds leave daily the Erfurt and Quedlinburg postoffices. The seed trade for these towns has become an economical necessity, for at least a quarter of the grown-up inhabitants are occupied or connected with it. It affords winter work to a large number of women, picking and cleaning peas and beans and even flowers like stocks and asters. A large number of women are earning money by sewing bags, which they do at home. In summer they work in the gardens and fields. Even the children find work at all times of the year.

After this digression let us come back to the seed business, which everywhere seems to fall short of expectations. At the beginning of the season, in October and November, opinions mostly agreed that the auspices for a good and brisk trade were favorable, the crops not appearing too abundant and the demand being lively at this season; but later on this has changed somewhat, for the crop turned out larger than expected, and as soon as this fact was known prices went down and orders began to come in more slowly. Several articles, certain kinds of peas and most of the beans, are cleared out at good prices, while red carrots, lettuce and radish met with a rather slow sale and had to be sold at very low prices. Cabbage, fodder beets, cucumbers and onions seem to be sold out or will be sold at good prices, while spinach is still much asked for and the quantities at disposal do not suffice to meet the demand.

The flower seed business took its ordinary way, this branch of the trade is conducted only by some prominent houses possessing sufficient land and capital to keep a regular staff of experienced gardeners. Therefore the prices are not subject to so many variations as vegetable seeds, which have now become (or nearly so) a general object for speculation. Lots of people who sometimes do not possess the smallest notion of the culture buy and sell seeds, but of course they can very seldom guarantee the quality of their goods, which generally they have never seen on the fields. Seed houses buying from these unknown men have therefore the greatest inducement to take all precautions in order not to lose money. Up to the present date our winter has not been severe, indeed the thermometer very seldom showed a low stand. The usual temperature varied about the freezing point. There was much humidity, but no snow. The soil had to suffer under a continual moisture, damaging the cabbage plants to a certain extent. They have lost many leaves and do not look well. If the spring sets in with its usual frosts, it is likely lots of the biennial plants will suffer. The pitted beets and carrots want also somewhat colder weather for their perfect conservation.

The French seed growing districts have been favored, it appears, with a splendid winter until now, so all the biennial plants are in perfect condition and show a most promising appearance. Cabbage is looking splendid, also red kitchen beets. Carrots have passed the winter very well and are at disposal in sufficient quanti-

ties. Taken all in all the prospects of this year's autumn crops are not bad if the spring does not bring too severe and frequent night frosts. The autumn of 1903 in France left behind it a very bad souvenir for, especially in the seed growing districts, October and November were very wet and gloomy, instead of bright and dry as in Germany. The damp weather was unfavorable for the perfect drying and harvesting of many seeds. Leek and onions suffered especially, their germinative power becoming weaker through this exceeding humidity. That is also the reason why leek and onion seed show a somewhat grey shine this year. Apart from this the crop was normal, some articles, like lettuce and carrots, yielding even more than usual. I have heard of growers who harvested 300 kilos of lettuce where they could expect only 100 in normal years. Cucumber, cabbage, radish and other vegetables gave average crops. The trade in France goes on slowly. Business is not bad, but without the usual animation. Probably many lots of different seeds will have to be kept over for next year, as in Germany. But the season is not yet finished and if the demands of the retailers are numerous and important many stocks may be cleared out still. X.

Slaughter House Wastage.

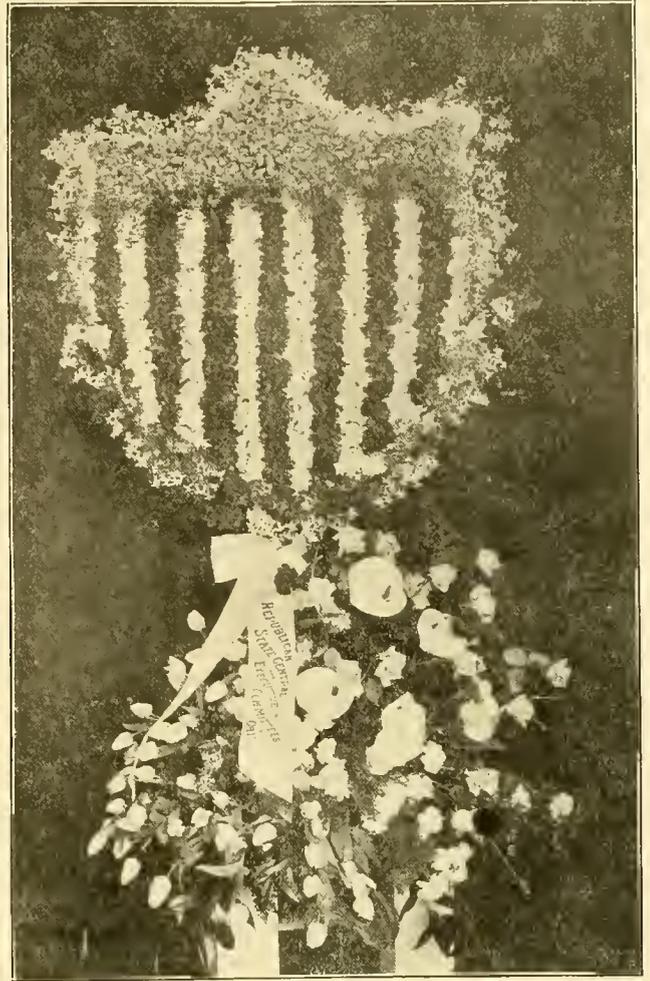
ED. AM. FLORIST:—Can well rotted slaughter-house wastage be used as a fertilizer, and if so how strongly, especially on carnations and roses? Can fresh animal blood be used for that purpose also? I have received many valuable lessons from your paper, for which accept my thanks. C. S.

Slaughter-house refuse, if thoroughly decomposed, can be used as a fertilizer with good results. The method of handling it will depend on its condition. It should be mixed with enough dry muck, or similar material, to take up all surplus moisture. If not thoroughly decomposed it should be mixed with muck and piled in a dry place for several months, working it over occasionally. This treatment will also answer for fresh blood. Prepared as described above, they can be used as top-dressings to the depth of an inch. L. R. T.

Water Supply.

ED. AM. FLORIST:—We are seeking information as to the most practical and economical way of conveying water from a 6-inch drilled well, 160 feet deep, in which the water rises to within 65 or 70 feet of the surface, to a tank in our greenhouses 200 feet distant. Top of tank is 25 feet higher than the surface of the well or about 95 feet higher than the water level at the well. We have a 1-inch underground supply pipe from well to tank but owing to a hollow in the land between the two points the tank end of the pipe is 35 feet below the top of the tank. We are now using a windmill which does the work very well, but is not sufficiently reliable. B. H.

For the purpose named a gasoline pumping engine will be found very satisfactory. It will, of course, have to be placed at the well and connected with a deep-well pump. There will be considerable friction when water is forced through a 1-inch pipe and if a large amount is needed it will be advisable to put in a large pipe between the pump and the tank. L. R. T.



FLORAL DESIGNS FOR THE HANNA OBSEQUIES AT CLEVELAND, OHIO.

(By Westman & Getz.)

THE RETAIL TRADE

Designs for Hanna Funeral.

Designs for the funeral of Marcus A. Hanna, made by Westman & Getz, of Cleveland, O., are shown in the accompanying illustrations. The larger shield, with the field and stripes worked out, was made of violets, red carnations and white narcissi, with a border of Roman hyacinths and maidenhair ferns, the base being of callas, tulips, roses and carnations, and the whole standing over five feet high. The other shield was in pink and white carnations, roses, narcissi and callas, and was four feet in height.

Chicago.

The regular meeting of the Florists' Club was held in Handel hall Wednesday evening. Besides other important business transacted was the appointing of several committees, as follows: On resolutions on the death of the late Walter Kreitling, Messrs. R. Johnstone, John Reardon and John Degnan; on recommendations for the revision of the constitution and by-laws of the club, Messrs. M. Barker, P. J. Hauswirth and J. S. Wilson. On recommendation of the trustees it was decided to take up larger and better quarters in Handel hall, a suitable hall having been rented. The change will be made after May 1. The preliminary

arrangements for the convention of the American Carnation Society, to be held here next year, will be in the hands of President W. N. Rudd and P. J. Hauswirth. At the next meeting of the club the question of inviting the American Rose Society to hold its next convention conjointly with the American Carnation Society here will be discussed.

The supply of all kinds of flowers with the possible exception of the longest stemmed Beauty roses is adequate to the current demand, which can not be characterized as unduly heavy. Locally the situation has been quiet but the shippers are doing a fair business. Roses are in fine form but are not commanding the price which their quality justifies. Carnations continue to come into the market in the best of quality and in large quantities. Very good grades were sold this week at a dollar and less. All bulbous stock is looking exceptionally fine but it is no easy task to move it. Callas and Harrisii look promising for Easter and there is plenty of this stock in the market which sells at \$1 and even less.

A botanical gardeu, in which Devries' new theory of the origin of the species is to be tested, will be established at the University of Chicago. Dr. John M. Coulter, head of the botanical department, will have the arrangements for the garden which will be laid out on the vacant block opposite the Ellis avenue dormitory and between Ellis hall and the Midway. Seeds for experimenting

has been received at the university from Devries, the botanist at Amsterdam, Holland. His theory is that new species result from the "sports" or "freaks of nature" in plant life.

The Chicago members of the craft who attended the Detroit convention last week express themselves as highly pleased with the event. It is now up to them to eclipse all previous records for the American Carnation Society and committees appointed for the purpose will soon cast about for a suitable hall for the next convention.

H. D. Kamp, proprietor of the Kenosha, Wis., Greenhouses, was a Chicago visitor the latter part of the week. Other visitors were J. A. Valentine, of the Park Floral Co., Denver, Col., and Lyman B. Crow, of Lord & Burnham, New York.

Theodore Wirth, of Hartford, Conn., one of the directors of the Society of American Florists, stopped a few days here, enroute to his home, after attending the meeting of the executive committee of his society at St. Louis.

Phil Hauswirth immediately after his return from the carnation convention at Detroit, left for St. Louis, where he attended the meeting of the executive committee of the Society of American Florists.

The houses of E. Asmus & Company, on the north side, are looking fine and a lot of fine flowering plants are coming for Easter. Cinerarias are to be seen there in tip-top condition.

James Hartshorne, of the Chicago Carnation Company went to Toronto, Thursday where he has an exhibit of his leading carnations at the Canadian Carnation exhibition.

W. J. Palmer, of Buffalo, stopped in the city a short while this week. On Tuesday afternoon he visited Hinsdale, taking in Bassett & Washburn's greenhouses and other plants.

Bassett & Washburn are well fixed for a heavy Easter demand of lilies. They have 7,000 plants of Japanese early longiflorums, which average from two to three feet in height.

The rooted cutting business has opened up wonderfully since the apparent breaking of Winter's backbone. George Reinberg is enjoying a heavy run in this line.

L. Coatsworth of the Bentley-Coatsworth Company, spent a few days in Chatham, Ont., before his return from the carnation convention at Detroit.

John Risch, of Weiland & Risch, was absent from his customary place in the store all week. He was doing time as a county juror.

Peter Reinberg sent a large vase of Chatenay roses to the last meeting of the Louisville Florists' Club.

W. E. Lynch, of E. H. Hunt's, spent the week in Massachusetts on business and pleasure bent.

A. L. Randall Company is handling an exclusive strain of white lilac.

New York.

Market conditions are about the same as last quoted, very little material change being seen in any line. Golden Spur and Paper White narcissi are not so plentiful as they have been and are selling somewhat better as a result. Violets are still a drug, going at any price obtainable, some as low as \$1.50 per 1,000. The general outlook for lilies for Easter appears poor. A number of the Long Island florists are complaining that the weather must be exceptionally good with lots of sunshine to bring them along in time.

C. W. Ward's phenomenal scarlet seedling, No. 303 of 1901, is to be disseminated in 1906. Although not up to its standard of quality at Detroit it received its preliminary certificate on a score of ninety-two points. One-half interest in it has been sold by Mr. Ward to the J. D. Thompson Carnation Company, the consideration therefor being given as \$10,000.

Charles Lustgarten became suddenly ill at his stand in the Cut Flower Exchange last Monday morning and medical attendance was hastily summoned causing a temporary sensation, but it proved to be nothing serious.

Frank H. Traendly and J. B. Nugent, Jr., the Twenty-eighth street delegates to the Detroit festivities, have returned with their mental and physical faculties unimpaired but waist girth noticeably augmented.

A visit to Victor S. Dorval's greenhouses last week showed some fine lilies and bulbous flowers. An orange tree here has at least 2,000 flowers and buds and will be fine for Easter.

The Florists' Club is making preparations for a large attendance and extensive exhibit of roses at the special rose meeting Monday evening, March 14.

The directors of the Cut Flower Exchange had their monthly meeting last Saturday, March 5. General business was transacted.

Moore, Hentz and Nash are handling some extra fine double stocks. They are very much in demand.

Charles Millang has added one more to his list of employes, Wm. Starke.

Philadelphia.

At a meeting of the creditors of Robert Craig & Son, held last Wednesday afternoon, at the office of the firm, it was unanimously agreed to continue the place as a going concern, under the assigneeship of John Burton. In an address Mr. Craig made to the creditors, he showed that it was a combination of circumstances, caused mainly by the purchase of a large adjoining block of ground, which had been occupied by him for a long time, but which was finally sold to close an estate. This he felt obliged to purchase, particularly as it went at about one-third less than its value, under the hammer. He erected large greenhouses on this to give himself needed room, as well as to help him carry it. Then he had a long sickness, succeeded by a damaging hailstorm. Finally he found the weight of carrying the added charges too much for his capital, and he placed himself in the hands of his creditors, as he felt sure if given time he could pay all his debts dollar for dollar. The statement to the creditors showed a balance of over \$5,000 in their favor if the assets were realized on and not sold under the hammer. Mr. Burton stated that he felt sure that the place in the excellent condition in which it was could be conducted in such a way as to realize a good profit for the creditors, and as this seemed to be the general consensus of opinion, the motion to continue the business under the assignee was unanimous.

The main topic now is Easter, and all are looking forward to a good trade. The growers are for the most part pushing things, as the long continued cold weather of the winter and the dull, cloudy spell of the past few weeks has been very hard on them. House after house of lilies is seen, which at this writing, March 8, are just showing buds so that they can be counted, but it is thought they will readily make good in the three weeks yet intervening. Much of the hulbous stock is doubtful, as it has been frozen solid almost since the day it was put outside, and some of the hyacinths have made scarcely any roots at all. The pot man, however, is benefited, as in getting them out most of the pots are found broken or are cracked and smashed in prying them apart. Business in the stores is quiet, although some of the decorators are busy, as many of the large stores are having quite elaborate openings. The department stores are moving plants in fair quantities, their fifty-cent sizes of rubbers and palms appearing to find plenty of buyers. The ordinary cut-flower store cannot sell this stock except in a limited way, but when seen on the bargain table and marked half price they seem to look particularly beautiful.

Wm. Tricker, late of Dreer's nursery, has accepted the charge of Percival Roberts' place near this city. K.

Baltimore.

The winter seems to have broken, at least we have had one day of copious downpour. The frost is coming out of the ground, the water courses are all out of their banks, and there is devastation and ruin all around. There never was frost so deep, and the abnormal and constant cold has destroyed much in the way of vegetation generally regarded as hardy. Evergreens which have stood

for years are sere and brown, and by the time we can count our losses in May we will have to change our estimate as to the suitableness for planting of many varieties. Deodars which have endured for about thirty years are badly scorched; the Mahonia Enonymus, and other flat-leaved sorts usually hardy, are dead to the snow-line; and roses killed to the ground. To-day is a type of spring, the sun clear and the air bracing, and for the first time for months the market men are out and their stalls are bright with color and fragrant with the perfume of flowers. Outside business as yet is, however, rather dull. For the last week for cut flowers there has been a moderate demand, and pretty much all the stock offering was worked off by its close, sometimes by liberal concessions in prices. Some outside contributions to this market added to the difficulties of the situation—notably shipments from New Jersey of several thousand valleys, of very good quality, which it seemed hard to move at anything like reasonable profit to the growers.

Much interest is excited by the new roses of John Cook, advertised in the AMERICAN FLORIST, and they are being critically examined. Cardinal is a stout grower with long stems and leathery foliage, the color a bright crimson, the perfume sweet but delicate. Enchantress does not make such stems but blooms freely, the color being a bright soft pink. Gude Brothers, of Washington, D. C., write that "Cardinal is in a class all to itself, being superior in form and habit to anything we have yet seen, and Enchantress will be a money-maker, judging from its profuse blooming quality, as we have seen it several times in mid-winter;" and Benj. Durfee, of the American Rose Company, says "the roses are simply grand." This seems the general verdict of those who have seen them.

There have been one or two dinners, a few quiet weddings, but the round of smaller festivities, which ordinarily occur in Lent following the big functions of the earlier season, are missing this year, as a consequence of the economies due to the losses by the great fire. There have been a few funerals where large quantities of flowers were used, notably that of Edward F. Abell, the head of the Baltimore Sun, where there was a great display of the finest specimens of American Beauty roses, lilies, valley, orchids, etc.

Much sympathy is felt here with Robert Craig & Son in their business troubles and hope is expressed that they will come happily through them. Both are well known here, and the former, besides his business relations, has often been present at our shows, meetings, etc., and made a most agreeable impression by his genial presence and charming gift as an after-dinner speaker.

J. H. Brummel, one of our oldest gardeners, and the most thorough practical botanist in this community, who was badly injured several months ago by a trolley car running over the wagon he was driving, is now much improved and able to go about, though unable still to put on his coat.

Wm. J. Halliday, who sold the lease of his Charles street premises, has secured a neat and convenient store at 915 Madison avenue, a promising thoroughfare for the florists' trade, reaching a good residential section.

Though no tree has moved a bud, no blade of grass shot forth, that one never-failing sign of spring, the Dutch bulb man, is here, but whoever thinks there is

any verdancy about him makes a mistake indeed.

Not a member of the trade in Baltimore went to the Detroit carnation meeting.
S. B.

Washington, D. C.

All things considered, there is no reason to complain of trade conditions. The prices on several stocks have dropped from what they were a few weeks ago, but there is compensation in the fact that there are more buyers. The fancy carnations have taken a tumble. Enchantress, which has been selling for \$3 per dozen, is now down to \$1.50. Good Lawsons bring \$1 per dozen, and the common varieties 50 to 75 cents per dozen. I have recently noticed in a local store, good stock of the light pink carnation, Alpine Glow. It is a good flower on a long-stiff stem, and may have a future. Violets are plentiful, selling at 50 to 75 cents per bunch. The prices on bulbous stock have degenerated to a slaughter. Both growers and retailers are looking forward to Easter, the former in the hope of a general clean-up of available stock; the latter figuring as to how much will be available in the local market. There should be a good supply of lilies by that time, as they are now on the market in fair quantities.

The Centre Market florists seem to be doing a good business since milder weather has come. R. Bowdler, Harry Robey and the American Rose Company and others have good stocks and catch a lot of transient trade. The versatility of the Centre Market people is wonderful. They can furnish customers a great collection of the flora and fauna of this region. I will not be surprised to yet see the ground hog on sale there as a reliable weather forecaster.

P. H. Meehan, who for several years has been general foreman and rose grower at Fred. H. Kramer's range, has resigned the position to accept a similar one with the Joy & Son Company of Nashville, Tenn. The good wishes of a large number of fellow craftsmen whereabouts, will follow him. The vacancy at Kramer's will be filled by Philip Buckingham, late with A. Gude & Brother.

Mayberry & Hoover recently furnished a fine decoration for an opening at one of the leading department stores. They used 500 palms and a large number of azaleas, lilies, lilacs, rhododendrons, spiræas and other stock. It was tastefully arranged and creditable to the enterprising firm of decorators.

O. A. C. Oehmler, manager of F. H. Kramer's F. street store, has in the three months since the store was opened, worked up a good trade. There is always "somethin' doin'" about Kramer's places of business.

Alex B. Garden is cutting a fine crop of Bride, Bridesmaid, Ivory and Golden Gate roses. He is also sending in fine specimens of lilacs, rhododendrons and spiræas and has a lot of wisterias that will be in for Easter.

Many beautiful designs were noticed at the funeral of the late Wm. Stewart Daniels, Washington correspondent for the St. Louis Republic, which took place Tuesday, March 2, at his late residence, Brookland, D. C.

Tom Wade has severed his connection with Z. D. Blackstone's store and is now on the road for McHutchison & Company of New York.

James Watt, the genial grower at the executive mansion conservatories, has a fine crop of American Beauty and Queen of Edgely roses.

Harry L. Rowe, who has for some time been foreman at J. R. Freeman's Brightwood avenue range, has resigned.

John Brown, who has scored a success in his carnation venture, will at once erect another house 15x100 feet.

Jas. Marty is now decorator at Blackstone's and seems to be filling the bill.
S. E.

Cleveland.

The recent poor business does not seem to have had a very depressing effect on some of the growers here, to judge from several extensive building operations in progress and those in contemplation. Adam Graham & Son are erecting a \$2,600 barn and stable on their Euclid avenue place. Herman Hart has completed a \$2,000 boiler shed. The boiler is installed and everything is in readiness to commence operations on a new range of five houses to be devoted to rose and carnation growing. James Eadie is likewise getting material ready for the construction of a range on his new site in East Cleveland. Seven houses will be built to begin with. His present range on St. Clair street will be gradually removed to the new place.

Since the mild weather set in we no longer hear the vigorous cries of "Bring her along," "Soop her up," "Give her legs," and so forth, from the curlers. The "bonspiels" are all over. The braw Scot cannot claim a monopoly of curling here any longer. Germans, Irish and Hebrews have become ardent lovers of the game and know how to "take the inrig" as well as the canny Scot.

The market conditions have improved slightly over last week and all grades are moving a little better, but it lacks the vim of former seasons. First-class roses are not over plentiful. There are too many seconds and thirds. Carnations are fine and the supply is sufficient to meet the demand.

John Murchie & Son, Sharon, Pa.; C. H. Roney, Jamestown, N. Y., and John Walker, of Youngstown, O., were visitors on their way back from the carnation convention.

W. F. Griffin has taken charge of the cut flower department in the May Company store. He still retains his retail store on Euclid avenue.

Robert Kegg has gone to Mount Clemens, Mich., to take a course of hot baths.
Echo.

Pittsburg.

There is little or no improvement over last week's business. Rainfalls are of daily occurrence and this undoubtedly has been an impediment to business lately. Stock of all kinds and grades is plentiful especially in Bride and Bridesmaid roses. American Beauty, Liberty and Meteor roses are very scarce. Carnations are coming in in quantities that predict a glut. Yellow narcissi too are moving very slowly. Lilies move rapidly and tulips seem to meet with even demand. Lily of the valley is plentiful as are lilacs, sweet peas and violets. Greens are scarce.

The recent flood made it very inconvenient for the growers along the line of the Pittsburg & Western Railroad. The Pittsburg Rose and Carnation Company sends its stock to the city by wagon, owing to the washouts along the road. It is necessary for their wagon to leave the houses at 2 a. m. in order to reach the city by 7 a. m. Other growers along the same road have combined and take their turns in collecting and sending a

wagon to the city to deliver their consignments.

All the florists of this section who visited the Detroit convention have returned. They speak in high terms of the many fine carnations exhibited and of the delightful entertainment accorded them. Those who visited Detroit were Ed. Blind, B. Elliott, F. Burki, Charles Crall and J. L. Wyland and son. It is a great pleasure to Pittsburg florists to know the new carnation, Fred. Burki, was one of the attractive features of the show.

Peter J. Deemas will shortly file an application before the proper authorities at Athens, Greece, and at Washington, D. C., for the appointment as vice consul for western Pennsylvania representing Greece. Mr. Deemas is well qualified for the position.

The flood of last Thursday was not so destructive as the one in January, nor was it as high, yet it was sufficient to visit the cellars of L. I. Neff, Mrs. E. Williams and Blind & Geddes.

The outlook for Easter is bright, and the preparations of the local growers indicate that lots of blooming plants and a great quantity of bulbous stock is going to be sold.

Blind Brothers are making daily cuts of special Bride and Bridesmaid roses, also Harrisii lilies. All of their bulbous stock is just right for Easter cutting.

S. A. Anderson, of Buffalo, N. Y., came to Pittsburg on March 5 to attend the annual dinner of the Duquesne Canoe Club.

Lloyd Swarthout, of Washington, Pa., is shipping some fine Bride and Bridesmaid roses to this market.
E. L. M.

New Bedford, Mass.

Business has improved very much since the middle of February. There has been a great demand for funeral flowers, and all kinds of flowers are selling well. As is well known, about February 15 is the annual awakening of all vegetable life. The sap begins to circulate, the buds begin to swell and everything begins to be alive. So it seems to be this year with the flower business. Buyers were hibernating through the extreme cold weather, but are now awake and alive and money is circulating quite freely our way.

The New Bedford Horticultural Society held its regular monthly meeting on March 5. Six new members were admitted. It was voted to hold an exhibition of flowers and plants in September. A paper was read by Thomas White, of Fairhaven, on wayside trees, followed by a discussion on the same.

E. S. Haskell is fitting up a fine store for the sale of flowers and plants, birds and gold fish. It will no doubt be the finest store of the kind in town.

A. B. H.

Davenport, Ia.

A large number of florists of Davenport, Rock Island and Moline met March 4 at Odd Fellows' hall and organized the Tri-City Florists' society. C. Keur, a bulb grower of Holland, was present and addressed the meeting on the subject of "Florists' Societies in Europe and Their Benefits." Mr. Keur was also elected an honorary member of the new society. Officers were elected as follows:

President—John T. Temple, Davenport.
Vice-President—John Stapp, Rock Island.
Secretary—H. Meyer, Rock Island.
Treasurer—O. Arp, Davenport.
Corresponding Secretary—Leo Ewoldt, Davenport.

Board of Managers—Julius Staack, of Moline; H. Gaethje, of Rock Island, and Otto Klingbiel, of Davenport.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

Greenhouse Heating.

ED. AM. FLORIST:—How many square
feet of glass will an ordinary hot water
boiler heat? Are 2-inch wrought iron
pipes preferable to 4-inch pipes?

A SUBSCRIBER.

The question is certainly very indefinite,
as greenhouse boilers are made in sizes
that will heat all the way from 300
square feet of glass to 10,000 or more.
As a rule the manufacturers give the
different sizes of their boilers ratings
according to the number of square feet of
radiating surface they will supply. If
this can be ascertained for a given boiler,
it will be safe to reckon that it will heat
from two to four times as much glass as
the radiating surface for which it is rated.
For houses less than 300 feet long,
2-inch pipe answers very well and is to be
preferred to 4-inch.

L. R. T.

Jamin vs. Jamain.

ED. AM. FLORIST:—Under the head of
"Notes and Comments," page 5, January
30 issue, in noting and commenting upon
what had appeared in your eastern con-
temporary a short time before, this ques-
tion was asked: "Should not the original
name of American Beauty be Mme. Ferdin-
and Jamin and not Jamain? Some
authorities so give it." Said contemporary
quotes authorities giving "Jamain"
as correct. Since this appeared I have
looked into the catalogue of Ketten
Freres, Luxembourg, and it is there
given Mme. Ferd. Jamin (Ledechaux,
'76), where over 1,700 roses are cata-
logued. And in H. B. Ellwanger's book
on the rose it is therein spelled Mme.
Ferd. Jamin (Ledechaux, '76), both of
which are given as synonyms of Ameri-
can Beauty. The editor of said publica-
tion must admit that both are very high
authorities and furnish sufficient evidence
for asking the question. No harm is done
if accuracy is established.

EDWIN LONSDALE.

Catalogues Received.

William Toole, Baraboo, Wis., pan-
sies; Holmes Seed Company, Harrisburg,
Pa., seeds; St. Louis Seed Company, St.
Louis, Mo., seeds; W. Atlee Burpee &
Co., Philadelphia, Pa., seeds; H. M.
Walsh, Woods Hole, Mass., roses; L. L.
May & Company, St. Paul, Minn.,
seeds; J. G. Harrison & Sons, Berlin, Md.,
nursery stock; Wood, Stubbs & Com-
pany, Louisville, Ky., seeds; The Geo. H.
Mellen Company, Springfield, O., plants,
seeds, bulbs, etc.; H. Zipp & Company,

Lisse, Holland, bulbs, plants, etc.; Amzi
Godden Company, Birmingham, Ala.,
seeds; Samuel Dobie & Son, Chester,
Eng., seeds; A. T. Cook, Hyde Park, N.
Y., seeds; The Bay State Nurseries, North
Abington, Mass., nursery stock; C. Hum-
feld, Clay Center, Kan., plants; D. M.
Andrews, Boulder, Col., rare seeds; Rich-
ard Vincent, Jr., & Son, White Marsh,
Md., chrysanthemums; E. Asmus & Com-
pany, Chicago, plants and cut flowers;
The Conard & Jones Company, West
Grove, Pa., plants, seeds, bulbs, etc.; J.
Lambert & Son, Trier, Germany, seeds
and plants; Fleischman Floral Company,
Chicago, cut flowers and plants; Bald-
win's Fruit Plant Farms, Bridgman,
Mich., fruit plants; J. Cheal & Sons,
Crawley, Sussex, Eng., dahlias; Little &
Ballantyne, Carlyle, Eng., trees, shrubs,
etc.; Jas. Cocker & Sons, Aberdeen, Eng.,
nursery stock; E. F. Winterson Company,
Chicago, flowers, seeds, wire designs,
etc.; Henry Saxton Adams, Jamaica
Plain, Mass., seeds, bulbs, plants, etc.;
Spielman Brothers, Adrian, Mich., nur-
sery stock; Little Rock Nursery Com-
pany, Little Rock, Ark., strawberry
plants; Western Nursery, Greenwood,
Mo., nursery stock; Crozy Aine Fils &
Cie, Lyons, France, plants; Schlegel &
Fottler Company, Boston, Mass., seeds,
bulbs and plants; Peter Henderson &
Company, New York, seeds, plants, tools,
etc.; Waldo Rohnert, Gilroy, Cal., seeds;
Mark T. Thompson, Rio Vista, Va.,
strawberry and other plants.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 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 in green-
houses; 7 years' experience. Address
R, care American Florist.

Situation Wanted—By first-class rose grower,
to take full charge of section; must be around
Chicago. T Z, care American Florist.

Situation Wanted—By a single, sober man,
German, as an all-around florist. Carnations,
roses and general stock. Address
26, Oceana, Virginia.

Situation Wanted—By gardener and florist on
private place or institution. 22 years' practical
experience. Married. Address
P G, care American Florist.

Situation Wanted—By young married man,
English, as all-around florist or gardener. Com-
mercial or private place. Massachusetts preferred.
FLORIST, Wakefield P. O., Mass.

Situation Wanted—By an all-around experi-
enced florist and grower. Able to take charge of
place or section with large grower. 15 years'
experience. Best of references. Address
H H, care American Florist.

Situation Wanted—By an up-to-date salesman
and designer. Will be at liberty April 1st. Good
references. Extreme west preferred. State salary
and particulars. Address
No. 10, care American Florist.

Situation Wanted—By gardener and florist.
Competent to grow roses, carnations, mums and
all greenhouse stock. Also vegetables under
glass. Address
Schlegel & Fottler, 22 S. Market St., Boston, Mass.

Situation Wanted—In seed trade as manager or
otherwise, Canada or U. S. Steady, capable;
experienced in bulbs, plants and seed; catalogue
advertising and descriptive writer; middle-aged,
married. Address
2 Oakley Villa, Maybury Road, Woking, Eng.

Situation Wanted—As working foreman or
manager by expert grower. Competent to take
full charge of an up-to-date place. 20 years'
experience. German, married. State full particu-
lars. D B, care American Florist.

Situation Wanted—By gardener and florist.
Understands roses, carnations, chrysanthemums,
violets, palms, ferns, bedding stock and general
horticultural matters, vegetables outdoors or under
glass, hot house fruits, vines, peaches, etc. Wants
position as gardener of gentleman's place or as
florist in a horticultural establishment. 25 years'
experience and 7 years in this country. 47 years'
of age. First-class reference from both countries.
Private place preferred. Address
E S, care American Florist.

Situation Wanted—By florist and gardener, 30,
single, German. Over 10 years in this country.
First-class grower of all kinds of plants and cut
flowers. Carnations a specialty. A good propa-
gator. Also understand the culture of vegetables
under glass and out-doors, general management
of country estate. Would like a position on pri-
vate place or with an up-to-date commercial
place. Able to take charge. Good references as
to character and ability. State wages and particu-
lars. Address
INDUSTRIOUS, care American Florist.

Help Wanted—At once a good grower.
HELLER BROS., New Castle, Ind.

Help Wanted—Clerk in seed store. Must have
good knowledge of gardener's trade.
J. A. EVERITT, Indianapolis, Ind.

Help Wanted—All-around man to assist in
greenhouse. Must be a florist and a hustler.
State wages and reference.
FRANK SAHAN, Red Oak, Ia.

Help Wanted—A bright young lady for a
Chicago retail store. Must have a general experi-
ence in floral store and best of references.
B K, care American Florist.

Help Wanted—Grower of vegetables under
glass and outdoors wanted. Near Chicago. Single
man preferred. Address
No. 101, care American Florist.

Help Wanted—Young man for general green-
house work. State experience and wages wanted
without board. Address
GEO. BISCHOFF, Ann Arbor, Mich.

Help Wanted—Two young men as assistants
to greenhouse work. Wages, \$9.00 per week.
Address with references and particulars.
J. A. PETERSON, McHenry Ave., Cincinnati, O.

Help Wanted—A good, steady and industrious
man for rose and carnation growing, on small
place, where good flowers are wanted. State
wages expected. Address
Box 116, Lake Forest, Ill.

Help Wanted—Temperate, reliable man; good
grower of roses, carnations, mums and general
greenhouse stock. Capable of taking charge of
growing in 10,000 feet of glass. \$35.00 and board.
B. B. BLAIR, Charlevoix, Mich.

Help Wanted—Good sober, steady and reliable
man to grow a general line of stock. Capable of
taking charge. Steady position. State wages
expected with board and room. Address
BERNARD FLORAL CO., Mansfield, O.

Help Wanted—Assistant florist for general
greenhouse and lawn work. 10,000 feet of glass.
\$35.00 per month with board and room. Single
man. Must be sober and have good references.
CHIEF GARDENER, Nat. Military Home,
Leavenworth, Kans.

Help Wanted—Competent man for first assist-
ant. Must understand roses and general green-
house stock. Private place. wages \$45.00 per
month. Address
H. A. DEAL, P. O. Box 362,
Fernaldt, Rhinebeck-on-Hudson.

Help Wanted—A young man to take care of two
small conservatories and who understands cut
flower work in all branches pertaining to a first-
class flower store. State age, salary expected and
give references.
FRED. C. WEBER,
4326 Olive St., St. Louis, Mo.

Help Wanted—A reliable florist to take full
charge of 15,000 feet of glass and capable of
growing a general stock of first-class cut flowers
and plants for retail trade. Must be a sober,
honest and a good workman. Address
FRED J. KING, 220 Madison St., Ottawa, Ill.

Help Wanted—A good plain gardener for a
country gentleman's place in Tennessee. A man
whose wife could attend to cooking and other
household duties preferred. A good place and
pleasant home to any responsible parties. Apply
in full to JOHN H. LORT, Bear Springs, Tenn.

Help Wanted—An active, experienced, single
young man, with some capital to buy interest in
well established plant, 7000 feet of glass, 6 houses,
store connected, 4 acres land, near depot. Good
local and shipping trade. No greenhouse of any
consequence nearer than 300 miles. Splendid
opening for right party. Address
FAR WEST, care American Florist.

Help Wanted—Experienced man to work and take charge of small greenhouse and nursery, Pocatello, Idaho. Salary or commission. Can purchase if suited. The only one in south-eastern Idaho city of about 7,000; also good shipping facilities for Idaho, Wyoming and Utah. The business now closed account of death. References required. Good opening for a worker; state salary or commission expected. Address
THE CHURCH & WHITE Co., Pocatello, Idaho.

Help Wanted—Rose grower to take full charge of 2000 Beauty and 4000 Teas for cut blooms on a strictly up-to-date and modern establishment. Houses are almost new. Please state amount of experience had and give names of a few employers, also wages expected which will be liberal to a first-class man. No novice or run-about need apply. This is a steady position for a real rose grower. Address
GROWER,
care C. A. Kuehn, 1122 Pine St., St. Louis, Mo.

Wanted—To rent a place suitable to grow first-class roses, near Chicago. Address
O P, care American Florist.

Wanted—To lease with option of buying a place in Illinois or Missouri, with from 3,000 to 7,000 sq. feet of glass. Address
Box 116, Waverly, Ill.

Wanted—To rent greenhouses from 10,000 to 20,000 feet of glass. Chicago or vicinity. Give particulars. Address
M Z O, care American Florist.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address
BAUR FLORAL Co., Erie, Pa.

Wanted—Two young men want to buy a first-class florist business by April 1, from 12,000 to 15,000 feet of glass. We are able to pay \$2,000 down. Give particulars. Address
AUGUST ALBERT, 191 Concord St., St. Paul, Minn.

For Sale—At a bargain 4 greenhouses 20x100 feet, barn, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health.
J D, care American Florist.

For Rent—Old established greenhouses with good house, barn, all utensils, tools, etc. For particulars address
C E, care American Florist.

For Sale—Over 12,000 feet of glass, all heated by steam, in first-class condition. Will sell at reasonable price. Terms to suit. Address
GLASS, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale—New greenhouses, 11,000 feet glass, complete in every particular; established 6 years. Splendid retail trade; city of 45,000 inhabitants. We are the only florists here. Address
L. O'SULLIVAN, Superior, Wis.

For Sale—At a bargain. A nice home located 5 blocks from postoffice; greenhouses well stocked with up-to-date retail stock; business established for 20 years; good mail and express business.
C. H. BAOLEY, Abilene, Kan.

For Sale or Lease—Fine greenhouse establishment of 10,000 feet of glass, in good condition and well stocked, with or without dwelling. Fine opening for a single man. Stock reasonable.
X Y Z, care American Florist.

For Sale—Four greenhouses, Chicago, 7,000 feet of glass, on leased ground. Well stocked with carnations and potted plants. Good retail trade and long lease. Part cash. This is a great bargain.
J R F, care American Florist.

For Sale—We want to correspond with party or parties that wish to purchase an established greenhouse business. Up-to-date, in first-class repair, in a thriving city of 8,000; books will show an excellent retail trade; no competition. Address
B, care American Florist.

For Sale—Modern greenhouses, 8,500 feet of glass. Fully stocked. Long lease of land. Situated in the center of aristocratic neighborhood of the most flourishing city in the west. Failing health of proprietor cause for selling.
M F, care American Florist.

For Sale—Old established greenhouses, large lot, good house and barn, together with all the paraphernalia incidental to this line of business. Sickness compels an immediate sale of this plant. No reasonable offer refused.
CLARENCE E. SMITH, 145 LaSalle St., Chicago.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address
SAMUEL J. BUNTING, Elmwood Ave.
and 58th St., Philadelphia, Pa.

A Splendid Chance

for a young man to purchase a well established market garden business; 9 acres right in lively town in Illinois; good buildings, etc. Good reasons for selling. Price, \$3,500; cash required, \$1,200. Apply for particulars

JOHN TRAFFORD, SYCAMORE, ILLINOIS.

Wanted.

Superintendent of growing department, in a new plant of about 100,000 square feet of glass. Must be thoroughly conversant with all lines of commercial cut flowers with a special knowledge of roses. Apply by letter to

WILLIAM ALGIE, President
U. S. Cut Flower Co., Elmira, N. Y.

Manager.

A working manager. A No. 1 Beauty grower. State salary wanted and give references as to character and ability as a grower. Address

"OWNER" Box 18, Station A., Cleveland, O.

A Rare Opportunity! Transfer our lease till August 1, 1905, to party with \$700 cash, for whole stock, including: 10,000 carnation plants, just coming into crop for Easter; 30,000 rooted carnation cuttings, 4,000 geraniums, 2 and 3-in., 75% S. A. Nutt. Stock plants of best commercial chrysanthemums. 30 tons of Indiana block coal. Rent \$800 a year; 12,000 square feet of glass. A nice 8 room living house; 7 acres of fine farm land.

GAERTNER & GRUSDORF, Cor. Touhy
and Western Ave., Rogers Park, Chicago, Ill.

FLORISTS' AMERICAN EXCHANGE

WE ARE SHORT IN THE SUPPLY OF

Hot-Bed Sash { If you have any to spare, put a price on them, including packing and delivery to freight house. State exactly what condition they are in, dimensions, size of glass and how many. Do not neglect this. While they are spoiling, we can get you dollars, which draw interest.

POINTER No. 13.

FOR SALE. CAROLINA STATE. On account of death. 7 greenhouses, large dwelling, with store on the corner, 10 rooms, sewerage, hot and cold water and gas. Everything in good order. The business is the best in the city. Well established. Full particulars on application.

POINTER No. 14.

PENNSYLVANIA CITY. 9 greenhouses, 21,000 sq. feet of glass. Nearly all new and in good condition. Stocked with carnations, roses and general line of bedding plants. Business established about twenty years. Two new boilers put in this winter. New brick smoke stack, 40 feet high. All heated by steam. City water. New dwelling house of six rooms, two halls, pantry and bath. Piped for hot and cold water. Gas, cement cellar, built 16 months; also small house for hired man, new stable, sheds, a variety of wagons and horses, harness, steam pumps, etc., etc. This is an extra fine place and requires some money, but terms will be made to suit the desirable purchaser.

INQUIRY No. 3.

A grower wants to lease plant of 20,000 to 40,000 feet of glass with good shipping facilities. The extreme Northwest Washington or Oregon preferred. This client is one of the most successful growers in the middle west for several years past. In prime of life. Good references are offered. An opportunity for any one with such a plant who cannot run it himself.

INQUIRY No. 4.

My capital consists only of my ability to grow first-class carnations, etc., and a capacity and willingness to turn out an unusual amount of work in that line. I can furnish the best of references and am at the present time with the help of my wife, running five houses 34x240 feet on contract and we are having splendid success, doing all the work ourselves. I also have two children, large enough to help outside of school hours. So you see I am capable of handling quite a place without hired help. I am anxious to get a place to lease or purchase making the plant pay for itself. This may be unusual, but a party, through illness or other causes, obliged to stop work, might be willing to put his place out in this manner if he were sure the party would look after it and do as agreed. Am 36 years of age.

Your Desires Direct Our Energy. Let Us Hear From You.

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,

Care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt,
WHOLESALE
Cut Flowers
 "THE OLD RELIABLE."
 76 Wabash Ave.,CHICAGO.
Wholesale Flower Markets

MILWAUKEE, Mar. 10.

Roses, Beauty, long per doz.	4.00@5.00
" " med.	2.00@3.00
" " short	5.00@12.50
" Bride, Bridesmaids	4.00@5.00
" Meteor, Golden Gate	4.00@6.00
" Perle	4.00@6.00
Carnations	2.00@4.00
Smilax	18.00@20.00
Asparagus	35.00@50.00
Violets	50@.75
Valley	2.00@3.00
Romans	1.50@2.00
Freesias	1.00@2.00
Tulips	2.0@3.00
Daffodils	2.00@3.00
Callas	8.00@12.50
Harrisii	10.00@12.50

PITTSBURG Mar. 10.

Roses, Beauty, specials	30.00@40.00
" " extras	20.00@25.00
" " No. 1	10.00@15.00
" " ordinary	3.00@6.00
" Bride, Bridesmaid	2.00@12.00
" Meteor	4.00@10.00
" Liberties	4.00@12.00
Carnations	1.00@3.00
Lily of the valley	2.00@3.00
Smilax	12.50@15.00
Adiantum	1.00@1.25
Asparagus, strings	30.00@50.00
Asparagus Sprengeri	2.00@4.00
Violets	20@.75
Lilies	4.00@15.00
Romans, Paper White	1.00@3.00
Tulips	2.00@4.00
Daffodils	1.00@3.00

CINCINNATI, Mar. 10.

Roses, Beauty	2.00@6.00
" Bride, Bridesmaid	4.00@10.00
" Liberty	4.00@10.00
" Meteor, Golden Gate	4.00@12.00
Carnations	3.00@6.00
Lily of the valley	3.00@4.00
Asparagus	50.00
Smilax	12.50@15.00
Adiantum	1.00@1.50
Violets	.75@1.00
Narcissus	3.00@4.00
Romans	3.00@4.00
Harrisii	per doz., 2.00
Calla	12.50@15.00

St. Louis, Mar. 10.

Roses, Beauty, long stem	3.00@6.00
" Beauty, medium stem	1.50@2.00
" Beauty, short stem	50@.75
" Bride, Bridesmaid	4.00@10.00
" Golden Gate	4.00@8.00
Carnations	1.00@5.00
Smilax	15.00@18.00
Asparagus Sprengeri	1.00@3.00
" Plumosus	35.00@75.00
Ferns	per 1000..... 3.00
Violets, single	.30@.75
Narcissus Paper White	2.00@3.00
Valley	2.00@4.00
Romans	2.00@3.00
Dutch hyacinths	4.00@5.00
Tulips	3.00@4.00
Callas	10.00@15.00
Harrisii	12.50@18.00

HEADQUARTERS FOR WILD SMILAX

AMERICAN BEAUTY Per Dozen.

36-inch stems	\$5.00
24 to 30-inch stems	\$3.00 to 4.00
18 to 24 "	2.50 to 3.00
15 to 18 "	2.00
12 to 15 "	1.50
Short stems, \$4.00 to \$8.00 per 100	

Per 100

Bride and Maid	\$3.00 to \$8.00
Golden Gate	3.00 to 8.00
Liberty and Chatenay	6.00 to 12.00

Per 100

Carnations	\$1.50 to \$2.00
" Fancy	2.00 to 3.00
Violets, Double	.50 to 1.00
" Single	.40 to .60
Valley	3.00 to 4.00
Daffodils, Paper White	2.00 to 3.00
Tulips	2.00 to 4.00
Harrisii, per dozen	\$2.00 15.00
Callas	1.50
Asparagus Sprengeri, sprays	2.00 to 5.00
" Plumosus, string, 25c to 50c each	
Fancy Ferns, per 1000	\$3.00 .35
Galax, Bronze, Green, 1000	\$1.00 .15
Adiantum	.75 to 1.00
Leucothoe Sprays	.75
Smilax, per dozen	\$2.00

OUR MURILLO TULIPS
are the best that the market affords

Book your orders now for **EASTER LILIES** and other wants.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

ROSES, CARNATIONS, BEAUTIES, VALLEY. **Pittsburg Cut Flower Co., Ltd.**
 Wholesale Florists and Supplies.
 504 Liberty St., PITTSBURG, PA.
 Please mention the American Florist when writing.

FANCY CARNATION BLOOMS
OUR SPECIALTY.
 TELEGRAPH ORDERS FILLED PROMPTLY.
J. D. THOMPSON CARNATION CO.
 JOLIET, ILL

J. M. McCULLOUGH'S SONS
WHOLESALE FLORISTS
 ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.
 CONSIGNMENTS SOLICITED.
 Special Attention Given to Shipping Orders.
 316 WALNUT ST. CINCINNATI, OHIO.

CUT FLOWERS OF ALL KINDS
 and Florists' Supplies.
 Galax, bronze or green. 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss. Ferns.
 Wire Work of all kinds for florists. Special attention given to shipping orders.
WM. MURPHY, Commission Dealer,
 130 E. 3d St., CINCINNATI, O.
 Telephone, 980 Main.
 Please mention the American Florist when writing

Brant & Noe Floral Co.,
 GROWERS OF
Cut Flowers at Wholesale.
 Careful attention given shipping orders.
 58-60 Wabash Ave., CHICAGO.

C. A. KUEHN,
Wholesale Florist.
 1122 Pine St., ST. LOUIS, MO.
 A Complete Line of Wire Designs.

H.G. BERNING
Wholesale Florist
 1402 Pine St., ST. LOUIS, MO.

KENNICOTT BROS. COMPANY
 WHOLESALE COMMISSION FLORISTS
 AND DEALERS IN ALL KINDS OF **FLORISTS' SUPPLIES,**
 AT CHICAGO MARKET RATES.
 42-44 E. Randolph St., CHICAGO, ILL.

Longiflorum Lilies for Easter

Last year we had the best Lilies on this market and the stock this year, from the same growers, promises to be even better. To be sure to be supplied with first-class stock let us book your order now.

\$15.00 per 100. \$125.00 per 1000.
—500 at 1000 rate.—

All Cut Flowers in Season.

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

CURRENT PRICE LIST.	
American Beauty.	Per doz. \$5.00
Long stemmed.....	4.00
30-inch stem.....	3.00
24-inch stem.....	2.50
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	\$6.00 to \$8.00 per 100
Short stem.....	Per 100
Brides and Maids.....	\$3.00 to \$ 8.00
Meteors and Gates.....	3.00 to 8.00
Liberty.....	6.00 to 15.00
Carnations.....	1.50 to 2.00
" large and fancy.....	3.00 to 4.00
Violets.....	.50 to .75
Sweet Peas.....	1.50
Valley.....	3.00 to 4.00
Daffodils, Paper Whites.....	2.00 to 3.00
Tulips.....	2.00 to 4.00
Callas, per doz.....	\$1.25 to \$1.50
Harrisii... per doz.....	\$1.50 to \$2.00
Asparagus, per string, 25c to 50c	15.00
Asparagus Sprengerii.....	3.00 to 6.00
Ferns..... per 10 0, \$3.50	.35
Galax..... per 1000, 1.00	.15
Adiantum.....	.75 to 1.00
Smilax..... per doz., \$2 00	15.00
Leucothoe Sprays.....	.75

SUBJECT TO CHANGE WITHOUT NOTICE.

The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

FRANK GARLAND,
Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT
65-67 WABASH AVENUE,
Telephone Central 3284. **CHICAGO.**

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.
Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and Shipper of **CUT FLOWERS**
60 WABASH AVE., CHICAGO.
Telephone 3067 Central.

WIETOR BROS.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

BEATRICE, NEB.—Articles of incorporation of the Dole Floral Company have been filed here. The company is capitalized for \$25,000. The incorporators are S. H., E. W. and W. A. Dole of this city.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations
A Specialty..... WHOLESALE GROWER of **CUT FLOWERS**

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Mar. 11.

Roses, Beauty, 30 to 36-in. stems	3.00@ 5.00
" " 20 to 24 "	2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	6.00@ 8.00
" " extra select.....	10.00@ 15.00
" Chatenay.....	6.00@12.00
" Bride, Bridesmaid.....	3.00@ 8.00
" Meteor, Golden Gate.....	3.00@ 8.00
Carnations.....	1.00@ 3.00
" fancy.....	3.00@ 4.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	2.00@4.00
" " sprays 2.00@4.00	
" Sprengerii.....	3.00@ 6.00
Violets, double.....	.75@ 1.50
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
" Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns... per 1000	2.50@ 3.50
Callas.....	12.50@15.00
Smilax.....	1.00@ 1.75 per doz.
Harrisii.....	1.25@ 2.00
Tulips.....	2.00@ 4.00
Daffodils.....	2.00@ 3.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention. 35-37
GREENHOUSES: Randolph Street
Mortoo Grove, Ill CHICAGO ILL.
Please mention the American Florist when writing.

WEILAND - AND - RISCH
CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

American Florist Advertisements
Work Every Day.

Leo Niessen

**Gardenias,
Freesias,
Pansies.**

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.
After October 1st, Store will be open
from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,



WELCH BROS.

CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale
Flower Market.

1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr.

WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

GEORGE SALTFOORD,

WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK.
TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.
Consignments of any good flowers solicited.
Please mention the American Florist when writing.

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.

N. Lecakes & Co.

53 W. 28th St., and 45 W. 29th St.,
Also at
26th St. and 34th St. Markets
New York.

ERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES

EEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$6.50 per case of 10,000.
Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy
Dagger Ferns, \$1.50 per 1000, A No. 1 quality. Bronze and Green Galax
\$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00.
25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per
yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag.
Sphagnum Moss \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or tele-
phone will receive our personal and prompt attention. Long Dis 'Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

Please mention the American Florist when writing

Wholesale Flower Markets

BOSTON, Mar. 9.

Roses, Beauty, extra.....	25.00@40.00
" " medium.....	10.00@20.00
" " culls.....	3.00 @ 6.00
" " Bride, Bridemaid.....	3.00@ 5.00
" " extra.....	6.00@12.00
" " Liberty.....	4.00@ 10.00
Carnations.....	1.00@ 1.50
" " Fancy.....	2.00@ 3.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies, Calla.....	8.00@12.00
Smilax.....	12.00@16.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Roman Hyacinths, Daffodils.....	1.00@ 2.00
Tulips.....	1.0 @ 2.00
Peas.....	.50@ 1.00

PHILADELPHIA, Mar. 9.

Roses, Tea.....	4.00@ 8.00
" " extra.....	10.00@12.00
" " Beauty, extra.....	25.00@40.00
" " frsts.....	12.00@ 0.00
" " Queen of Edgely, extra.....	25.00@40.00
" " frsts.....	12.00@20.00
Carnations.....	2.00@ 6.00
Violets, single.....	.30@ .40
" " double.....	.50@ .75
Lily of the valley.....	3.00@ 4.00
Daffodils.....	2.00@ 3.00
Tulips.....	2.00@ 4.00
Freesia.....	2.00@ 4.00
Lilac.....	.50@ 2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00

BUFFALO, Mar. 10.

Roses, Beauty.....	3.00@25.00
" " Bride, Bridemaid, Meteor.....	3.00@10.00
Carnations.....	1.50@ 6.00
Harrisii.....	12.5 @ 15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	12.50@15.00
Adiantum.....	.50@ 1.00
Violets.....	.20@ .50
Callas.....	8.00@10.00
Sweet Peas.....	.40@ .60

SOUTHERN SMILAX.

No. 1 quality only \$5.50 per case of 50 lbs. Be
sure and try it when you want Smilax. GALAX,
bronze or green, 75c per 1000. Discount on large
orders. LAUREL FESTOONING, No. 1 quality,
4c, 5c and 6c per yard. Always on hand and large
orders filled at short notice. FANCY or DAGGER
FERNS, \$1.50 per 1000.



Long distance telephone connection.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

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128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at
Market Prices.

Shippers of choice Cut Flowers and Greens of all
kinds. Try us.

Always mention the.....

American Florist

when you write to an advertiser.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1908 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 758 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

65 and 57 West 26th St. NEW YORK CITY.

Advice or sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

WE 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,
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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 656 Madison Sq.
116 W. 30th St., New York. Also 48 W. 30th St.

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Cut Flower Exchange,
OPEN 6:00 A. M.
An Unequaled 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.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Mar. 9.

Roses, Beauty, best.....	20.00@40.00
" " medium.....	6.00@12.00
" " culls.....	.50@2.00
" Bride, Bridesmaid, G. Gate	2.00@10.00
" Liberty.....	3.00@35.00
Carnations.....	.75@2.00
" fancy and novelties.....	2.00@4.00
Lily of the valley.....	1.00@2.00
Lilies, Callas.....	4.00@8.00
Violets.....	.25@.40
" special.....	.50@.80
Smilax.....	10.00@16.00
Adiantum.....	.55@.75
Asparagus.....	25.00@50.00
Dendrobium formosum.....	30.00@40.00
Mignocette.....	1.00@4.00
Roman Hyacloths.....	1.00@1.50
Tulips.....	.50@3.00
Narcissus.....	1.00@2.00
Gardenias.....	25.00@50.00
Freesia.....	.06@.12 per bun.
Stocks.....	.20@.35 per bun.
Sweet peas.....	.04@.12 per huq.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

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Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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. 28th Street, NEW YORK CITY
Telephone 1738 Madison Square.

THE NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,
WHOLESALE FLORISTS.

Daily Reports. Weekly Payments
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St.
New York.
Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th. St. N.W New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL.

WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER
GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

24, Massachusetts Ave., INDIANAPOLIS, IN U.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873. Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Umbria	1	Sat. Mar. 19, 7:00 a. m.	Mar. 25
New York.....	"	Campania	1	Sat. Mar. 26, Noon.	Apr. 3
Boston.....	"	Ivernia	1	Tues Mar. 16, 8:30 a. m.	Mar. 22
Boston.....	Glasgow	Corinthian	2	Thur. Mar. 17, 11:00 a. m.	Mar. 17
Boston.....	Hamburg	Graf Waldersee	3	Sat. Mar. 19, 6:00 a. m.	Mar. 28
Boston.....	"	Bleucher	3	Thur. Mar. 24, 10:00 a. m.	Apr. 4
Boston.....	Copenhagen	Helig Olav	4	Wed. Mar. 16, 2:00 p. m.	
Boston.....	"	Norge	4	Sat. Mar. 26, 2:00 p. m.	
Boston.....	Glasgow	Astoria	5	Sat. Mar. 19, 10:00 a. m.	Mar. 29
Boston.....	London	Minneapolis	6	Sat. Mar. 19, 7:00 a. m.	Mar. 29
Boston.....	"	Meaba	6	Sat. Mar. 26, 9:00 a. m.	Apr. 6
Boston.....	Liverpool	Teutonic	7	Wed. Mar. 16, 10:00 a. m.	Mar. 23
Boston.....	"	Celtic	7	Fri. Mar. 18, 6:00 a. m.	Mar. 25
Boston.....	"	Cedric	7	Wed. Mar. 23, 9:00 a. m.	Mar. 31
Boston.....	"	Cymric	7	Thur. Mar. 17, 10:00 a. m.	Mar. 15
New York.....	Naples	Republic	7	Sat. Mar. 26, 4:00 p. m.	Apr. 9
New York.....	Southampton	St. Paul	8	Sat. Mar. 19, 9:30 a. m.	Mar. 25
New York.....	"	Philadelphia	8	Sat. Mar. 26, 9:30 a. m.	Apr. 2
New York.....	Antwerp	Kronland	8	Sat. Mar. 19 10:30 a. m.	Mar. 29
New York.....	"	Zeeland	8	Sat. Mar. 26, 10:30 a. m.	Apr. 4
New York.....	Havre	La Bretagne	10	Thur. Mar. 17, 10:00 a. m.	Mar. 27
New York.....	"	La Savoie	10	Thur. Mar. 24, 10:00 a. m.	Apr. 6
New York.....	Rotterdam	Noordam	11	Tues. Mar. 22, 10:00 a. m.	Apr. 1
New York.....	Genoa	Lombardia	12	Tues. Mar. 15, 11:00 a. m.	Apr. 1
New York.....	"	Nord America	12	Tues. Mar. 22, 11:00 a. m.	Apr. 7
New York.....	Bremen	Kaiser Wilh. 11	13	Tues. Mar. 15, 5:00 a. m.	Mar. 22
New York.....	"	Bremen	13	Thur. Mar. 17, 10:00 a. m.	Mar. 27
New York.....	"	Kronprinz Wilhelm	13	Tues. Mar. 22, 8:00 a. m.	Mar. 29
New York.....	"	Rhein	13	Thur. Mar. 24, 10:00 a. m.	Apr. 5
New York.....	Genoa	Hohenzollern	13	Sat. Mar. 19, 11:00 a. m.	Apr. 1
New York.....	"	Lahn	13	Sat. Mar. 26, 11:00 a. m.	Apr. 7
Boston.....	Liverpool	Cestrian	14	Wed. Mar. 16, 9:30 a. m.	Mar. 26
Boston.....	"	Devonian	14	Wed. Mar. 23, 2:00 p. m.	Apr. 2

* 1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO. Prop.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

NICKEL RATE.
The New York, Chicago & St. Louis R.R.

NO EXCESS FARE ON ANY TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

PLEASE MENTION US TO OUR ADVERTISERS.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Etruria	1	Sat. Mar. 19	Mar. 26
Liverpool.....	"	Lucania	1	Sat. Mar. 26	Apr. 2
Liverpool.....	Boston	Saxonia	1	Tues. Mar. 15	Mar. 22
Glasgow.....	New York	Mongolian	2	Sat. Mar. 26	Apr. 5
Hamburg.....	"	Moltke	3	Thur. Mar. 17	Mar. 28
Hamburg.....	"	Patricia	3	Sat. Mar. 19	Mar. 31
Hamburg.....	"	Deutschland	3	Thur. Mar. 24	Mar. 31
Copenhagen.....	"	United States	4	Wed. Mar. 23	
Glasgow.....	"	Anchoria	5	Thur. Mar. 24	Apr. 3
London.....	"	Minnetonka	6	Thur. Mar. 17	Mar. 27
Lodon.....	"	Marquette	6	Thur. Mar. 24	Apr. 3
Liverpool.....	"	Majestic	7	Wed. Mar. 16, 4:30 p. m.	Mar. 23
Liverpool.....	"	Arabic	7	Fri. Mar. 18, 4:30 p. m.	Mar. 25
Liverpool.....	"	Oceanic	7	Wed. Mar. 23, 4:30 p. m.	Mar. 29
Southampton.....	"	St. Louis	8	Sat. Mar. 19 Noon.	Mar. 26
Southampton.....	"	New York	8	Sat. Mar. 26, Noon.	Apr. 2
Antwerp.....	"	Finland	9	Sat. Mar. 19, 2:00 p. m.	Mar. 29
Antwerp.....	"	Vaderland	9	Sat. Mar. 28, 9:00 a. m.	Apr. 5
Havre.....	"	La Champagne	10	Sat. Mar. 19	Mar. 29
Havre.....	"	La Touraine	10	Sat. Mar. 26	Apr. 5
Rotterdam.....	"	Potsdam	11	Sat. Mar. 19	Mar. 30
Rotterdam.....	"	Rotterdam	11	Sat. Mar. 26	Apr. 5
Genoa.....	"	Sardagna	12	Mon. Mar. 21	Apr. 5
Bremen.....	"	K. Wil. Der Grosse	13	Tues. Mar. 15 8:00 a. m.	Mar. 22
Bremen.....	"	Barbarossa	13	Sat. Mar. 19, 8:00 a. m.	Mar. 29
Genoa.....	"	Prinzess Irene	13	Thur. Mar. 17	Mar. 30
Naples.....	"	Neckar	13	Thur. Mar. 24	Apr. 6
Liverpool.....	Boston	Bohemian	14	Sat. Mar. 19	Mar. 27
Liverpool.....	"	Canadian	14	Sat. Mar. 26	Apr. 5

* See steamship list on opposite page.

GALAX...

Bronza or green, 75c per 1000, in 2,000 ots orl mora. **Leuoothoe Sprays**, green, 90c per 100. **Southern Smlax**, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. **Green Sheet Moss**, choice stock, \$2.50 per barrel sack. **Spagnum Moss**, \$1.75 per large bale.

FLORIST' SUPPLIES of Every DESCRIPTION.

Tel. 597 Madison Square.

L. J. KRESHOVER,
110-112 W. 27th St., New York.

GALAX LEAVES, ETC., Fresh New Crop.

Galax Leaves, Green and Bronze, per 1000. ... \$.60
Cut Fancy and Dagger Ferns, per 1000. 1.00
Leucothoe Sprays, Green, per 1000. 3.00
" " Red, per 1000. 6.00
Rhododendron Sprays, per 1000. 5.00

Largest dealer in the U. S. Orders filled promptly. Send cash with order. Send 50c for a nice cane, cut from the famous mountains of N. C. Nicely varnished, crooked or straight. Mention length desired and variety of wood—hickory, rhododendron, wahoo, poplar, striped maple, etc. Grand souvenir, besides useful. Try one or more.

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

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER

IN THE WORLD.

Current Price List.

	Per Doz.
AM. BEAUTIES, long stems,	\$5.00
" " 30-in. "	4.00
" " 20-24 " "	\$2.50 to 3.00
" " 15-18 " "	1.50 to 2.00
" " Short stems....	1.00 to 1.25
	Per 100
SUNRISE.....	\$4 00 to \$8.00
CHATENAY.....	6.00 to 12.00
BRIDE.....	5.00 to 8.00
BRIDESMAID.....	5.00 to 8.00
PERLE.....	5.00 to 8.00
CARNATIONS.....	2.00 to 3.00
ROSES, OUR SELECTION.....	4.00

All flowers are perfectly fresh and properly packed. No charge for P. and D. on orders over \$5.

It is good business policy
.....to mention the

American Florist

When you write to an advertiser.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

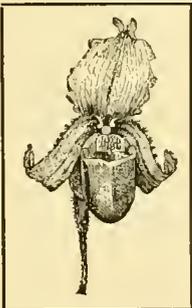
BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—



ORCHIDS.

"GET IN THE HABIT"

—Of calling up Long Distance Phone Central 3598, or Telegraph, or a letter to—

CHAS. W. MCKELLAR, - 51 Wabash Ave., CHICAGO.

WHEN YOU WANT

ORCHIDS, VIOLETS, VALLEY, FANCY ROSES, FANCY CARNATIONS, BULBOUS FLOWERS, AND GREENS OF ALL KINDS; OR SUPPLIES AND WIRE WORK OF ANY KIND.

—ORDERS BOOKED NOW FOR EASTER.—

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Charles McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-24, 1904.

On page 264 of this issue will be found a report of the seed trade in Europe.

MARBLEHEAD, MASS.—Franklin Reynolds, who for thirty-three years was the efficient head clerk of the seed firm of J. J. H. Gregory & Son, died March 7, after a brief illness.

THIS is one of the most extraordinary seasons in regard to the deliveries made by the growers here as well as in Europe. Sweet corn seed is one of the most troublesome items. It seems to be very slow in curing, and seedsmen are obliged to live from hand to mouth until deliveries of larger volume can be made.

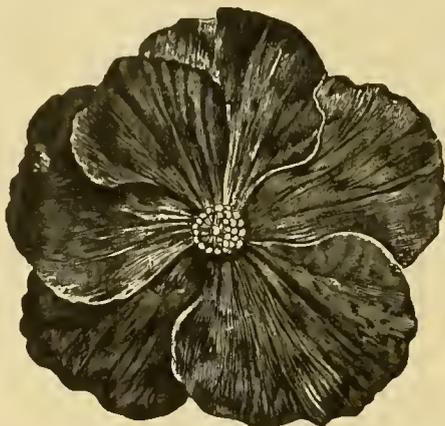
SANTA PAULA, CAL., March 1.—We have just had a nice rain, making the total of the precipitation to date four inches in this county, write John Bodger & Son. Ordinarily we require about fifteen inches to produce average crops, but as we are getting our year's supply in the spring this season, we calculate on being able to produce average crops with from eight to ten inches.

BALTIMORE, MD.—The seedsmen who were burned out have all secured new quarters and new stocks and are prepared (as indeed are all the business men in every branch of trade) for the spring trade, which will probably come in now with a rush. The "truckers" in Anne Arundel and in other sections south of Baltimore sow peas as rule in February, but the severity of the winter, unrelaxed until now, has delayed them nearly a month, and with twelve inches of frost in the ground until February 1, not a plow has started.

Government Seeds Branch Office.

The following is found in the editorial columns of the Edgefield, S. C., Chronicle: Through the kindness of Hon. Asbury Latimer, junior United States senator from South Carolina, the Edgefield Chronicle has a moderate supply of garden seed which we will distribute among our subscribers absolutely free of cost. All that is necessary to secure a package of these fine vegetable seeds is to call at the Chronicle office. We have for distribution this year two different packages. One contains pole beans, watermelon, beet, lettuce, radish. The other contains lettuce, squash, turnip, mustard, cabbage. These seeds are of the finest varieties and are raised at the government experimental farms.

This is a new and easy way for a United States senator to distribute his share of seeds among his constituents. The distribution is authorized by a statute which stipulates that the distribution "shall be confined to such seeds as are rare and uncommon to the country, or such as can be made more profitable by frequent changes from one part of our country to another." It is under this law that the esteemed Edgefield Chronicle is enabled, through the kindness of the junior senator, to place in the hands of Edgefield farmers such "rare and uncommon" seeds as the bean, the watermelon, the beet, the lettuce, the radish, and also the squash, the turnip, the mustard and the cabbage!—Columbia, S. C., State.



SINGLE TUBEROUS ROOTED BEGONIA.

TUBEROSES.

DWARF EXCELSIOR PEARL. Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers. First size bulbs, \$1.00 per 100; \$8.00 per 1000; Medium size bulbs, 60c per 100; \$4.50 per 1000.

SUMMER FLOWERING BULBS For Spring Shipment.

BEGONIAS. Tuberous Rooted, Giant Flowering Varieties.

We import only Bulbs which are grown from the finest large-flowering strains of seed, and which are sure to give satisfaction.

SINGLE, White, Yellow, Scarlet and Pink, 40c per dozen; \$3.00 per 100.
DOUBLE, White, Yellow, Scarlet and Pink, 65c per dozen; \$5.00 per 100.

BEGONIA LAFAYETTE. A splendid bedding variety of this well known family. Flowers are of a most brilliant fiery scarlet, double and borne upright on their stalks. One of the best for bedding, as it blooms all summer. Each 25c; Doz. \$2.65.

CALADIUM ESCULENTUM.

	Each	Doz.	100
5 to 7 inches in circumference	\$0.05	\$0.40	\$2.50
7 to 9 "	.06	.60	4.00
9 to 12 "	.10	.95	7.00
12 inches and up.....	.18	1.75	14.00

GLADIOLUS.

VAUGHAN'S FLORIST MIXTURE, Light and White, 1.75 per 100; \$15.00 per 1000.

Also full list of named varieties. Write for prices.

MIKADO FERN BALLS,

7-9 inches.....\$3.00 per Doz.; \$25.00 per 100 inches..... 2.25 per Doz.; 15.00 per 100

VAUGHAN'S SEED STORE, CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, SEED GROWERS, PHILADELPHIA, PA.

Lily of the Valley Pips

For Immediate Delivery From Cold Storage

ALL THE YEAR ROUND.

PRICES ON APPLICATION.

SUZUKI & IIDA, 31 Barclay St., NEW YORK.

Chater's Hollyhock Seeds.

In six superb double colors, 75c per oz.; 40c per 1/2-oz. Allegheny Hollyhocks, \$1.00 per oz.; 60c per 1/2-oz. Finfolia Double Hollyhocks, New, \$1.00 per oz. Single Hollyhocks, 10 distinct colors, 60c per 1/2-oz. New Hydrangea, Jeanne d'Aro, white flowered and red branched, 4-in. pots, 40c each; \$3.00 per doz.; fine for florists. Cash please.

JOHN CHARLTON & SONS, Rochester, N. Y. Please mention the American Florist when writing.

Dealers and Florists

Visiting Bermuda during the next 4 months are invited to visit Longbird farm and view the crop of Genuine Harrisii Lilies now in bloom, the finest ever seen in Bermuda.

Office Telephone 517, Residence 509. R. H. JAMES, Prop., St. Georges, Bermuda.

ALWAYS MENTION THE..... AMERICAN FLORIST WHEN WRITING ADVERTISERS.

PLANT NOW
Lily of the Valley
FOR EASTER.
FINE STOCK FROM COLD STORAGE,
\$1.50 per 100; \$13.00 per 1000;
\$30.00 per case of 2,500.
H. N. BRUNS,
1409-1411 West Madison Street,
CHICAGO, ILL.

Please mention the American Florist when writing

EXTRA SELECTED LARGE ASTER SEEDS, 50c per oz., prepaid by mail. Branching white, with about 10% pink. Branching pink, with about 10% white. White, Lavender and Pink, mixed. TH. F. VAN DE MEULEN, Florist, Dunkirk, N. Y.

PAEONIAS, DOUBLE HERBACEOUS



—WE WILL SUPPLY ONE EACH OF

DOUBLE HERBACEOUS PAEONIAS TO COLOR.

	Per doz.	Per 100
Double White	\$1.25	\$10.00
Double Red	1.00	8.10
Double Pink	1.00	8.00
Double Crimson and Purple	1.25	10.00
Double Mixed, all colors	1.00	6.00

EARLY-FLOWERING HERBACEOUS PAEONIAS.

Officinalis Rubra, rich crimson	1.00	8.00
Officinalis Rosea, soft pink	1.50	12.00
Officinalis Alba, bluish white	2.00	15.00
Tenuifolia fl. pl. or Fringe-Leaved, double crimson	2.00	15.00

The following list of Paeonias can be supplied from storage in strong divisions with from two to four eyes each in excellent condition for spring planting.

	Per doz.	Per 100
Andre Lauries, soft velvety red	\$2.00	\$15.00
Beaute Francaise, delicate pink tipped blush	2.00	15.00
Christine, soft pink, shading lighter	1.50	12.00
Comte d'Osmonde, white with sulphur centre	2.00	15.00
Coralie Mattheu, purplish red, golden anthers	2.00	15.00
Delicatissima, delicate rose, very fragrant	2.00	15.00
Doyen d'Enghien, light carmine	2.00	15.00
Duke of Wellington, ivory white with creamy center	2.50	20.00
Eclatante, a fine dark crimson with golden anthers	2.00	15.00
Edulis Alba, a good double white	2.00	15.00
Elegans, soft pink	1.50	12.00
Elegantissima, bright pink	1.50	12.00
Faubert, bright purplish red	2.00	15.00
Festiva Alba, a fine standard white	2.00	15.09
Festiva Maxima, the fine and popular white variety for cut flowers	5.00	40.00
Formosa, white, tinted blush and chamois in centre	1.50	12.00
Fragrans, deep pink, shading lighter towards the edges	2.00	15.00
Golden Harvest, nearest approach to a yellow	2.50	20.10
Grandiflora Nivea, flesh, changing to white	2.00	15.00
" Rubra, extra large, blood red	2.00	15.00
Josephine Parmentier, rose with pink center, suffused salmon	1.50	12.00
Laeteliana, flesh color	2.00	15.00
L'Esperance, a fine sweet scented rose	2.00	15.00
Lutea Variegata, rose, creamy center and rose colored tufts	2.50	20.00
Mme. Carpentier, salmon rose	1.50	12.00
Mme. Coste, creamy white, center petals, tipped carmine	2.00	15.00
Mons. Bellart, fine purplish crimson	1.50	12.00
Mons. Rousselon, rose with chamois center	2.00	15.00
Noblissima, rose with silvery border	2.00	15.00
Pomponia, large rosy pink, salmon center	2.00	15.00
Pottsii, rosy red	1.25	10.00
Reine des Flandres, late rosy red	1.25	10.00
" Hortense, delicate rosed, chamois center	2.00	15.00
Rosea Elegans, lively rose	1.50	12.00
" Superba, an extra fine rosy pink	2.00	15.00
Rubra Triumphans, rich glowing center	2.00	15.00
Sapho, rosy red, lighter center	1.25	10.00
Triomphe de Gand, creamy white with yellow center	2.00	15.00
Victoria Tricolor, outer petals pale rose, mottled pink, center creamy white	2.00	15.00
Whitley Plena, semi-double blush white, cream center	1.50	12.00

THE FORTY VARIETIES FOR \$6.00.—

JAPANESE SINGLE PAEONIAS.

	Per doz.	Per 100
12 Distinct Varieties	\$2.00	\$15.00

JAPANESE TREE PAEONIAS.

12 Distinct Double Varieties	each, 60c; 6.00	45.00
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For a complete list of **Hardy Perennials** for which we are headquarters see our Current Wholesale List.

HENRY A. DREER, Philadelphia, Pa.

60,000 CANNAS

In first-class shape. 30 best varieties, true to name from \$1.00 per 100 up. Send for price list.

KENTIA BELMOREANA, nice clean stock, 3-in., \$1.50 per doz.; 4-in., \$3.00 per doz.

RUBBER PLANTS, 15 to 25 cents each.

1,000 VINCA VARIEGATA, extra heavy 4-inch pots, \$3.00 per 100. Rooted Carnation Cuttings. Write for prices.

W. W. COLES, KOKOMO, IND.

Please mention the American Florist when writing.

CANNAS.

Florence Vaughan, Canary, Burbank, Grand Rogue, Kate Grey, Mme. Crozy, Chas. Henderson, Bronze Bedder, Rose Unique, Beaute Poitevine, J. Montel, Duke of Marlborough, J. D. Eisele; also have a few of other kinds. Buyer's choice. \$1.50 per 100; our selection of sorts in good assortment, per 100, \$1.00.

	Per 100
Ceranlums—Good plants	\$4.00
Strong plants, bud and bloom	6.00
Hellotrops of sorts, good stock	4.00
Coleus—Rooted Cuttings, 75c per 100; Plants	2.50
Alternantheras—4 kinds, Rooted Cuttings	.50
Plants, bushy	2.50
Begonias, in good assortment	4.00

ROBERT S. BROWN & SON, Box 335, KANSAS CITY, MO.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Cannas,

Strong Root Pieces, averaging 2 to 3 eyes.

ALPHONSE BOUVIER.

- ALSACE.
- AUSTRIA.
- BLACK BEAUTY, \$7.00 per 100.
- BASSETT'S RED, \$3.00 per 100.
- CHARLES HENDERSON.
- CRIMSON BEDDER.
- DUKE OF MARLBOROUGH.
- EGANDALE, \$3.00 per 100.
- FLORENCE VAUGHAN.

MME. CROZY.

- MRS. KATE GRAY, \$5.00 per 100.
- PRES. CARNOT.
- PRES. CLEVELAND.
- PROGRESSION.
- QUEEN CHARLOTTE.
- ROBERT CHRISTIE.
- SAM TRELEASE, \$4.00 per 100.
- SOUV. DE ANTOINE CROZY.

UNLESS NOTED \$2.00 per 100; \$18.00 per 1000. WRITE FOR PRICES ON LARGE LOTS.

The Storrs & Harrison Co., Painesville, Ohio.

Please mention the American Florist when writing.

... CANNAS ...

F. Vaughan, J. C. Vaughan, Egandale, Chas. Henderson, A. Bouvier, Burbank, Souv. de Antoine Crozy in variety, \$1.50 per 100; \$12.00 per 1000. **ALTERNANTHERA**, the new **Brilliantissima**, finest of all, \$1.00 per dozen; \$5.00 per 100. **BOSTON FERNS**, 2 1/4-inch, ready for 4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; **PIERSON FERN**, 2 1/4-inch, ready for 4-inch, \$8.00 per 100; 5-inch, fine, 50c. **ASP. PLUMOSUS**, 2 1/4-inch, extra fine, \$3.50 per 100. **ASP. SPRENGERI**, 2 1/4-inch, \$2.00 per 100. **CARNATIONS**, Queen Louise, R. C. \$1.25 per 100; \$10.00 per 1000. **COLEUS**, 15 varieties, 2-inch, \$2.00 per 100.

CASH A. J. BALDWIN, Newark, Ohio. PLEASE.

Please mention the American Florist when writing.

Cannas...

Chas. Henderson, Chicago, Papa, McKinley, Alphonse Bouvier, Florence Vaughan, Egandale, C. D. Cabos. Strong healthy tubers, 2-3 eyes true to name, \$1.75 per 100; \$15.00 per 1000.

PAUL MADER, E. Stroudsburg, Pa.

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. **PEONIES**, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 per 100. **H. P. ROSES**, dormant, own roots, \$1.50 per doz; \$12.00 per 100. **PANSIES**, transplanted, the very finest, \$1.50 per 100. **F. A. BALLER, Bloomington, Ill.**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

N. W. HALE, Knoxville, Tenn., Pres.; FRANK A. WEBER, St. Louis, Mo., Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

OWATONNA, MINN.—Thos. E. Cashman, president of the Clinton Falls Nursery Company and manager of Lord Greenhouse Company, has been re-elected mayor of Owatonna.

KNOXVILLE, TENN.—The Republicans of the second congressional district nominated N. W. Hale, of the Knoxville Nursery Company, president of the American Association of Nurserymen, for congress.

Joplin, Mo.

A certificate of incorporation has been issued to the Ozark Fruit Farm Company, of Joplin, capitalized at \$1,000,000, fully paid. The purposes of the company, as set forth in the statement filed in the office of the secretary of state, are the clearing of land from timber, the planting and cultivation of all kinds of fruit and agricultural products, the development of the agricultural, horticultural and other resources of land, the canning and preserving of fruit, the manufacture of all such articles as may be obtainable from agricultural or horticultural products, and the erection and maintenance of the necessary buildings, machinery and appliances.

Patchogue, N. Y.

William B. Woodruff, aged 65 years, was burned to death in his greenhouse February 29. His body, burned to a crisp, was found the next day by Ira B. Terry, and there were indications of a horrible struggle with the flames. It is supposed he lay in his bed, started to light a cigar and, the match falling, set fire to his clothing. From ashes on the floor could be traced his course as he crawled from the bed to the corner. His charred coat, which he had thrown off, lay half way between the bed and his body. Woodruff was a native of New Jersey and his mother and two sisters live at Madison in that state. Two children, Edward R. Woodruff and Mrs. Daniel Jackson, survive.

WORCESTER, MASS.—T. C. Joy, a prominent florist of Nashville, Tenn., visited Worcester in search of two greenhouse superintendents.

Advertisement for J. F. Muller Nursery, Rellingen, Germany, featuring a circular logo with text: 'OVER 1000 ACRES OF FINEST CULTURES', 'IMPORT & WHOLESALE ONLY', 'SEEDLING STOCK, SHRUBS, ORNAMENTAL TREES, EVERGREENS, FORCING PLANTS', 'SUPERIOR QUALITY, GRADING AND PACKING', 'SATISFACTION GUARANTEED', 'AUG. RHOTERT, 26 Barclay St. N.Y.', 'J. PALMER & SON, ANNAPOLIS, MARYLAND', 'B. LOOYMAN & SONS, ROTTERDAM, HOLLAND', 'LOUIS LEROY, AMERS-FOORT, HOLLAND', 'M. KOSTERSONS, BOSKOOP, HOLLAND', 'J. F. MULLER NURSERY, Rellingen, (Germany). FINEST RAFFIA AND TREE SEEDS.'

Advertisement for P. J. Berckmans Co., Inc., Fruitland Nurseries, Augusta, Ga. Text: 'NOW IS THE TIME TO ORDER', 'Per 100', 'Exochorda Gril., 18 to 24-inch, bushy, \$ 8.00', 'Lonicera 1/2 Belgica and Heckrotti, 3 to 4 feet, bushy, 8.00', 'Ampelopsis Japonica, 2 1/4-inch pots, 4.00', 'Cedrus Deodara, 15 to 18-inch, 25.00', 'Cedrus Deodara, 20 to 24-inch, 30.00', 'Oranges, best sorts, grafted, bearing size 12-inch, bushy, 4-inch pots, 20.00', 'Ligustrum Amurense, true, 2 to 3-feet branched, per 1000, \$20.00', 'Oranges, 15 to 18-inch, 5-inch pots, 30.00', 'Lemons, grafted, 18 to 24-inch, 5-inch pots, 30.00', 'Kentia Belmoreana, 12 to 15-inch, 5 leaves, 18.00', 'Lantana, 15-inch, 3 to 4 ch. leaves, 20.00', 'Phoenix Canariensis, 15 to 18-inch, 2 to 3 leaves, showing character, 15.00', 'Not less than 50 of a kind at above prices.', 'Write for Wholesale and Descriptive Catalogue.', 'P. J. BERCKMANS CO., (Inc.) FRUITLAND NURSERIES. AUGUSTA, GA. Established 1858. Please mention the American Florist when writing.'

Rhododendron Maximum and Kalmia Latifolia IN CAR LOAD LOTS. FINEST IN THE COUNTRY. Send for Booklet.

EASTERN NURSERIES, Jamaica Plain, Mass.

Advertisement for August Rölker & Sons, Importers of Palms, Bay Trees, Auracarias, etc. Text: 'August Rölker & Sons, IMPORTERS OF Palms, Bay Trees, Auracarias, etc. Decorative Plants for spring delivery; Lily of the Valley, Lilacs, Forcing Bulbs, etc. for fall delivery; Raffia for Nurserymen and Florists. Address 31 Barclay St. or P. O. Box 752, NEW YORK. Please mention the American Florist when writing.'

Advertisement for Dahlias, Mrs. Winters, The World's Best White Dahlia, \$18.00 per 100. Includes image of a dahlia. Text: 'Dahlias Mrs. Winters The World's Best White Dahlia. \$18.00 per 100. Ingeborg Egeland, the best scarlet cactus, \$5.00 per doz. Other novelties and standards. Also 20,000 double field-grown Hollyhocks in separate colors of red, white, pink, yellow and maroon, \$3.00 per 100. Gladioli and bardy plants. Send for catalogue before ordering. W. W. WILMORE, The Dahlia Specialist, Box 382, DENVER, COLO.'

Advertisement for J. Dijkhuis & Co., Boskoop-Holland. Text: 'J. DIJKHUIS & CO. BOSKOOP-HOLLAND. QUALITY. QUANTITY. Ask our prices for AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc. Price List Free on Application.'

Advertisement for Koster & Co., Hollandia Nurseries, Boskoop, Holland. Text: 'KOSTER & CO. Hollandia Nurseries Boskoop, Holland. HARDY AZALEAS, BOX TREES, CLEMATIS, CONIFERS, HYDRANGEAS, PEONIES. Pot-Grown Plants for Forcing. RHODODENDRONS, H. P. ROSES, Etc. No Agents. Catalogue free on demand. Please mention the American Florist when writing.'

Advertisement for J. Blaauw & Co., Boskoop, Holland. Text: 'J. Blaauw & Co., BOSKOOP, HOLLAND. Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain. Please mention the American Florist when writing.'

Advertisement for California Privet. Text: 'CALIFORNIA PRIVET. Per 1000 200,000 2 yrs., 2 to 2 1/2 ft., very bushy, \$20.00, 150,000 2 yrs., 18 to 24 in., very bushy, 16.00, 100,000 2 yrs., 12 to 18 in., very bushy, 10.00, 200,000 1 yr., 12 to 18 in., branched, 9.00, 200,000 1 yr., 10 to 12 in., branched, 7.00, 100,000 Cuttings, 8 in., strong, .80, 100,000 Cuttings, 8 in., light, .60. Also have a large stock in Asparagus Roots, 2 yrs., Palmello and Barrs, 30,000 Canna Roots, 50,000 Tuberose Roots, 5,000 Geraniums, 2 1/4 pots, all good stock and low prices. Write for trade list. J. H. O'HACAN, Little Silver, N. J. Please mention the American Florist when writing.'

Advertisement for The Moon Company. Text: 'Send to THE MOON Company For Trees, Shrubs, Vines Your and Small Fruits. Descriptive Illustrated Catalogue Free THE WM. H. MOON CO. Morrisville, Pa. Please mention the American Florist when writing.'

Advertisement for 4,000,000 Peach Trees. Text: '4,000,000 Peach Trees JUNE BUDS A SPECIALTY. No agents traveled, but sell direct to planters at wholesale prices. Absolutely free from diseases and true to name. Write us for catalogue and prices before placing your order elsewhere. We guarantee our stock to be true to name. Largest Peach Nursery in the world. Address J. C. HALE, - - - Winchester, Tenn.'

Advertisement for Philadelphia Rambler. Text: 'Philadelphia Rambler. The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100. CRIMSON RAMBLER. Extra well branched, \$8.00, \$11.00 and \$15.00 per 100. The Conard & Jones Co., WEST GROVE, PA.'

Advertisement for Do Your Eyes Hurt. Text: 'Do Your Eyes Hurt When you look upon the flowering of your bulbs? Why not let them shine with delight by buying your bulbs from JOHN SCHEEPERS. Member of R. Schoo & Co., Bulb Growers, Hillegom, (Holland). Write to-day. 136 Water Street, - - - NEW YORK.'

Advertisement for 2,500 Norway Sugar and Sycamore Maples. Text: '2,500 Norway, Sugar and Sycamore Maples. 12 to 18 feet high. Will caliper up to 3-in. At bottom prices. J. J. STYER, Concordville, Pa.'

THE New Canna "EMIL WIELAND"

The BEST SCARLET CANNA Yet Produced.

A cross between the Crozy and Orchid types, combining the standard qualities of its parents. Immense trusses; color intensely bright scarlet, no markings; individual flowers large and well rounded; a mass of color throughout the season; height three feet; foliage green.

Price for strong plants from 3 1/4-inch pots, 35c each; \$3 per 10; \$25 per 100; 50 at 100 rate.
Orders strictly filled in rotation.

PHOENIX NURSERY CO., 1409 N. Park St., BLOOMINGTON, ILL.

SOLE DISTRIBUTORS FOR UNITED STATES AND CANADA.

CANNAS.

Pres. McKinley,	Kronos,	Alemannia,
Pres. Cleveland,	Ad. Dewey,	Robusta,
Chas. Henderson,	Peach Blow,	Egandale,
Alphonse Bouvier,	R. Christy,	L. Vaughan,
Ex. Crampbell,	Defender,	Mlle. Berat,
Chicago,	Eisele,	America,
Duke of Marlboro,	Berckmans,	Shenandoah,
F. Vaughan,	Alsacc,	Burbank,
F. Vaughan	Black Prince,	Eldorado,
(dwarf),	Avellan,	Mme. Crozy,
Paul Marquant,	Empress of India, fine pink,	
	\$1.25 per 100; \$10.00 per 1000. Cash.	

C. G. NANZ, Owensboro, Ky.

Dormant Roses.

FIELD-GROWN. H. P.'s and Mosses. MANETTI STOCKS. Fine disbudded plants. No. 1, 2 and 3. Only in lots of 5000 and upwards. Prices and samples upon application.

Huntsville Wholesale Nurseries,
Huntsville, Ala.

MAGNOLIA GRANDIFLORA.

	Per 100
5 to 6-inch high.....	\$ 5.00
8 to 10-inch high.....	8.00
15 to 18-inch high.....	15.00
20 to 24-inch high.....	20.00

All strong pot-grown plants.

Joe Browne, Nashville, Tenn.
Lischy Nursery and Greenhouses.

AMERICAN FLORIST COMPANY'S

DIRECTORY

FOR 1904.

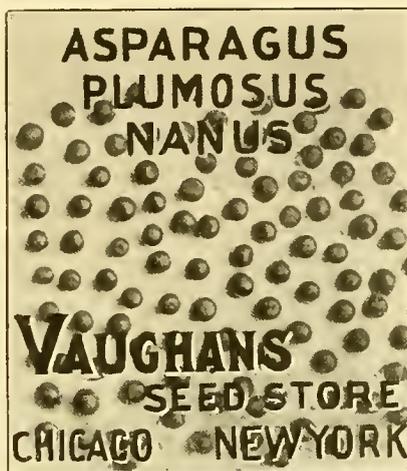
THIS 1904 Trade Directory is fully revised to date, with thousands of new names and changes of addresses. It contains 412 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada. These lists are arranged both by states and all alphabetically. It also contains lists of Firms that issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Leading Foreign Houses, and much other conveniently indexed and valuable trade information.

PRICE \$2.00 POSTPAID.

THE AMERICAN FLORIST CO.

324 Dearborn Street,
CHICAGO, ILL., U. S. A.

SEEDS for PRESENT SOWING



WE ARE HEADQUARTERS ON THIS.
WRITE US FOR PRICES ON LARGE LOTS.

Our Seed is Greenhouse Grown, Large and Plump and of Best Germination.

Asparagus Plumosus Nanus, 100 seeds, \$1.00; 1000 seeds, \$7.50.
Plumosus Robustus, 100 seeds, \$1.00; 1000 seeds, \$10.00.
Scandens Delicatus, 100 seeds, \$1.25.
Alyssum Little Gem, true, trade pkt., 10c; oz., 25c; 2 ozs., 40c.
Antirrhinum, Giant-Flowered white, Daybreak, scarlet, coral red, each, trade pkt. 10c; 1/2 oz. 20c.
ASTER, Truffaut's Peony-Flowered, white, pink, rose, scarlet, light blue, dark blue, crimson, each, trade pkt., 20c; 1/4 oz., 35c; oz., \$1.20.
Victoria, white, pink, scarlet, light blue, dark blue, crimson, each, trade pkt., 25c; 1/4 oz., 50c; oz., \$1.75. Mixed, trade pkt., 25c; oz., \$1.20.
Hohenzollern, white, trade pkt., 25c; 1/4 oz., 65c; oz., \$2.50.
Hohenzollern, Extra Early White, trade pkt., 25c; 1/4 oz., 70c.
Branching or Simple, white, rose, pink, lavender, Daybreak pink, red, purple, light blue, each, trade pkt., 10c; 1/4 oz., 20c; oz., 60c.
Upright Branching, white or pink, each, trade pkt., 10c; 1/4 oz., 25c; oz., 65c.
Branching, "Special White," trade pkt., 15c; 1/4 oz., 30c; oz., \$1.00.
Giant Comet, white, rose, lavender, light blue, dark blue, crimson, each, trade pkt., 15c; 1/4 oz., 30c; oz., \$1.20.
Queen of the Market, white, pink, scarlet, light blue, dark blue, each, trade pkt., 10c; 1/4 oz., 20c; oz., 50c.

Balaam, Alba Perfecta, best double white, trade pkt., 10c; 1/4 oz., 25c; oz., 70c.
Calla, Devonensis, new, blooms in 12 months, 100 seeds, 75c.; 1000 seeds, \$5.00.
Candytuft, Giant Hyacinth Flowered, white, trade pkt., 10c; oz., 25c; lb., \$2.50.
Carnation, Giant Margaret, white, 1-16 oz., \$1.00; trade pkt., 5 c.
Colasia, Pres. Thiers, trade pkt., 15c; oz., \$1.25. Thompsoni Magnifica, trade pkt., 10c; 1/4 oz., 25c.
Centaurea, Gymnocarpa, trade pkt., 5c; oz., 30c.
Chrysanthemum, "Morning Star," new annual yellow Marzarite, trade pkt. 10c; oz. 15c.
Dahlia, Burbank's selection, an A1 strain. 100 seeds, 50c.
20th Century, single, 100 seeds, 30c.
Daley, Shasta, 1-32 oz., 65c; trade pkt., 3 c.
Dracaena Indivisa, trade pkt., 10c; oz., 25c.
Lobelia, Bedding Queen, trade pkt., 15c; 1/2-oz., 25c.
Speciosa, for hanging bskets, trade pkt., 10c; oz., 50c.
Emperor William, trade pkt., 10c; oz., 85c; 1/2-oz., 25c.
Mignonette, Machet, trade pkt., 10c; 1/2-oz., 25c; oz., 50c.
Goliath, new, large, trade pkt., 25c; 1/4-oz., 65c.
Milmoza, Sensitive Plant, trade pkt., 10c; oz., 30c.
Moonflower, White Seeded, 100 seeds, 50c.
Early-Flowering Hybrid, oz., 40c.
Musa Ensete, (Banana plant), fresh seed, 100 seeds, \$1.00; 1000 seeds, \$5.00.
Nasturtium, Vaughan's Special Mixture of Tall oz., 1c; 1/2-lb., 20c; lb., 6c.
Vaughan's Special Mixture of Dwarf, oz., 10c; 1/2-lb., 20c; lb., 70c.
Pepper, "Christmas," our own saving, 250 seeds, 25c; 1000 seeds, 75c.
Ricinus, (Castor Bean) Zanzibarensis, oz., 10c. Sanguineus, oz., 10c. Cambodgensis, oz., 10c. Borboniensis Arboreus, oz., 10c.
Stock, Beauty of Nice, pink, new, 250 seeds, 25c; white, trade pkt., 25c.
Giant Perfection, white, blood-red, lilac, pink, each, trade pkt., 25c; 1/2-oz., 4c. White Column, trade pkt., 25c; 1/2-oz., 50c.
Sweet Peas, Emily Henderson, 1/4-lb., 10c; lb., 20c; 5 lbs., 90c.
Extra Early Blanche Ferry, 1/4-lb., 10c; lb., 20c; 5 lbs., 90c.
Contess of Radnor, 1/4-lb., 10c; lb., 25c; 5 lbs., \$1.00.
Salopian, 1/4-lb., 10c; lb., 25c; 5 lbs., \$1.00.
Blanche Ferry, 1/4-lb., 10c; lb., 20c; 5 lbs., 90c.
Sweet Sultan, (Centaurea Imperialis) white, fine cut flower, trade pkt., 5c; 1/2-oz., 25c; oz., 50c.
Verbena, Mammoth White, Mammoth Pink, each, trade pkt., 15c; 1/4-oz., 25c; oz., \$1.00. Mammoth Mixed, trade pkt., 15c; oz., \$1.00. "Vaughan's Best" Mixture, best in existence, trade pkt., 25c; 1/4-oz., 50c; oz., \$2.00.

For other Flower Seeds, see our "Book for Florists," sent free.

Vaughan's Seed Store,
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

PEACOCK'S DAHLIAS FOR 1904

Send for New Descriptive Trade List, Now Ready.

DAHLIA SPECIALIST

W. P. PEACOCK, Atco, N. J.

OUR PASTIMES.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York. Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., Chicago, Ill.

At Jamestown, N. Y.

On February 29 the two teams of the Lake View Rose Gardens Bowling Club met on the Empire alley to begin a series of thirty games for the Broadhead silver trophy. The teams are known as the Carnation Growers and Rose Growers. The following are the scores of the first series:

CARNATION GROWERS.			
Player—	1st	2nd	3rd
Savage.....	158	159	163
Walsh.....	154	144	182
Mauser.....	135	125	150
Doxie.....	113	135	118
Roper.....	133	119	118
Totals.....	693	682	731
ROSE GROWERS.			
Player—	1st	2nd	3rd
Lydon.....	139	142	149
Brooks.....	186	141	161
Adams.....	120	117	117
Eidens.....	171	117	119
McCue.....	180	135	158
Dayson.....	50	—	—
Totals.....	800	605	704

The same teams met on March 7, when the Rose Growers won two of the three games by the following scores:

ROSE GROWERS.			
Player—	1st	2nd	3rd
Lydon.....	157	186	157
Brooks.....	132	140	176
Adams.....	116	93	118
Eidens.....	125	116	109
Messenger.....	115	99	75
McCue.....	125	166	124
Totals.....	770	800	759

CARNATION GROWERS.			
Player—	1st	2nd	3rd
Savage.....	186	172	130
Walsh.....	165	171	118
Mauser.....	151	111	131
Doxie.....	137	102	108
Roper.....	105	105	102
Derosie.....	105	121	104
Totals.....	849	782	693

J. W. L.

At Chicago.

The Chicago Florists' Bowling team, through John Lambros, challenges the Chicago Florists' Club bowling team to play a match of five games either before or after Easter for a purse to be mutually decided upon. Each team is to consist of five men, and the five games to be played either in one or two evenings, and on one or more alleys in the downtown district.

The bowlers are renewing their activity on the local alleys. At the Geroux alley the following scores were made. George Asmus rolled in great form as will be seen from his score:

Player	1st	2d	3d	4th	5th
Geo. Asmus.....	205	204	163	151	184
E. F. Winterson.....	144	136	149	136	149
C. Benesh.....	93	132	94	111	104
P. J. Hauswirth.....	163	151	178	156	165
Geo. Scott.....	111	165	141	174	165
Essa.....	173	144	120	122	144
Stevens.....	147	172	147	146	—

LADIES.

Player	1st	2nd	3d
Mrs. Hauswirth.....	112	123	128
Mrs. Winterson.....	85	79	108
Mrs. Asmus.....	118	110	95

At New York.

The following scores were made by the Florists' Bowling Club on Monday evening, March 7:

Player	1st	2nd	3d	4th	5th
Siebrecht.....	144	163	133	155	170
Shaw.....	105	135	158	135	133
Nugent.....	95	75	86	100	112
Hafner.....	148	173	178	147	—
Lang.....	167	169	159	157	—
Mansfield.....	118	148	168	137	—
Roher.....	123	115	—	—	—
Traendly.....	135	157	183	141	—
Sampson.....	110	138	134	122	—
Theilmann.....	164	133	158	182	—
O'Mara.....	157	160	112	133	—
Frank.....	125	107	113	144	—
Gibbs.....	161	134	130	—	—

P. K.

Cincinnati, O.

Trade since the last writing has improved somewhat, and the local florists have no complaint to make, for there is a nice lot of stock coming in which they can buy at very reasonable prices. The glut of violets and carnations so noticeable last week seems to have left us. Especially is this true of single violets and to procure any of these the orders have to be placed in advance. Smilax and fern leaves are very scarce it being almost impossible to fill one-half the orders for these. Bulbous stock of all kinds is plentiful and there are enough roses and carnations for all orders.

The florists who were fortunate enough to attend the meeting of the American Carnation Society at Detroit last week, have returned and are proud of the record a few of our carnation growers made at the show. They say that Dick Witterstaetter has the finest lot of seedling carnations in this country.

The death of Walter Kreitling, of Chicago, was quite a shock to a good many of the craft in this city, for he was pretty well known here. The local florists take this method of extending their sympathy to the hereaved family.

A. O.

DENVER, COL.—Miss Bessie Hortop, a Sixteenth street florist, is a bankrupt. Liabilities, \$3,900; assets, \$800.

HINODE FLORIST CO.

County Road, SECAUCUS, N. Y.
And Fifth Street, WOODSIDE, N. Y.

Largest Growers of EASTER LILIES

Fine Stock on Hand. Also

Japanese Novelties

In Tiny Plan, etc.

Inspection Kindly Invited. Orders Booked Now.

E. F. WINTERSON CO.,

E. F. WINTERSON
L. H. WINTERSON
JOHN P. DEGNAN

—SUCCESSORS TO—

McKELLAR & WINTERSON.
ESTABLISHED 1894.

—HEADQUARTERS OF—

Roses, Carnations, Violets and Bulbous Stock.
"Highest Qualities" as well as "Under Grades."
Fancy and Dagger Ferns, Galax Leaves, Wild
Smilax, Etc.

ADDRESS ALL CORRESPONDENCE TO
45-47-49 Wabash Ave., CHICAGO.

SUPPLIES.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

MANUFACTURERS OF

**"Perfect Shape"
Wire Work.**

A DAILY SUPPLY FROM 40 GROWERS

And we are "ON DECK" 14 hours each week day and 6 on Sunday to take care of your wants. Write, telephone or telegraph. Our prices will always be found consistent with the market.

New Rose General MacArthur

Hybrid Tea.

Color by far the most brilliant of any shade of crimson forcing rose ever offered, retaining its brilliancy when fully expanded. It is also one of the very sweetest varieties ever offered, of very easy culture, as it can be grown in the same temperature as an ordinary Tea variety such as Bride. It is a good, strong, vigorous grower, producing stems 24 to 30 inches long, a free and continuous producer. It can be grown at much less cost than Meteor or Liberty and is a much brighter color than either. Also larger when fully expanded. We predict that this will be the red rose for the multitude. Ready for distribution April 1, 1904.



PRICES:

From 2 1-2-inch Pots. Own Roots.	Per Dozen
\$ 8.00	25
10.00	50
15.00	100
25.00	250
57.50	500
110.00	per 1000
200.00	per 1000

Extra strong 3-inch stock at \$4.00 per 100 additional to above figures.

Grafted Plants from 2 1-2-inch Pots.	Per Dozen
\$ 7.00	25
12.00	50
18.00	100
32.00	250
72.50	500
140.00	per 1000
280.00	per 1000

Extra strong 3-inch stock at \$4.00 per 100 additional to above figures.

PRICES:

NEW CASTLE, IND., Feb. 26, 1904.
 Our attention was called to the Rose, Gen. MacArthur, three years ago, by the originator, who then had only the one plant. We liked its looks very much, and last year secured 25 plants from The Storrs & Harrison Co. for trial. We cut fine flowers from them all winter, and made 600 cuttings which we are growing this winter. We commenced cutting good flowers from them in November and have done so continuously ever since, it being distinctly a winter rose. At this date the bench is a fine sight. The plants are from two to three feet high, and are sending out flowering shoots which are most all one to two feet in length, although quite a number are three feet or more. It has the most beautiful large lustrous foliage, and most abundant of any rose we have ever seen. The flower is a brilliant red, and has a very fine odor. We find it the best Red Rose we have ever grown. While not as fine a flower as Liberty, with us it is much healthier and so much freer flowering that we prefer it. We have it growing in the same house as Bridesmaid.
 Yours truly,
 HELLER BROS.

The STORRS & HARRISON CO.
 PAINESVILLE, OHIO.

JOHN N. MAY,
 SUMMIT, N. J.

Indianapolis.

The March meeting of the I. S. F. A. was well attended, comparing it with previous meetings, but there should have been twice as many members present. John Rieman's paper on "How to handle cut flowers," was one of the best papers we have had for a long time. Mr. Rieman brought with him a large box of roses and carnations in all kinds of conditions which he used as illustrations. There is nothing commonplace about John's papers. He has a style all of his own, that makes listening highly interesting. The reading of this paper was followed by a lively and interesting discussion.

The twenty-fifth business anniversary of the Bertermanns was a grand success. Members of the family, a few personal business friends and employes were invited. Almost everybody present made speeches, many of which will be long remembered. John Bertermann was presented with a handsome chair by his employes.

A street car collided with G. C. Lang's wagon March 5. Mrs. Lange who was going home from market was thrown to the street and severely injured, and the wagon was demolished.

Ed. Bertermann, who has been on the jury, is back to his place of business again, brimming over with jury jokes and yarns.

John Bertermann, A. Baur, J. Hartje and H. Rieman are back from Detroit, reporting the best time of their lives.

Ernst Huckriede & Sons have an unusual fine lot of lilies which apparently will be just right for Easter.

Frank Herritt has opened a flower stand on the corner of Market and Illinois streets.

Frank Soult, for many years with John Heidenreich, is now with A. Wiegand & Sons.

Herman D. Schilling has bought Aug. Hoheisel's place in Haughville.

Mrs. E. A. Nelson, who has been sick, is convalescent. H. J.

Toronto, Ont.

There has been a gratifying increase in trade the last few days, no doubt due to the better weather. The days of sunshine with which we have been favored are having a good effect on roses. Bride and Bridesmaid are becoming more plentiful, though American Beauty and Meteor are still scarce. All other stock, especially violets, is plentiful enough to meet all demands, and if any quantity is wanted the growers will certainly offer good inducements as far as price is concerned.

The death of several prominent citizens has again brought forth the "crepe chaser." We had thought from recent comment in the papers that this means of obtaining orders would be dispensed with, but, alas for our joy, the "crepe chaser" is worse than ever.

W. J. Gammage, of London; Arthur Ewing, of Woodstock; Thomas Manton, of Eglinton; Walter Muston, of Davisville, and John H. Dunlop, are all enroute to Ottawa where they will attend the executive meeting of the Canadian Horticultural Association.

Railroads are nearly all open, and shipments are getting through in better shape. Some lines have been blocked for over ten days, and many orders for flowers were cancelled.

H. G. D.

NEW ROSES..

Cardinal.

A cross between Liberty and unnamed Carmine Seedling. A strong, robust grower, with large massive crimson flowers, deliciously fragrant, never shows an open center. Keeping qualities first-class. Price, 2 1/2-inch pots, \$30.00 per 100.

Enchantress.

A cross between Testout and unnamed Seedling. The most prolific bloomer under glass. Makes no blind wood and never stops growing. Every shoot produces a handsome, clear pink flower, which never fades out. A good keeper. Prices, 2 1/2 and 3-in. pots, \$30 per 100.

NOT LESS THAN FIFTY SOLD AT PRESENT. CASH WITH ORDER. STOCK LIMITED.

JOHN COOK, 318 N. Charles St., BALTIMORE, MD.

Please mention the American Florist when writing

NEW WHITE CARNATION FOR 1904.

The Bride

This variety was the winner of the first prize for best 100 white at the Carnation Convention Show in Brooklyn last February and is unquestionably the best white in sight.

PRICE, \$2.50 per Dozen; \$12.00 per Hundred; \$100.00 per Thousand.

JOHN N. MAY, Summit, N. J.

ROSE PLANTS.

STRONG STOCK FROM 2 1/2-INCH POTS. READY NOW.

Table with 4 columns: Name, Price per 100, Price per 1000, Name, Price per 100, Price per 1000. Includes Uncle John, Chatenay, American Beauty, Sunrise, Bridesmaid, Bride, Golden Gate.

ROSE CUTTINGS. Well Rooted.

Table with 4 columns: Name, Price per 100, Price per 1000, Name, Price per 100, Price per 1000. Includes American Beauty, Bridesmaid, Bride, Golden Gate.

THE BENTHEY-COATSWORTH COMPANY, 35 Randolph St., CHICAGO.

Louise Naumann

If you are looking for a first-class commercial dark pink, one that would produce first-class blooms in abundance all the year around, buy the LOUISE NAUMANN. It is a bread and butter Carnation. There is nothing freer in sight. Strong Rooted Cuttings Ready Now. \$8.00 per 100; \$70.00 per 1000. G. M. NAUMANN, 1537 Doan St., Cleveland, O.

Rooted Carnation Cuttings

Table with 2 columns: Name, Price per 100. Includes Enchantress, Queen, Fair Maid, Lawson.

Mrs. Fisher Carnations

For Summer Blooms, 2-inch stock, \$2.50 per 100; \$20.00 per 1000. Fancy 3-inch Sprenger, worth \$5.00, to close out at \$3.50. Write.

H. F. LITTLEFIELD, WORCESTER, MASS.

GEO. A. KUHL, Pekin, Ill.

If You Have Stock to Sell..

the best way to make that fact known to the trade is by regular advertising in

...The American Florist.

Give it a trial.

100,000 Grafted Rose Plants

We are now grafting on Manetti the above amount on all selected flowering wood. No Blind wood used at all. We offer for sale ready for delivery April 1st.

BRIDE AND BRIDESMAID, \$12.00 per 100; \$100.00 per 1000.
LIBERTY, \$15.00 per 100.

If you wish to grow better grade roses, give grafted stock a trial.

ROOTED CUTTINGS. The Very Best Commercial Varieties.

All of our cuttings are selected carefully and we try to see how good we can make them, not how cheap.

ROSES ROOTED CUTTINGS, Brides, Bridesmaids and Gates, \$1.50 per 100. Kaiserin and Perle, \$2.50 per 100.
CHATENAY ROSE PLANTS, 2½-inch pots, \$6.00 per 100; \$50.00 per 1000. Ready March 1.

CARNATIONS ROOTED CUTTINGS

WHITE.		PINK.		RED.	
Per 100	Per 1000	Per 100	Per 1000	Per 100	Per 1000
Lillian Pond.....	\$3.50 \$30.00	Lawson.....	\$2.50 \$20.00	Red Bradt.....	\$2.50 \$20.00
Gov. Wolcott.....	3.50 30.00	Morning Glory.....	2.50 20.00	Crane.....	2.50 20.00
White Bradt.....	2.50 20.00	Floriana.....	2.50 20.00	America.....	2.50 20.00
White Cloud.....	2.50 20.00	Enchantress.....	6.00 50.00	VARIEGATED.	
Norway.....	2.50 20.00	Joost.....	2.50 20.00	Prosperity.....	2.50 20.00
				Mrs. Bradt.....	2.50 20.00

Yellow—Gold Nugget, \$2.50 per 100; \$20.00 per 1000. Maroon—Maceo, \$2.50 per 100; \$20.00 per 1000. Orders aggregating 250 or more will be billed at the 1000 rate. No order for less than 50 of one variety accepted. All cuttings and plants shipped from Hinsdale.

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

500,000 Unrooted Carnation Cuttings...

WHITE.			YELLOW.			
	Per 100	Per 1000	Per 100	Per 1000	Per 5000	
QUEEN LOUISE.....	\$.55	\$ 5.00	\$.75	\$ 6.00	\$25.00	
NORWAY.....	.55	5.00	.55	5.00	23.00	
			.60	5.25	25.00	
PINK.			VARIEGATED.			
ARGYLE.....	.55	5.00	23.00	VIOLINIA, 4-inch bloom, fine.....	6.00 50.00	
MERMAID.....	.55	5.00	23.00	MARSHALL FIELD.....	1.50 12.50 60.00	
MARQUIS.....	.55	5.00	23.00	STELLA.....	1.50 12.50 60.00	
LAWSON.....	1.00	8.00	35.00	MRS. BRADT.....	1.00 7.50 35.00	
CRESSBROOK.....	.75	6.00	25.00	ARMAZINDY.....	.55 5.00 23.00	
SUCCESS.....	1.00	8.00	35.00	SCARLET.		
				AMERICA.....	.55 5.00 23.00	
				MRS. P. PALMER.....	.55 5.00 23.00	
				APOLLO.....	.55 5.00 23.00	

Cash or C. O. D. with privilege of examination. Express prepaid at above prices.

—SEE R. C. CARNATION PRICES IN BACK ISSUES.—

California Carnation Co.

LOCK BOX
103.

LOOMIS, CAL.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
 Store No. 3 Post Office Aroads, BRIDGEPORT, CONN.
 Greenhouses, 2182 Park Ave. David S. Beach, Prop.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50

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

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans, it will be found a most valuable guide. \$4.00.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. Price 25 cents.

STEAM HEATING FOR BUILDINGS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated; 250 pages. \$1.00.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful practical florist. Illustrated. \$2.00.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with a classification of all the leading varieties. \$1.25.



Indianapolis

The best bright pink carnation in sight. Come and see it growing. Awarded Certificate of Merit Indiana State Florists' Ass'n, Jan. 12, 1903. Scored 85 points Chicago, Nov. 18, 1903. Certificate of Merit, Cincinnati Florists' Club, Jan. 9, 1904. Certificate of Merit, Indiana State Florists' Ass'n., January 12, 1904. What more could you ask? \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

A FINE LOT OF STANDARD SORTS.

Per 100		1000	
McKinley	3.00	Floriana	2.00 18.00
Harlowarden	5.00	Q. Louise	2.00 18.00
Her Majesty	5.00	E. Crocker	1.50 12.50
Flora Hill	1.50 12.50	Lawson	2.00 18.00
Crane	2.50 20.00	G. Roosevelt	2.00
Estelle	3.00 25.00	P. Palmer	3.00
W. Cloud	1.50 12.50	E. A. Nelson	3.00
Lorna	2.00 18.00	Apollo	3.00
Viola Allen	3.00 25.00		

BAUR & SMITH,
 330 W. 38th St., Indianapolis, Ind.

STRONGLY ROOTED

CARNATIONS NOW READY

GROWN OUT OF DOORS AND ROOTED WITHOUT HEAT.

WHITE.		Per 100		1000		SCARLET.		Per 100		1000	
Queen Louise	1.20	10.00	J. H. Manley	3.50	30.00						
Flora Hill	1.20	10.00	G. H. Crane	1.20	10.00						
Alba	2.50	25.00	America	1.20	10.00						
Gov. Wolcott	3.40	30.00	Mrs. Palmer	1.20	10.00						
Norway	1.00	9.00	Apollo	3.50	30.00						
Lillian Pond	5.00	45.00	Adonis	7.00	65.00						
Chicot	1.00	9.00	CRIMSON.								
Viola Allen	2.50	20.00	Harlowarden	5.00	45.00						
PINK.						Gov. Roosevelt	1.50	11.00			
Mrs. T. W. Lawson	1.40	12.50	YELLOW.								
Mrs. Joost	1.00	10.00	Eldorado	1.00	9.00						
Mermaid	1.20	10.00	VARIATED.								
Mrs. Roosevelt	6.00	55.00	Marshall Field	3.00	25.00						
Success	2.50	20.00	Stella	3.00	25.00						
President McKinley	3.00	25.00	Armazindy	.90	8.00						
Crossbrook	2.50	20.00	Prosperity	1.40	12.00						
25 of any one kind at 100 prices. 250 at 100 prices.						Gaiety	2.00	18.00			

We prepay express charges and will ship C. O. D. with the privilege of examination, we assuming all the responsibility of Cuttings arriving in good condition and proving satisfactory.

Loomis Floral Co., LOOMIS, CAL.

CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

Per 100		Per 1000		Per 100		Per 1000	
FLORA HILL	\$2.50	\$20.00	PERU	3.00	25.00		
THE SPORT	2.50	20.00	WHITE CLOUD	2.50	20.00		
MRS. LAWSON	3.00	25.00	AMERICA	2.50	20.00		
MRS. HIGINBOTHAM	3.00	25.00					

ROSE CUTTINGS.

BRIDE	\$12.50 per 1000	IVORY	\$12.50 per 1000
BRIDESMAID	12.50 "	GOLDEN GATE	12.50 "

Lots of 500 at 1000 rate.

SINNER BROTHERS,

Wholesale Cut Flowers,

58-60 Wabash Avenue,

CHICAGO.

Please mention the American Florist to advertisers.

AMERICAN FLORIST CO.,

324 Dearborn Street,

CHICAGO.

Worcester, Mass.

The first exhibition of the Horticultural Society held on March 3 was the best opening show ever given by the society. Especially fine were the azaleas, shown by Lange and Littlefield, measuring four to five feet in diameter. The display of carnations was good. Splendid exhibits of cyclamens, primulas, cinerarias, orchids, hyacinths and begonias were staged and also a fine collection of cut flowers. H. F. A. Lange won first on cut flowers, carnations, three azalea plants and hyacinths; P. W. Moen first on cinerarias, cyclamens and primulas; M. J. Whittall, first on Begonia Gloire de Lorraine; Mrs. J. C. Whitin, first on orchid plants and cut orchids; H. F. Littlefield, first on one azalea plant and E. W. Breed first on one cyclamen plant.

The annual meeting of the Massachusetts Fruit Growers' Association was held at Horticultural Hall March 9 and 10 and the interesting lectures and discussions by prominent horticulturists were enjoyed by a large attendance. There was a fine display of fruits and vegetables and an interesting exhibition of models of hen houses, hotbeds and blue prints of gardens, illustrating the work done by the boy inmates of the County Truant School.

The annual reunion of the Worcester County Horticultural Society was held March 9. Officers of the prominent horticultural societies were entertained at the banquet and dancing followed.

Business is quiet. S. H. L.

Springfield, Mass.

Business, considering Lent, is good, there being a good demand for cut flowers of all kinds. Bulbous stock has sold well this season and more will be grown the coming year. Roses and carnations are plentiful and of fair quality. Violets find ready sale. Design work has kept the store men busy. Growers are busy getting flowering plants ready and from the present outlook there will be plenty to go around for Easter trade. Reports are that lilies will be scarce, but they usually show up on time. All are anxiously waiting for spring as this has been the hardest winter greenhouse men have seen in this section for years.

A. B.

CARNATION PLANTS.

Mrs. Francis Joost, pink, 1,500, 2x2-inch pots, \$2.00 per 100; \$17.00 per 1000; the lot for \$24.00. Will exchange for Geraniums, Ferns, Palms, etc. What have you? The above is cool-grown, healthy stock. Satisfaction guaranteed.

N. J. FLINT, Richmond, Mo.

50,000 Well Rooted Carnations.

Cuttings now ready. Enchantress, \$6.00 per 100. Harlowarden, \$5.00 per 100. Lawson and Craze, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. ROSES, Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

American Beauties

We have a fine lot in 2 x 2 1/2-inch that will be ready to go out early in March. Get your order in at once and we will send you fine stock and guarantee satisfaction.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

The WHITE LAWSON. The Most Valuable White Carnation.

When one considers that about a third of all the carnations grown to-day are LAWSON, the value of a WHITE LAWSON will be at once apparent, and it will undoubtedly stand as far ahead of all white carnations as LAWSON stands ahead of all pink carnations for commercial or private use.

Nothing need be said in praise of WHITE LAWSON except to state that it is a sport of MRS. THOS. W. LAWSON, and is as good as that variety in every respect, with all its remarkably free blooming qualities, but is pure white. No extended description is necessary; its value will appeal at once to every carnation grower.

This originated with Mr. Charles Allen, Floral Park, N. Y., and recognizing at once its great value to the trade we purchased his entire stock. As there are other stocks of White Lawson offered, in order to secure this superior stock, the value of which has been established, order from us, as

WE CONTROL THIS ENTIRE STOCK

As the demand for this is very great and stock somewhat limited, in order to secure early delivery orders should be placed without delay. We can now offer for early March delivery Strong Rooted Cuttings, \$12.00 per 100; \$100.00 per 1000.

Send for our Wholesale Price List, giving list of other novelties—Flamingo, Mrs. M. A. Patten, Nelson Fisher, Etc., also other choice standard sorts. We have, also, an extra fine lot of

NEW CHRYSANTHEMUM DR. ENGUEHARD. THE FINEST COMMERCIAL PINK CHRYSANTHEMUM EVER INTRODUCED.

We were awarded for this first prize for the best six blooms, any new pink variety, at the Chrysanthemum Show in New York. This is going to be in pink chrysanthemums what COL. D. APPLETON has been in yellow and TIMOTHY EATON in white. It is a fine commercial flower of the largest size and an ideal color; fine, large, compact blooms, of great substance; a fine shipper; something that has long been wanted in pink chrysanthemums. It has grand foliage, is an easy "doer," and a phenomenal variety in every respect.

As the demand for this is enormous, it would be advisable to place orders without delay. As orders are filled in rotation, the earlier order is placed, the earlier delivery we can make. Certified by the C. S. A., having scored as high as 95 points. 50c each; \$5.00 per dozen; \$30.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

The Queen Best Commercial White CARNATION. Rooted Cuttings, X X X Stock \$5.00 per 100; \$45 per 1000. FLATBUSH, BROOKLYN, N. Y., January 28, 1904.

JOHN BARR, South Natick, Mass. DEAR SIR:—The rooted carnation cuttings of "Queen" came to hand safely, and are nice, clean, well rooted stock—in short, all we could desire. Truly yours, DAILLEDOUZE BROS.

Send for Descriptive Circular and Price List. JOHN BARR, South Natick, Mass.

Eaton and Appleton

In quantity, strong 2 1/4-inch plants, \$2.50 per 100; \$20.00 per 1000. Will exchange for healthy rooted Carnations of Adonis, Estelle or Flora Hill.

A. RASMUSSEN, New Albany, Ind.

CARNATION CUTTINGS.

We now have ready good, well-rooted Cuttings, from the following varieties:

Enchantress.....	100 1000	Eldorado.....	100 1000
Fair Maid.....	\$6.00 \$50	Manley.....	\$2.50 \$20
Fragrance.....	3.00 25	Adonis.....	4.00 30
The Queen.....	6.00 50	Adonis.....	4.00 30
Boston Market..	5.00 40	Lawson.....	2.50 20
Gov. Wolcott....	4.00 30	Joost.....	2.50 20
Bradt.....	5.00 40	Harlowarden..	6.00 50
Prosperity.....	3.00 25	Harry Fenn...	5.00 40
	2.50 20		

NEW VARIETIES FOR 1904—

Nelson Fisher.....	100 1000
Mrs. M. A. Patten.....	\$12.00 \$100.00
	12.00 100.00

All selected cuttings from healthy stock. Send in your order now and secure early delivery.

BACKER & CO., Long Dis Tel. BILLERICA, MASS.

CARNATIONS

Rooted Cuttings. Ready Now.

	Per 100	Per 1000
QUEEN LOUISE.....	\$1.50	\$12.50
LILLIAN POND.....	5.00	40.00
ETHEL CROCKER.....	1.50	10.00
MRS. E. A. NELSON.....	2.00	15.00
FLORIANA.....	1.50	12.50
ENCHANTRESS.....	6.00	50.00

Send for estimates on complete order and list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

CARNATIONS

NOW READY. A FINE LOT OF HIGH GRADE CUTTINGS.

	Per 100	Per 1000
Enchantress.....	\$6.00	\$50.00
Lillian Pond.....	5.00	40.00
The Queen.....	5.00	40.00

HELIOTROPES

Extra fine, well branched plants from 2-inch pots. \$2.00 per 100; \$18.00 per 1000.

LARCHMONT NURSERIES, Larchmont, N. Y.

NEW LIGHT PINK CARNATION

"NEW DAYBREAK"

To the commercial grower who is looking for profit, this variety is all that its name implies, and will at once commend itself as the old Daybreak reincarnated without its faults. Color, true Daybreak shade, of Daybreak and Scott extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms, large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper. Price, \$3.00 per doz.; \$12.00 per 100. \$100.00 per 1000. OTHER NEW AND STANDARD VARIETIES.

Chrysanthemums, The best American and foreign varieties and best standard sorts. Write for Price List.

H. WEBER & SONS, Oakland, Md. Please mention the American Florist when writing.

Buffalo, N. Y.

Buffalo lost a young and enterprising florist from the east side when Joseph Stafflinger, who had greenhouses on Parade avenue, and a store on Seneca street, died. He was ill for two weeks with brain fever. He had a good business and was well liked, and will be missed by all. He was aged thirty-two years and leaves a wife.

Buffalo has an automobile exhibition this week, and Palmer has an automobile in each of his store windows. The one at the upper store was made of Lawson and white carnations, with a galax border. The lower store had a much smaller one, made of pink and white carnations and smilax.

On their return from Detroit we had a call from Wm. Nicholson, Framingham, Mass.; E. N. Pierce, of E. N. Pierce & Son, Waltham, Mass.; Wm. Swayne, Kennett Square, Pa., and last but not least the conductor of the party, the only Patrick Welch, of Boston, looking younger than ever.

William Legg has sold his greenhouses to Michael Bloy, a former Buffalo boy, but lately of Cleveland. We wish him success I do not know what Mr. Legg's intentions are, but a rest will do him good, as his health has been bad lately.

The opening of a large furniture store last week called forth a large number of flowers, consisting of roses, carnations, daffodils and tulips, which were given away to customers. The stock was supplied by J. B. Wiese, of the Chippewa market.

The usual contingent, excepting D. B. Long, was at Detroit, and from reports all had a good time. W. J. Palmer has not had enough, so goes to Chicago to finish up. He is entitled to a vacation.

S. A. Anderson has a full-sized Pierce motorette trimmed. The wheels, dash, mud guards and seat are trimmed with yellow daffodils, which make a good showing.

S. A. Anderson made a hurried trip to Pittsburg, Pa., Friday. It was purely a social trip, as he is a canoeist and must take in the banquets.

George Stafflinger, a florist of Springville, has been appointed superintendent of the German and French cemetery in Buffalo.

From reports there were in attendance at Detroit: Wm. Scott, W. F. Kasting, W. J. Palmer and C. T. Guenther.

Trade the last week has not been startling. Stock is in good supply, but the demand poor.

George D. Hale, of Elmwood avenue, has the palm and bunting decorations for the automobile show.

Palmer's Red Lawson scored \$7 in Detroit, and is certainly a good flower and a good keeper. Bison.

Providence, R. I.

Violets, violets everywhere and at all prices. Local florists have advertised these flowers at varying figures, but the over-supply does not work off; 35 to 50 cents per hundred secures the finest stock at wholesale. Roses are beginning to crop out and should be in full cut at Easter. Carnations are fully equal to the demand at \$1 to \$2 per hundred. Greens are very scarce and the outlook is not encouraging for a regular supply. Macnair has been in New York all week arranging for an Easter supply of hardy ferns. Business is only moderate.

M.

"A Wee Wail From The Woods(man)"

"QUALITY COUNTS"

("Thal's All.")

This stock can be had **ONLY** direct from the
introducers or their Agents:

J. B. DEAMUD, Chicago, Ill.	W. F. KASTING, Buffalo, N. Y.
LEO. NIESSEN, Philadelphia, Pa.	GEO. M. KELLOGG, Kansas City, Mo.
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.	REED & KELLER, New York City.
HOLTON & HUNKEL, Millwaukee, Wis.	H. G. BERNING, St. Louis, Mo.
BARTELDES & CO., Denver, Colo.	

Caldwell The Woodsman Co.

EVERGREEN, ALABAMA.

Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

PINK.	Per 100	1000	RED.	Per 100	1000
Enchantress.....	\$6.00	\$50.00	Estelle.....	3.00	25.00
Morning Glory.....	2.00	15.00	Harlowarden.....	3.00	25.00
Higinbotham.....	1.50	12.50	WHITE.		
Lawson.....	1.50	12.50	Her Majesty.....	3.00	25.00
Guardian Angel.....	1.25	10.00	White Cloud.....	1.50	12.50
Cressbrook.....	1.50	12.50	Flora Hill.....	1.50	12.50
			Queen Louise.....	1.50	12.50
RED.			Norway.....	1.50	12.50
Palmer.....	\$2.00	\$15.00			

Rooted Rose Cuttings.

	Per 100	1000		Per 100	1000
Bride.....	\$1.50	\$12.50	Golden Gate.....	\$1.50	\$12.50
Bridesmaid.....	1.50	12.00	Meteor.....	1.50	12.50
Ivory.....	1.50	12.50	Liberty.....	3.00	25.00

WIETOR BROS., Wholesale Growers of
Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

VESPER

Finest white Carnation on Market this year; flowers 3 in. to 3 1/4 in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

	Per 100	Per 1000		Per 100	Per 1000
Adonis.....	\$7.00	\$50.00	Lawson.....	\$2.50	\$20.00
Enchantress.....	6.00		Queen Louise.....	2.50	20.00
McKinley.....	4.00	30.00	Mrs. Bradl.....	2.50	20.00
Estelle.....	4.00	30.00	Flora Hill.....	2.00	15.00
Nelson.....	3.50	30.00	Mrs. Joost.....	1.50	12.50

—CASH. NO C. O. D.—

Wm. C. SMITH, 61st & Market Sts., Philadelphia, Pa.

ROOTED CARNATION, 'MUM and ROSE CUTTINGS Special low Quotations.
We need the Room.....

Gov. Wolcott, fine stock	\$2.50	\$20.00	Bradt, Mrs. George.....	\$2.20
Lillian Pond, white.....	2.50	20.00	Palmer.....	2.20
Prosperity.....	2.00	16.00	Flora Hill.....	1.50
Gov. Roosevelt.....	2.50	20.00	Enchantress.....	5.00
Higinbotham.....	2.50	20.00	Lawson.....	2.00
Lorna.....	2.50	20.00		

We have 7,000 2 1/4-in. \$2.25 per 100 Merry Christmas 'Mums fine stock. Will make money for any one. Other standard 'Mums ready in April, May, June, July.

We are booking orders for 2 1/2-in. Maid, Bride, Gate, Ivory, Perle, and Chateanay, May 1 delivery. Stock guaranteed to please.

POEHLMANN BROS. COMPANY, Morton Grove, Ill.

Successful Growers are Wanted

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

CARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the following varieties:

Per 100	1000	Per 100	1000
Oriole.....\$1.50	\$12.50	Joost.....\$1.20	\$9.00
Portia.....1.20	9.00	America.....1.50	12.50
Lorna.....1.50	12.00	Flora Hill.....1.50	10.00
W. Cloud...1.50	12.50	Mrs. Palmer...1.50	12.50
Q. Louise...1.50	12.50	Mrs. L. Ine...1.50	10.00

ROSE CUTTINGS.

Choice well-rooted stock.	Per 100	1000
Bridesmaid.....	\$1.25	\$12.00
Bride.....	1.25	12.00
Mme. Chateau.....	3.50	30.00
American Beauty.....	3.00	22.50
Golden Gate.....	1.25	12.00

ROSE PLANTS.

Strong stock in 2 1/2-in. pots.	Per 100	1000
Bridesmaid.....	\$2.75	\$22.50
Bride.....	2.75	22.50
Golden Gate.....	2.50	20.00
Stock Beaufee, (2-year old).....	\$10.00	per 100
Stock Liberty, (2-year old).....	10.00	per 100
Asparagus Plumosus, 3-inch pots.....	\$5.00	per 100
Asparagus Sprenger, 3-inch pots.....	4.00	per 100

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center, Illinois.
Please mention the American Florist when writing.

EXTRA GRADE

Carnation Cuttings.

READY TO SHIP.

We are supplying the following varieties with stock, guaranteed perfect in every respect at the following prices:

Pink	Per 100	1000	White	Per 100	1000
Lawson.....\$1.75	\$15.00	Glacier.....\$1.75	\$15.00		
Marquis.....1.50	12.50	White Cloud...1.50	14.00		
Joost.....1.25	10.00	Flora Hill.....1.50	12.00		
Dorothy.....1.50		Variegated.....			
Scarlet.....		Prosperity.....1.50	14.00		
Crane.....1.75	15.00				

Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. CASH.

The W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

CARNATION CUTTINGS.

Per 100	1000
Enchantress.....\$6.00	\$50.00
Queen.....5.00	40.00
Lillian Pond.....5.00	45.00
Prosperity.....2.50	20.00
Lawson.....2.50	20.00
Cressbrook.....2.50	20.00
Challenger.....2.50	20.00
Fair Maid.....3.00	25.00
Harry Fenn.....5.00	40.00
Gen. Maceo.....2.50	20.00
Queen Louise.....2.00	15.00
Bradt.....3.00	25.00

C. WARBURTON, Fall River, Mass.

Carnations

ROOTED CUTTINGS.

Orders booked now for next season's delivery of all the leading varieties. Send us a list of what you want and get prices that are right.

Chas. Chadwick, L. Box 11, Grand Rapids, Mich.

Rooted Cuttings. Verbenas, 25 var., good ones, 60c per 100; \$5.00 per 1000. Heliotrope, good varieties, \$1.00 per 100, \$8.00 per 1000. Coleus, all the best, 70c per 100; \$6.00 per 1000. Ageratums, 60c per 100; \$5.00 per 1000. Salvias, \$1.00 per 100; \$8.00 per 1000. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Pelargoniums, \$2.25 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write **S. D. BRANT,** The Clay Center Florist, Clay Center, Kansas.

CARNATIONS.

Per 100	Per 1000
ENCHANTRESS.....\$6.00	\$50.00
FAIRMAID.....3.00	20.00
GOV. WOLCOTT.....3.00	20.00
BOSTON.....4.00	30.00
MRS. T. W. LAWSON.....3.00	20.00

HENRY A. STEVENS CO., Dedham, Mass.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

Per 100	Per 1000	Per 100	Per 1000
Flamingo, March delivery.....	\$12.00	\$100.00	
Lady Bountiful.....	12.00	100.00	
The Belle.....	12.00	100.00	
Indianapolis.....	12.00	100.00	
Nelson Fisher, March delivery....	12.00	100.00	
Mrs. M. A. Patten.....	\$12.00	\$100.00	
White Lawson, March delivery....	12.00	100.00	
Albatross, March delivery.....	10.00	80.00	
Crusader.....	10.00	80.00	
Reliance.....	10.00	80.00	

CHOICE VARIETIES.

Per 100	Per 1000	Per 100	Per 1000
Enchantress.....\$6.00	\$50.00	Harlowarden.....	\$6.00
Este le.....4.00	30.00	Lillian Pond.....	5.00
Fragrance.....6.00	50.00	Mrs. Theo. Roosevelt.....	5.00
Golden Beauty.....5.00	40.00	Pres. McKinley.....	5.00
Gov. Lowndes.....5.00	40.00	The Queen.....	5.00
Gov. Wolcott.....4.00	40.00	White Bradt.....	6.00

STANDARD SORTS.

Per 100	Per 1000	Per 100	Per 1000
America.....\$1.75	\$15.00	Morning Glory.....	\$2.50
Cressbrook.....4.00	30.00	Mrs. F. Joost.....	1.75
Enquirer.....2.50	20.00	Mrs. H. N. Higinbotham.....	4.00
Ethel Crocker.....1.75	15.00	Mrs. E. A. Nelson.....	4.00
Flora Hill.....1.75	15.00	Mrs. Potter Palmer.....	3.00
Genevieve Lord.....1.75	15.00	Mrs. Thos. W. Lawson.....	2.50
G. H. Crane.....2.50	20.00	Norway.....	1.75
Gov. Roosevelt.....3.50	30.00	Prosperity.....	2.50
Lorna.....3.00	25.00	Queen Louise.....	1.75
Marquis.....1.75	15.00	White Cloud.....	1.75

DORMANT CANNAS.

Strong 2-3 eyed bulbs. TRUE STOCK.

Per 100	Per 1000
Allemania.....\$3.00	\$30.00
Burbank.....2.00	20.00
Black Beauty.....7.00	70.00
Chas. Henderson.....2.00	20.00
Chicago.....6.00	60.00
Duke of Marlborough.....2.00	20.00
David Harum.....6.00	60.00
Egandale.....4.00	40.00
Leonard Vaughan.....4.00	40.00
Mme. Louis Druz.....	\$ 2.50
Mile. Berat.....	2.50
Mme. Crozy.....	2.00
Monsieur Jarry Desloges.....	3.00
Mrs. Kate Gray.....	5.00
Mont Blanc.....	20.00
Pennsylvania.....	5.00
Red Indian.....	5.00
Secretaire Chabanne.....	2.00

The following sorts \$1.00 per 100:

Exp. Crampbell	L. Patry	Paul Marquant
Francois Reif	Mme. Alfred Blanc	Partenope
J. Aymard	Mme. Celestin Dubost	President Carnot

CHRYSANTHEMUM PLANTS

2 1/2-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow.	Omego, best early yellow.
Timothy Eaton, mammoth white.	John K. Shaw, early bright pink.
Major Bonnaffon, yellow.	Yellow Mrs. Jerome Jones, bright lemon yellow.
Mrs. Perrin, pink.	Ivory, early white.
May Foster, white, fine for pot plants.	Miss Agnes L. Dalskov, early pink.

CHOICE SORTS.

Per 100	Per 1000
Estelle—Early white, good for cut flow-ers or pot plants.....	\$4.00
Marian Newell—Almost pure pink, very large	4.00
Columbia—Pink, lighter than Morel.....	8.00
Mrs. J. J. Mitchell—Clear cream color.....	4.00
Amarito—Bright satin pink, finely incurved	4.00

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

Please mention the American Florist when writing.

The BEST New Scarlet Carnation

The CARDINAL

Winner of First Prize for 100 scarlet and S. A. F. Medal and Certificate at Detroit. To be Disseminated next season by

CHICAGO CARNATION CO., James Harlshorne, Joliet, Ill. Manager,

—AND—

WM. MURPHY, 130 E. 3rd St., Cincinnati, O.

at following rates, \$12 per 100; \$100 per 1000.

OUR DIRECTORY FOR 1904 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

Our _____
**Special
 Spring
 Number**

What They Say:

TWICE AS GOOD AS OTHERS.

ED. AM. FLORIST:—The adv. in your paper brought more than twice the amount of orders of any other paper. Greene, N.Y.. THE PAGE SEED CO.



HIS BEST INVESTMENT.

ED. AM. FLORIST:—My first dollar invested in the FLORIST has proved to be the best investment I ever made. Fremont, Neb. C. T. C. LOLLICH.



SWAMPED WITH ORDERS.

ED. AM. FLORIST:—Please do not again print our 4-inch advertisement for carnation plants. One insertion sold them all, in fact brought orders for several times our surplus. Hughsonville, N.Y. A. LAUB & SONS.

**THE BEST
 Easter and Spring
 BUSINESS**

SECURED BY _____

ADVERTISING IN
THE AMERICAN FLORIST.

**NO WASTE
 NO FICTITIOUS INQUIRIES.**



IT IS BUSINESS that pays the advertiser, and this publication **goes to buyers of stock in all lines.** The seasonable and permanent value of our Special Numbers for advertising purposes is well known.

Our Special Numbers are read, preserved and re-read. Advertisements in body pages will be taken at our ordinary rates, namely, \$1.00 per inch, \$30.00 per page of thirty inches, with the usual discounts on time contracts. On regular front pages and regular back page the price is \$30.00 per page on yearly contract. Advertisements on second, third and fourth Special Cover Pages (printed on heavy toned paper) \$32.50 per page, net.

**PLEASE MAIL YOUR
 ADVERTISEMENT NOW.**

**To Be Issued
 March 19,
 1904.**

**American Florist Company,
 324 Dearborn Street,
 CHICAGO.**

VESPER

The Best Commercial White Carnation to-date. Pure white blooms, three to three and a half inches and over in diameter; beautifully fringed; very fragrant, exceedingly free bloomer, early and continuous; good until July; very healthy and vigorous, stems stiff, three to four feet long. Has brought top prices in Philadelphia Market the past three seasons. It is a great shipper, 20,000 ready for immediate shipment. **Come and See it Growing.** Read what these experts have to say about it:

We also offer the following good varieties. Ready now, and first-class in every respect.

Harlowarden, the finest crimson \$5.00 per 100; \$45.00 per 1,000. From 2-in. pots, \$6.50 per 100; \$60.00 per 1,000. Those in pots are extra fine for immediate delivery.

Enchantress, \$6.00 per 100; \$50.00 per 1,000. From 2-inch pots, well established plants, \$7.50 per 100; \$65.00 per 1,000.

	Per 100	1000
Mrs. M. A. Patten.....	\$12.00	\$100.00
Flamingo.....	12.00	100.00
Mrs. Theo. Roosevelt.....	5.00	40.00
Adonis.....	7.50	65.00
Lillian Pond.....	5.00	40.00
Pres. McKinley.....	3.00	25.00
White Bradt.....	6.00	
May Naylor.....	4.00	35.00
Her Majesty.....	5.00	40.00
Mrs. E. A. Nelson.....	3.00	25.00
Alpine Glow.....	4.00	35.00
Mrs. T. W. Lawson.....	3.00	25.00
Mrs. G. M. Bradt.....	3.50	30.00

SAMUEL S. PENNOCK, 1612-18 Ludlow St. Philadelphia, Feb. 9, 1904.

ROBERT CRAIG & SON, Philadelphia. Gentlemen:—We have been handling the Vesper carnation for the past two or three years, in fact, ever since it was introduced, and we find it to be one of the best all-around commercial whites on the market to-day. It has a good, stiff stem, is a good keeper, and is a good sized flower. Some of our customers prefer this to any other variety we can send them. They think it is the best keeper and gives them the best satisfaction of any white they are handling. Yours very truly, SAMUEL S. PENNOCK.

WM. C. SMITH, 61st & Market Sts. Philadelphia, Feb. 1, 1904.

ROBERT CRAIG & SON, Philadelphia. Dear Sirs:—The Vesper plants that I have here on trial are certainly all that you claim for them. I find that the plants are healthy, free and that the flowers are of the first size, on long, stiff stems. You may hook my order for one thousand cuttings to be delivered as soon as ready. Yours very truly, WM. C. SMITH.

WM. C. SMITH, 61st & Market Sts. Philadelphia, Feb. 11, 1904.

ROBERT CRAIG & SON, Philadelphia. Dear Sirs:—The Vesper Cuttings were received, and are fine. Please send me one thousand more from the same batch for my own use. I am going to plant a house of Vesper this Fall. Respectfully, WM. C. SMITH.

Price\$10 per 100; \$75 per 1000.
2-in. Pots..... 12 per 100; 90 per 1000.

E. C. MARSHALL Florist. Kennett Square, Pa., Feb. 11, 1904. ROBERT CRAIG & SON, Philadelphia. Dear Sirs:—It gives me pleasure to state that the 200 plants of Vesper sent me on trial have given excellent results. It has excellent health; an extra long stem; flowers are of the first size and do not burst. I also find it quite free. Yours truly, E. C. MARSHALL.

ROBERT CRAIG & SON, 49th & Market Streets, PHILADELPHIA, PA.

Please mention the American Florist when writing.

ROSES.

Get your order in early for roses and we will ship when wanted. We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2½x2½	2½x3	3x3
			In.	In.	In.
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Bride.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.60	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	La France.....	2.00	3.00	4.00	6.00
8	A. V. Kaiserin.....	2.00	3.00	4.00	6.00
9	Wootton.....	2.00	3.00	4.00	6.00
10	Belle Seibracht.....	2.00	3.00	4.00	6.00
11	Pres. Carnot.....	2.00	3.00	4.00	6.00
12	American Beauty.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	

CEO. A. KUHL, Pekin, Ill.

Roses. Roses. Plants and Rooted Cuttings.

	R. C.	Per 100	2½-in. Per 100
American Beauty.....		\$3.00	\$6.00
Bride, Maid, Ivory, Gate.....	1.50		3.00
Perle, Kaiserin, Canadian Q'n.....	2.00		4.00

LOW RATE BY THE THOUSAND.

BOSTON FERNS. 2½-inch, \$4.00 per 100; 3-inch, \$6.00; 4-inch, \$12.50; 5-inch, \$25.00; 6-inch, \$40.00. Fine stock. Note the special low prices on smaller sizes. **CULLETT & SONS, Lincoln, Ill.**

CHRYSANTHEMUMS.

Delivery to April 1. April & May Per 100 D'vy. Per 100

Mrs. Coombes.....	\$3.00	\$2.00
Yanariva.....	2.00	1.50
Alice Byron.....	6.00	4.00
Mme. Cadbury.....	6.00	4.00
Mrs. Tranter, pure white.....	4.00	3.00
Adrian.....	2.00	1.50
Mrs. Robinson, extra fine stock.....	1.50	1.25
Mrs. F. J. Taggart.....	2.01	1.50
F. J. Taggart.....	6.00	4.00
Robt. Halliday.....	2.00	1.50
Mrs. H. Emmerton.....	8.00	6.00

Prices are for rooted cuttings. Prompt shipment. Orders booked for later delivery. Not less than 25 of a kind at above rates. Send for price list of other varieties. **W. A. CHALFANT, Springfield, Mo.**

GERANIUMS Rooted Cuttings.

50,000 ready March 15. Send for list of varieties and price.
150,000 ready April 15th. Those now in sand all sold.

ALBERT M. HERR, Lancaster, Pa.

Advertise in The

SPRING NUMBER

American Florist, March 19.

This Number Will Eclipse all Records.

Rooted Carnation Cuttings.

	100	1000	5000
PINK.			
Mrs. Lawson.....	\$1.25	\$10.00	\$40.00
Mrs. Nelson.....	2.00	18.00	80.00
Guardian Angel.....	1.00	8.00	35.00
Dorothy.....	1.50	12.50	50.00
McKinley.....	2.00	18.00	80.00
Ethel Crocker.....	1.25	10.00	40.00
Mrs. Joost.....	1.60	8.00	35.00
WHITE.			
Flora Hill.....	1.25	10.00	40.00
White Cloud.....	1.25	10.00	40.00
Queen Louise.....	1.25	10.00	40.00
Norway.....	1.25	10.00	40.00
Gov. Wolcott.....	3.50	27.00	125.00

RED.			
G. H. Crane.....	\$2.00	\$18.00	\$80.00
America.....	2.00	18.00	80.00
Palmer.....	2.00	18.00	80.00
Estelle.....	2.50	20.00	
Harlowarden.....	3.00	25.00	
LIGHT PINK.			
Higinbotham.....	2.00	18.00	80.00
Prosperity.....	2.00	18.00	80.00
Rooted Rose Cuttings.			
	100	1000	
Bridesmaid.....	\$1.50	\$12.50	
Bride.....	1.50	12.50	
Golden Gate.....	1.50	12.50	
Ivory.....	1.50	12.50	

If stock not satisfactory will refill or refund money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. **60 Varieties.**

Rooted Cuttings, 60c per 100; \$5.00 per 1000; \$45.00 per 10,000. Plants, \$2.50 per 100; \$20.00 per 1000.

CARNATIONS.

White.	Pink.	Grimson.
The Queen.....	Success.....	Harry Fenn.....
Queen Louise.....	Mrs. Higinbotham.....	Gov. Roosevelt.....
Lorna.....	Cressbrook.....	Gen. Maceo.....
White Cloud.....	Mrs. E. A. Nelson.....	
Flora Hill.....	Mrs. Thos. Lawson.....	Variiegated.
	Dorothy.....	Prosperity.....
	Sunbeam.....	Mrs. G. M. Bradt.....
	Morning Glory.....	
	Mrs. Joost.....	Yellow.
	Daybreak.....	Dorothy Whitney.....
	Wm. Scott.....	Buttercup.....
	Crocker.....	Gold Nugget.....
	Mermald.....	Eldorado.....
	Portia.....	

GRAFTED ROSES.

Our grafted roses are fine, bushy plants and grown in 3 and 3½-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. **Send for Catalogue.**

J. L. DILLON, Bloomsburg, Pa.

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE, Box 228, KENNETT SQUARE, PA.

Always mention the.....

American Florist

when you write to an advertiser.

HYDRANGEA AZUREA

The Sensation of Last Easter.

With 10 to 12 Heads, \$3.00 Each.
With 6 to 8 Heads, 2.00 Each.

New Hydrangea Paniculata Hortensis

The Hydrangea of the Future. Requires no forcing for Easter blooming. Blooms in six weeks. Foliage rich and distinct and, what is more, the graceful heads get their color while developing. As soon as the flower is open the plant is ready. I offer cuttings in 2 1/2 inch pots at \$9.00 per dozen; \$60.00 per 100. Orders will be filled in rotation after May 1.

As Always I have for Easter a large stock of Erica Porcellana, Cavendishiana, and Cupressina and Persoluta.

LOUIS DUPUY, Whitestone, L. I., N. Y.

Please mention the American Florist when writing.

40,000 BLOOMING PLANTS. FOR EASTER

- 3,000 Crimson Ramblers, Unique designs, extra fine plants, \$1.00 to \$25.00 each.
 - 2,000 Hydrangeas, the finest in the market, \$1.00 to \$5.00 each.
 - 10,000 Lilium Longiflorum, 12c and 15c per bloom.
- A large assortment of Hyacinths in pans, \$12.00 per dozen.
- Azaleas, 75c to \$15.00 each.
 - Hybrid Roses, \$5.00 per doz. and up.
 - Spiraea, \$4.00 and \$6.00 per doz.
 - Rhododendrons, \$1.00 to \$15.00 each.
- Also a large assortment of Palms and other ornamental plants.

HERMAN C. STEINHOFF, WEST HOBOKEN, N. J.

NEW PINK CHRYSANTHEMUM AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth. 3 1/4 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y.
Jamaica, P. O., Woodhaven Station.

Flowering Plants For Easter.

3,000 ERICAS as follows:
ERICA fragrans, 2-year-old, \$6.00 per doz.
Cavendishii, deep yellow, \$1.50 each; \$18 per doz.
Cupressina, shell pink, very beautiful, \$9.00 and \$12.00 per doz.
Persoluta alba, large plants, 2 years old, \$5.00, \$9.00 and \$12.00 per doz.
Persoluta rubra, large plants, 2 years old, \$6.00, \$9.00 and \$12.00 per doz.
Persoluta rosea, \$1.00 each; some large plants, \$2.00 and \$3.00 each.
 One-year-old plants in bloom, \$2.50 and \$3.50 per doz. pots. All Ericas can be shipped without pots.
5,000 AZALEAS, from 50c to \$8.00 each.
CRIMSON RAMBLERS. Our celebrated baskets from \$4.00 to \$7.00 each. One Boat, \$20.00, very fine. Crosses, \$10.00 to \$12.00. Half Moon, \$5.00 to \$7.00. Horseshoes and Wreaths sh. oc. \$5.00 each. Bushes \$2.00 to \$4.00 each. All extra fine this year. Also a new light and dark pink Rambler in same shapes.

GENISTAS, \$3.00 and \$4.00 per dozen; large plants, \$1.50, \$2.00 and \$3.00 each.
BORNEA ELEANOR, \$1.50 and \$2.00 each.
AZALEA, Charles Euke, low, pink and white, \$4.00 per doz.
HYDRANGEAS, pink, \$1.00 to \$7.00 each; blue, \$2.50 ea.
RHOODENORONS, \$1.00 to \$2.00 each.
DAISIES, in bloom, \$1.00 to \$3.00 each.
LILIUM LONGIFLORUM, \$12.00 per 100 buds.
LILAC, in pots, \$1.50 and \$2.00 each.
TULIPS, HYACINTHS, DAFFODILS and TRUMPETS, by the 10,000 in pans, pots and flats.
LILY OF THE VALLEY, in pans at 50c, 75c and \$1 each.
BOSTON FERNS, 35c, 50c, 7c and \$2.00 each.
RUBBERS, single stem, \$35.00, \$ 0.00, \$75.00 per 100.
RUBBERS, branched, \$75.00 and \$100.00 per 100.
KENTIAS, ARECAS, LATANIAS, in all sizes.

Cash with order please. Packing free of charge.

ANTON SCHULTHEIS, College Point, N. Y.



GERANIUMS.

A few thousand late fall struck 2 1/2-in. pots, strong, ready to shift.

JEAN VIAUD, MME. LANDRY, DUC DE MONTEMART, VILLE DE POITIERS, ROBT. CHARLIE, HUBERT CHARRON,
\$2.50 per 100.

MME. BARNEY, LE SOLEIL,
\$3.00 per 100.

DRYDEN..... \$4.00 per 100

Nathan Smith & Son, ADRIAN, MICH.

SPECIALTIES

ROSES, from 3-inch pots, **In Best**
CARNATIONS, for all delivery,
CHRYSANTHEMUMS, **Varieties**
SMILAX, VIOLETS.
 Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.
 Please mention the American Florist when writing.

Orchids!

Just arrived in superb condition, a large shipment of **OENROBIDIUM MOBILE**, most useful for florists; also Dend. Chrysanthemum and others. To arrive, Cattleya Trianae and C. Gigas.

Lager & Hurrell, SUMMIT, N. J.
 Orchid Growers and Importers.

Geraniums..

Per 100
 10 var., fine, 2 1/4-inch pots.....\$3.00
Colous, 10 varieties, 2-inch pots..... 2.00
Vinca Var. Vinca, 2-inch pots..... 2.50
Asp. Plumosus Nanus Seeds, per 1000. \$7.00; 1.00

—CASH PLEASE.—

JOS. H. CUNNINGHAM, Delaware, Ohio.
 Please mention the American Florist when writing.

Asparagus Sprengeri

From flats, \$1.00; 3-inch, \$4.00 per 100.

C. WINTERICH, Defiance, Ohio.

GERANIUMS.

Rooted Cuttings.

S. A. NUTT, at present \$10.00 per 1000; 3-in. pots, \$2.00 per 100, \$20.00 per 1000; 2 1/2-in. pots, \$2.50 per 100, \$25.00 per 1000; 3 and 3 1/2-in. pots, \$4.00 per 100, \$35.00 per 1000; 5-in. stock plants, \$5.00 per 100.

John C. Ure,
 2248 Evanston Avenue, CHICAGO.

FUCHSIAS...

Strong 2 1/4-inch plants, ready now. **LITTLE BEAUTY**, \$5.00 per 100. **LORD BYRON**, \$4.00 per 100.

S. S. SKIDELSKY,

708 North 16th St., PHILADELPHIA, PA.

100,000 Pansies, prize strain of Bugoot, Cassier and Trimardean, fine large transplanted plants from frame 50c per 100; \$3.50 per 1000. Extra large plants, twice transplanted, coming in bud, \$1.00 per 100; \$10.00 per 1000. Asparagus Plumosus Nanus, from flats, ready to pot, \$2.00 per 100; \$18.00 per 1000. **HILL TOP GREENHOUSES, 15-17 Gray Ave., Utica, N. Y.**

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



LATANIA BORBONICA.

Palms AND Ferns

We are Offering Exceptional Values.

TAKE TIME BY THE FORELOCK AND ORDER YOUR DECORATIVE STOCK FOR EASTER.

CONFIDENCE is that which induces you to send us your order. We try to keep the confidence of our patrons by sending out such stock that we feel will give satisfaction. As our growing capacity has been doubled by the addition of our new establishment at Edgebrook, Ill., we are in a better position than ever to send out good stock. If we do not already enjoy your patronage we hope to be favored with a trial order.

KENTIA BELMOREANA.

Pots.	Leaves.	In. high.	Per Doz.	Per 100
3-inch,	4-6	10-12	.....	\$15.00
4-inch,	5-6	15-17	.....	\$4.00 30.00
5-inch,	5-6	18-30	.....	7.50 60.00
6-inch,	6	22-24	Each	\$1.00
6-inch,	6-7	24-27	Each	1.25

KENTIA FORSTERIANA.

4-inch,	4-5	20-22	.....	\$4.00 30.00
5-inch,	4-5	21-27	.....	7.50 60.00
6-inch,	5	26-30	Each	\$1.00
10-inch,	made up	56-62	Each	6.00

LATANIA BORBONICA.

Pots.	Leaves.	In. high.	Per Doz.	Per 100
5-inch,	4-6	16	.....	\$ 5.00 \$37.50
6-inch,	5-6	18	.....	7.00 50.00
7-inch,	7-8	6-20	.....	12.00

ARECA LUTESCENS.

4-inch,	3	14-16	.....	3.00
5-inch,	3	20-26	.....	5.00
6-inch,	3	28-30	.....	9.00
7-inch,	3	32-36	Each	\$1.25
8-inch,	3	42-48	Each	3.00

ASPARAGUS SPRENCERI.

2-inch,	\$3.00 per 100;	3-in.,	\$8.00 per 100;	4-in.,	\$12.00 per 100.
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Our Favorable Shipping Location will save you **MONEY** In Freight and Express Rates, and Time in Transit.

Address all Correspondence to 1657 Buckingham Place, CHICAGO, ILL.

Send for Our Complete Price List.

The GEO. WITTBOLD CO., 1657 Buckingham Place. CHICAGO.

BOSTON FERNS 8 cts.

Strong bench plants, fit for 5-inch.

AGERATUM, Gurney, Pauline; GIANT MARGUERITE DAISY, White; SALVIA, Splendens, Silver Spot, Bonfire. PETUNIA, double, 15 kinds. VINCA, variegated, 2-inch, 2c. REX BEGONIA, 4 sorts, 3c. Rooted Cuttings Prepaid. SALVIA, Silver Spot, Bonfire, Splendens. STEVIA, variegated, 90c per 100. AGERATUM, White, S. Gurney, P. Pauline. ALTERNANTHERA, red, yellow, COLEUS, 10 kinds, 50c per 100. PINKS, 5 fine kinds, 75c per 100. PETUNIA, double, 15 kinds, \$1.00 per 100. FUCHSIAS, 5 kinds, \$1.25 per 100. DAISY, \$1.00 per 100. VERBENAS, 10 sorts, 50c per 100.

Primula Obconica Grandiflora, in bloom 2-inch, \$1 per 100. No order taken for less than 50 unless ordered with other stock.

CASH

BYER BROS., Chambersburg, Pa. Please mention the American Florist when writing.

PIERSON FERNS VERY TRUE STOCK.

Strong 2 1/2-inch stock..... \$ 8.00 per 100
Strong 3-inch stock..... 10.00 per 100
Strong rooted runners..... 5.00 per 100
Cash with order. Satisfaction guaranteed.

BAUR FLORAL CO., Erie, Pa.

GOOD FERNS.

BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$45.00.
PIERSON FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.
Keap Street Greenhouses.

It is good business policy to mention

The... **AMERICAN FLORIST**
When you write to an advertiser.

Asparagus and Palms

We have a fine stock of the above which we will offer until the stock is reduced at the following prices:

	Per 100
Asparagus Sprengeri, 2-inch	\$2.00
" " 3-inch	3.50
Asparagus Plumosus, from flats	2.25
" " 2-inch	3.00
" " 3-inch	6.00
Kentia Bel., 2 1/2-in. pot, 8-10 in., 2-3 leaves	12.00
" " 2 1/2-in. pot, 15-18 in., 3-4 leaves	16.00
" " 3-in. pot, 15-18 in., 4-5 leaves	18.00
" " 3-in. pot, 18-24 in., 5-6 leaves	20.00
Latania Bor., 2-in. pot, seed leaves	5.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	20.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	30.00

Sherman Nursery Co., CHARLES CITY, IOWA.

Julius Roehrs

RUTHERFORD, N. J.

Crower of

Palms, Bay Trees, Box Trees

—AND—

Decorative Stock.

LILIES.

We shall have about 700 Lilies running from 18 to 24 inches high, and from three to ten buds, which we quote you at 10c a bud for immediate shipment, without pots. Now is the time to order your Lilies, for they can be shipped out much easier than when in full bloom. Write

GEO. A. KUHL, Pekin, Ill.

WE SOLICIT CONSIGNMENTS OF

Smilax, Adiantum, Sprengeri.

OUR MARKET FOR THESE ITEMS IS "HEALTHY."

E. F. WINTERSON CO.,
45-47-49 Wabash Ave., CHICAGO, ILL.

THE AMERICAN FLORIST CO.'S ..Directory

FOR 1904

Hundreds of New Names and Addresses.

AND contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies, Horticultural Supply Concerns of the United States and Canada, Leading Foreign Houses and much other valuable trade information. Price \$2 postpaid.

AMERICAN FLORIST CO.
324 DEARBORN STREET, CHICAGO, ILL.

**HEADQUARTERS FOR
EASTER PLANTS.**

Blooming Easter Week or from now if desired. I am noted for the past years and have a reputation among the trade all over the land, for growing a large and abundant assortment of choice Easter blooming plants of every description. I have an immense stock in large houses and 15 hot beds are crowded to their full extent, in better shape and condition than ever before. **Azalea Indica; 3 houses filled with this only choice American variety.** I know exactly what my customers and the public want. My son Howard and I went to Europe last summer on account of the scarcity of Mme. Van der Cruyssen azaleas, and must say with great pleasure that we were successful in obtaining **2,000** of this beautiful variety **alone** and offer them now as the gem of my stock only; none of it has been picked out by fall sales and I have the residue left. I make it a rule not to offer any in the fall outside of Xmas. Please note my prices of the 2,000 Mme. Van der Cruyssen; 6, 7, 8-inch, 60c, 75c to \$1.00 each; specimens, \$1.25 to \$1.50 each. These are as round as an apple and covered with buds. Other varieties of which we have a large stock: B. A. Alba, Niobe, double white, Empress of India, Prof. Walter Vermeriana, Dr. Moore, Loo, Dr. Maohurst, Paul Weber, Simon Rucker, Lustre and about 12 more leading varieties, 6, 7, 8-inch pots, 50c, 60c, 75c, 90c, \$1.00 each; specimens, \$1.25, \$1.50 each. If pots are not wanted we take the fresh soil off, because Azaleas never make new roots during winter; that makes packing light and safe and reduces the express charges considerably.

Lilium Harrisii and Japan Multiflorum. Have about 2,000 to offer. Raised only from special brand bulbs of Mr. H. F. Michell at the cost of \$100.00 per 1000; 6-inch pots, from 5 to 8 buds to a plant, 10c per bud; under 5 buds, 12 cents.

Cineraria Hyb. Have a house of 2,000, 6-inch pots, all shades, from Mr. H. F. Michell's last strain, \$3.00, \$4.00, \$5.00 per dozen.

Hydrangea Otaksa, 6 to 7-in. pots, from \$4.00, \$5.00, \$6.00, \$7.00 to \$12.00 per dozen.

Daisies, white, (Marguerite), 6-inch pots, \$3.00 per dozen.

Begonias, Pres. Carnot, 6-in. pots, \$3.00 per doz. mixed, with or without bloom, 4 in. pots, \$1.80 per doz.

Vernon, in bloom, 4-in. pots, \$1.50 per doz.

Cyclamen, 4-in. pots, in bloom, \$2.00 per doz. Bud and bloom.

Primula Obconica, 4-inch, \$1.80 per doz.

Spirea Compacta, Superba, and Floribunda, 6-inch pots, \$3.00 to \$4.00 per doz.

Gladstone, new, 6-inch pots, \$5.00 per doz.

Hyacinths, only the choicest of my own importation, all shades, \$10.00 per 100.

Tulips, Tournsdale, double red or yellow, best selling tulips, 3 in a pot, 4-in. pots, \$1.50 per doz.

Daffodils, Von Zion, best double nosed, 3 in a 5 1/4-in. pots, \$2.50 per doz.

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Contains 412 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.
324 Dearborn St. CHICAGO.

Minneapolis.

At the Florists' Club's last meeting, held in Latham's new store, 818 Nicollet avenue, Thomas Hall was re-elected president, Otto Will vice-president, Ralph Latham secretary and E. Nagel treasurer. Jacob Weisenstein was elected for one year on the executive committee. A bowling club was organized and Otto Will appointed captain. The meeting nights are the first and third Fridays of each month. The meeting adjourned with a short address from the president.

Stock in all varieties is increasing in supply and with a decline in trade this makes considerable surplus. Tea roses are plentiful enough to meet all extra demands, although a week ago they were in limited supply. The next seven days will probably witness a better business from the decorative orders already booked.

Paul Berkowitz, of H Bayersdorfer & Company, called on the trade last week. C. F. R.

Richmond, Ind.

Chessman & Shepman will not open their greenhouses which were destroyed by fire, but will retire from the business. The wreckage caused by the fire was so complete that the firm would have been compelled to start anew in every department if it had continued in business. The stock remaining will be disposed of as fast as possible.

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Price per crate		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
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500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
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Send 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

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Patent Applied for.

THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

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Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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Quality—No Better.
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See the Point of
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Glazing Points are the best.
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We furnish everything for building. Send for prices and catalogues.

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MATERIAL FURNISHED
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CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

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Please mention the American Florist to advertisers.

Lowell, Mass.

The quiet spell which prevailed the last two months has been broken in spite of it being the Lenten season. For two weeks there has been more going on than before this year. One of the unpleasant things we have had to contend with lately has been that unpopular phrase, "Omit flowers." A good many times this notice has appeared when the demand otherwise would have been heavy. Another detriment has been the wretched weather. None of the old timers can remember as bad a winter. The shop windows are beginning to look like Easter. Already they are being filled with Easter lilies, primroses, tulips and daffodils. The supply of cut flowers is in good condition with scarcely any shortage. Violets are coming in by the thousands and in some cases the prices obtained hardly pay for the picking.

Otto Bourdy, whose greenhouses are located on the banks of the Merrimac river, is wearing a worried look. Close to his greenhouses the river is covered with ice three feet thick, and the stream is gradually on the rise. He has taken time by the forelock by getting a boat so when it is high tide he can float safely away to high land.

After an absence of two years our old friend "Bill" Waterworth, made his appearance, looking hale and hearty and just in time to fit in for Easter.

The Exeter Rose Conservatories of Exeter, N. H., have done themselves proud this year. Their roses being sent to this town are excellent.

Geo. Buxton, Nashua, N. H., is sending fine carnations to town. His Enchantress have three-foot stems.

Last year at this time the farmers were ploughing. This year the land is covered with snow three feet deep.

Lewis Small, of Tewksbury, returned home much pleased with his visit to Detroit.

Harvey B. Greene made a flying business trip to New York city last week.

A. M.

Orange, N. J.

The monthly meeting and show of the New Jersey Floricultural Society was held March 4. The exhibition was elaborate. Among the displays worth special attention were the orchids Cattleya Harrisonia, C. Schilleriana and Lycaste Skinneri, from the orchidry of William Barr, grown by Arthur Bodwell, the second having eight spikes. This exhibit received 95 points. A vase of mixed carnations, exhibited by Sydney and Austin Colgate, grown by George Smith, received 85 points. Other exhibits were a vase of mixed carnations, exhibited by A. C. Van Gaasbeek, grown by Wm. Bennett, 75 points; carnation Enchantress, exhibited by John Crosby Brown, 70 points; Primula obconica, in pots from Chas. Hathaway, grown by H. Hornacker, 75 points; Dracena indivisa, exhibited by John Crosby Brown, grown by Peter Duff, 75 points. The topic for the evening was "The San Jose Scale."

Emil Decker has one house of fine mignonette, spikes ten inches long. Falling short of his own seed, he purchased some to finish, and the entire sowing of purchased seed was a failure.

Local trade is active with funerals, weddings and orders for various social events. Bulbs are showing in the windows.

W. A. Manda has eighty varieties of orchids in bloom and reports a ready sale for all cut blooms.

J. B. D.



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YOUR GLASS.
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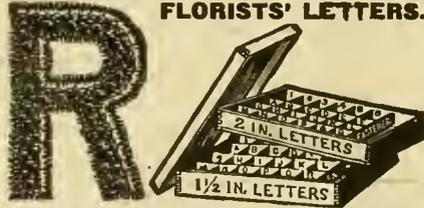
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Block Letters, 1 1/2 or 2-inch size, per 100, \$2.00.
Script Letter #4. Fastener with each letter or word.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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Size No.	0.	3x 4x20	\$2.00	\$19.00
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"	3.	4x 8x18	2.50	23.00
"	4.	3x 5x24	2.75	26.00
"	5.	4x 8x22	3.00	28.50
"	6.	4x 8x28	3.75	36.00
"	7.	6x16x20	5.50	54.00
"	8.	3x 7x31	3.00	28.50
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40 W. 28th St., NEW YORK.

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Rose Bone
TO FEED YOUR ROSES.

200 pound Bag \$4.00.

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10,000, \$1.50; 50,000, \$6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample Free. For sale by dealers.

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For Sale by all Wholesale Houses.

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It is not too early to order your Easter Baskets. Let us advise you with a catalogue of our new things. Write now.

Everything needed in a Florist's stock at lowest wholesale figures.

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IN THE

Spring Number

OF THE

American Florist

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Chicago House Wrecking Co.,

W. 35th & Iron St., CHICAGO, ILL.

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ALSO CEDAR POSTS of ALL LENGTHS and DIMENSIONS.
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 Life insurance is valuable because it guarantees the outcome.
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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."

Vol. XXII.

CHICAGO AND NEW YORK, MARCH 19, 1904.

No. 824

THE AMERICAN FLORIST

NINETEENTH YEAR.

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Entered as Second-Class Mail Matter.

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SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

OFFICERS—PHILIP BREITMETER, Detroit, Mich.,
president; J. J. BENEKE, St. Louis, Mo., vice-
president; WM. J. STEWART, 79 Milk St., Boston,
Mass., secretary; H. B. BEATTY, Oil City, Pa.,
treasurer. Twentieth annual meeting at St. Louis,
Mo., August, 1904.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Philadelphia,
March 22-24, 1904. LEONARD BARRON, 136 Liberty
St., New York, secretary.

The Planting of a Tree.

Wouldst thou upbuild a home where sweet wild
lives are nested.
Glad with the sound of song, quick with the
flash of wing;
Where the soft broods may rock, warm housed
and unmolested,
Deep in the leafy nooks, through all the
changeable spring?

Or wouldst thou rear an arch of noblest grace
and splendor,
Lifted in air and light, shaped by the sun and
storm,
Moved by the wandering wing, swayed by each
influence tender,
Yet by the hand of life molded to steadfast
form?

Wouldst thou make day more fair and night more
rich and holy,
Winter more keenly bright and summer's self
more dear;
Grant the sweet earth a gift, deep rooted, ripen-
ing slowly,
Add to the sum of joys that bless the rounded
year?

Go, then, and plant a tree, lovely in sun and
shadow,
Gracious in every kind—maple and oak and
pine—
Peace of the forest glade, wealth of the fruitful
meadow,
Blessings of dew and shade hereafter shall be
thine!

For, though thou never see the joy thy hand hath
granted,
Those who shall follow thee thy generous boon
may share.
Thou shalt be nature's child, who her best fruit
hath planted,
And each of many a spring, shall find thy gift
more fair.

—St. Nicholas.

THE ROSE GROWER AND HIS PROBLEMS.

READ BY ROBERT SIMPSON, OF CEIFTON, N. J., BEFORE THE NEW YORK FLORISTS' CLUB,
MONDAY EVENING, MARCH 14, 1904.

ENTHUSIASTIC lovers of flowers will tell us sometimes that ours is the most charming and attractive vocation that any man or woman of taste and refinement could possibly choose; and we must admit that when everything moves along smoothly the rose grower has a calling that is both interesting and attractive. When his plants grow luxuriantly, and bloom profusely, and prices are satisfactory, it should not be very difficult for the average man to be good natured and agreeable all round.

There are times and seasons, however, when the rose grower has more troubles and perplexities than seem to fall to the lot of his fellow man in other walks of life. I do not propose, neither will you expect me in this article, to offer a solution for all the problems that are liable to confront each member of the craft at some period or other of his career. I confess that to some of them I have given my best thought during the last twenty years, yet seem to be no nearer a solution now than I was in the beginning. It has been said that misery loves company, and it may be a source of comfort to know that no one of us has had a monopoly of business puzzles.

Perhaps the greatest problem for most of us this present season has been one of mathematics: how to make a weekly check for \$125 go as far in paying bills as one for \$200 did last season. The labor item is just the same, the butcher and grocer demand equally as much, the incidental expenses are just as great, and the coal bills certainly have not been any smaller than usual. I wish that one of you expert financiers to-night could solve this problem to the satisfaction of all the rest.

The Labor Problem.—When a man's establishment has grown too large for his own hands to do all the work in it, and he is compelled to employ others, he is pretty certain to encounter difficulties which will keep him awake late into the night trying to puzzle out. The help problem in its most aggravated form makes a grower often wish that he had been anything in the wide world but a

florist. To read the advertising columns of our trade weeklies one would be inclined to take an optimistic view of the situation. As one's eye runs over the page we find it bristles with talent and experience all waiting to serve the man lucky enough to secure it; each applicant thoroughly fitted for any position of trust and responsibility; "capable of taking charge" is the stereotyped phrase. With so much talent, all the best, how is a man to make a choice? We make a venture; the sequel you all know. The man who knew it all, when put to work and given the test, knew almost nothing, or else had stored up all the knowledge there was and immediately took upon himself the benevolent task of instructing his ignorant employer. The itinerant florist is a wonder. When a man pulls out a pocketful of testimonials you had better have a hurry call to the telephone, slip out of the back door, and never come back that day.

It seems to me that in trying to solve the labor problem we shall have to do one of two things: employ only unskilled labor and furnish the brains and intelligence ourselves, so that the men will simply need to execute orders and work machine fashion; or else we must try to secure journeymen florists of a higher stamp of morality and intelligence than those we have at the present time. A number of growers that I have talked with are trying the former method with more or less success; they at least have the satisfaction of running their business in their own way and having the work done as experience and common sense dictates. One very serious drawback to this method, however, will be found in the fact that if the intelligence of the overseer is, through sickness or any other cause, withdrawn for any length of time something serious is liable to happen.

If we adopt the other suggestion, I believe we will have to make our business more attractive and offer greater inducements for young men of education and intelligence to seek such employment. Bright boys to-day will not choose a business for life that pays them no better and gives them no higher rank than that of a common laborer. The treatment

which some employers give their men in the way of long hours, little recreation, scanty and poor food and utter disregard for all the comforts of life, is scandalous in the extreme. I have passed through it.

Varieties to Grow.—Along about this season of the year the question of what to propagate and how many to plant has to be met and decided upon. American Beauty, we begin to reason, have sold poorly most of the season, and have not paid; Liberty went to sleep just when it needed to be wide awake, and has been a good deal of a disappointment; Golden Gate frequently have had to be put into the ice box because they were left unsold; Bride have not brought as good prices as Bridesmaid, hence were not as profitable. Shall I then discard all the rest and plant only Bridesmaid? If we all did this there would be a good many flowers of this variety next winter.

As a general rule, I think soil and environment must largely determine what we should and should not grow, particularly when catering to a market like that of New York City. The man who can grow superb American Beauty should fill his houses with that variety. He who has succeeded in producing high-grade Liberty could hardly miss his mark if he continues to grow them in quantity; the same with Meteor, Bridesmaid and the rest. It is far better to grow one variety first class, and get a name for growing it well, than to grow half a dozen kinds, a few of each, and grow them all indifferently.

On the other hand, is it not a fact that in our specializing we have narrowed our growing down to about four to six varieties, just about one variety of each color? We frequently hear European growers visiting this country say, "Why do you grow so few varieties of roses for cut flowers in America when you have such a list of good ones to choose from?" Would not the public who buy our flowers appreciate a greater variety, and in many instances purchase more liberally if they had more choice? It is reasonable to suppose they would.

It has been charged against the buyers for some of our large retail stores that they are very loath to take up a novelty and show it to their patrons, lest they should get an order for it some time, which it might be difficult or impossible to fill. If this be true, I think such buyers are injuring the business of their house, as well as closing the door to some worthy aspirant to popular favor. Presuming what I have just said to be a fact that the grower must reckon with, I believe it is still to his interest, present and prospective, to endeavor to furnish as great a variety of choice and desirable roses to the flower buying public as he has it in his power to do. To this end he should plant and experiment with all the promising novelties and keep a correct account of sales from such for future guidance.

I am very glad to see so many new and interesting varieties here for our inspection to-night, and I compliment the New York Florists' Club and its present officers for what they have accomplished in bringing together these various exhibits from distant points, giving us growers a chance to inspect them and find out their merits without incurring much expense, and furnishing the growers of these novelties the opportunity to make a display the result of which must be both pleasing and profitable.

Chicago sends us Uncle John—a monstrous name, it seems to me, to give to a lovely rose that its introducers confi-

dently expect will become a standard variety for forcing purposes! It seems to be identical with Golden Gate, of which it is a sport, except that its color is said to be as uniformly good as that of Golden Gate at its very best. The flowers of it that I have seen were not nearly as large as those of our best Golden Gate; perhaps it will improve in this particular after dissemination.

Madame Abel Chatenay, also from Chicago, needs no apology for its name, which is pleasant to the ear; and its color, stem and general make-up create a very favorable impression.

La Detroit you have all seen before, both on exhibition and in the greenhouse, and have no doubt already formed your opinion as to its merits. As shown at Philadelphia a year ago it was very fine, and some of our eminent rose men got very enthusiastic over it; but it has hardly maintained the reputation that it made at its first introduction to the trade. I hope it may fulfil the expectations of its introducers.



Prof. George E. Stone.

Canadian Queen at its best is a very chaste and beautiful flower; its one drawback, as far as I have seen, is its lack of uniformity of color. If it can be fixed so that it will be permanent in color and shape we shall have a really desirable variety.

Killarney many of you are familiar with; it is uncommon, though not strictly new. It has shape and color and seems to be popular with the best class of buyers. The short stemmed blooms lack in character somewhat, and whether it would pay as well if grown quite extensively, as it has done during the present season, is a question to be determined later.

Ideal, a sport from La France, is a very beautiful rose; its fragrance, form and color are charming, and it is well worth a trial. The other new varieties here to-night I am not sufficiently acquainted with to criticise either one way or the other.

For variety some of the old favorites of a few years ago might very well be resurrected and brought to the front; some of them are so good that if they were offered to us under a new name we would snap them up eagerly. Among them I

would mention Madame de Watteville, Madame Hoste, Papa Gontier and Bon Silene. A grower in one of our Western cities told me confidentially last spring that Bon Silene was one of the best selling and paying varieties on their list. Meteor is still a good all the year round rose, and many who discarded it for Liberty are returning to their first love. If well grown La France would sell as well now, comparatively, as it did fifteen years ago.

We will suppose the grower has made out a list of what he intends to grow, has propagated or purchased his stock, and planted the same in his benches after the most approved method. He can then sit down, or go on a long vacation, confident of splendid results the following winter? Well, hardly! Some growers do, but you know what kind of flowers they produce. The thoroughly practical and wideawake man doesn't take many vacations. If he can afford it he may send his family to the mountains or the seashore during the summer; but he, poor man, must stick to the wheel and keep at his post. And if he doesn't what then? Why, a score of things may happen. A storm comes up suddenly and his ventilators are turned inside out; the Beauties got syringed too often and watered too freely and black spot resulted, not to mention mildew, red spider, thrips, green fly, eel worm, any one of which is had enough, but, altogether, did you ever see a man in such a predicament? Of course, if a capable foreman is in charge the situation is altered somewhat, but I am thinking to-night of the small grower who is his own foreman.

Disposing of the Product.—A word now about disposing of our product after it is grown. Most of us consign our goods to the commission house and hope for the best; we cannot, perhaps, dispose of them in any other way. Is this the ideal way of getting our flowers to market? And are the results generally satisfactory? We have practically all adopted it; but that is not an argument in its favor. The commission house has its good features. The grower who consigns to it does not need to divide his time and energies between growing and selling and collecting his money; he stays home, produces the goods and receives his weekly check. The retail florist finds it convenient and profitable to have the commission dealer carry the goods for him, and be able to replenish his stock at any hour of the day. But these features would remain and prevail, no doubt, if the house became a wholesale market where flowers were bought and sold.

Among the bad features of the commission system I will mention one or two. Flowers consigned to a commission house are, theoretically, the property of the consignor until they are sold, or returned, or disposed of in some other way; practically they cease to be his when delivered to the express company; the consignee has not paid for them, does not own them, and is not responsible for them. If they are damaged, broken or stolen while in his possession it is the grower's loss. This state of affairs produces carelessness in the commission house, first in owner, then in employee. Choice roses that have been handled, possibly with the greatest care by the grower are frequently tossed around and bruised out of all semblance to their original freshness and beauty before they finally reach the ice box of the retail store. Who has to stand the loss caused



ESTABLISHMENT OF THOS. F. GALVIN, BOSTON, MASS.

by depreciation of value to the goods? The grower and the ultimate purchaser suffer equally. If I was growing mushrooms, peaches or hothouse grapes, and was very successful as a grower, but through carelessness or ignorance could not place them upon the market in a marketable condition, I would realize on them just what they were worth to the consumer; no more. So it must be with all our flowers. Perhaps the commission dealer would use no more care if he was the actual owner of the goods, but the chances are that he would; at all events, any loss there might be from that cause would be his own and not the grower's, as at present. I have no fault to find with the commission dealer as a man, but with the system under which he works.

Perhaps it is not too much to say that conditions in the cut flower business today are such as to demand of the growers the most serious consideration, individually, and as a body of hard working men. Organization and combination of allied industries have resulted in the putting up of prices on almost everything that the florist has to buy. I might mention glass, coal, pipe, hose, flower pots, and tobacco stems; but the florist, lacking organization, neglecting co-operation, stands alone in his helplessness and sees the price of his products diminishing from year to year, utterly unable to stem the tide which, sooner or later, threatens to sweep him off his feet. If we have any natural leaders in our ranks it seems to me that the time is ripe for them to take up and grapple with this question, and place our business on a more up-to-date basis. The first thing to consider should be fair and uniform prices, to be decided by the grower, not the retailer; the next an effort to regulate supply to keep pace with the demand. If there is an over-production at present,

as appears to be the case, there should be no more new glass erected until an equilibrium has been reached. This is no doubt a knotty problem, but who dare say that it is not capable of a solution? Who shall be our Moses to lead us up and out of the land of Egypt?

Prof. G. E. Stone.

Prof. Geo. E. Stone, of the Massachusetts Agricultural College and Hatch Experiment station, was born in Massachusetts, receiving his early education in the public schools of that state and afterwards attending the Massachusetts Agricultural College during the years 1883-85. Thence he went to the Massachusetts Institute of Technology, Boston, taking there an extensive course in biology. He remained in this institution until 1889 and then devoted one year to teaching botany and doing special botanical work. In 1890 Prof. Stone went to Europe where he studied two or three years, giving his attention to plant physiology under the direction of the ablest men in that line. Returning from Europe, he spent a brief period in botanical work at the Clark University, Worcester, Mass., there receiving an appointment as assistant professor of botany at the Massachusetts Agricultural College. He was subsequently appointed professor of botany in the college, and vegetable physiologist and pathologist in the Hatch Experiment station. Prof. Ralph E. Smith, who has recently been called to the position of vegetable pathologist in the University of California was assistant under Prof. Stone for some years. Their association in station work was of a very congenial nature.

Prof. Stone's work has been very largely along greenhouse lines and he is frank to admit that he owes a great deal to the experienced skill of the practical

gardeners of Massachusetts for suggestions in managing greenhouse crops. His greenhouse work has been to a large extent affiliated with the raising of market gardening crops under glass, but more recently has taken up the horticultural problems. He has given considerable attention for the past ten years to the diseases of cucumbers, tomatoes and lettuce under glass, and discovered remedies which have resulted in controlling the worst diseases of those crops. An example of this is his method of soil sterilization, which has become quite extensively used in many sections of the country. He has given much attention to experimenting with electricity in relation to plant growth. The electrical problems are so complicated, however, that at present it seems of little practical value in horticulture.

He is thoroughly interested in agricultural problems, using the term in its broadest sense, and believes that agricultural colleges were established for agricultural purposes, and therefore the botany under his direction possesses a strongly agricultural flavor. Prof. Stone has recently been appointed to superintend the preparation of the biological exhibits of the agricultural colleges and experiment stations at the St. Louis exposition. Mr. Stone belongs to many scientific societies and associations, among them the Massachusetts Horticultural Society, Worcester County Horticultural Society and Massachusetts Forestry Association. F. C.

ST. CLOUD, MINN.—The new greenhouse 14x40 of the Kindler Floral Company is now complete with the exception of setting the glass. The capacity of the greenhouses will be almost doubled by the addition.

Society of American Florists.

MEETING OF THE EXECUTIVE COMMITTEE.

The regular annual meeting of the executive committee of the Society of American Florists and Ornamental Horticulturists was held at the Southern Hotel, St. Louis, Mo., March 5 to 7, 1904. After the usual routine of officers' reports, sundry communications, etc., the arrangements for the coming convention were taken up. Music hall, Eastern nave and the spacious vestibule of the Exposition building on Olive street were found to be admirably adapted for the purposes of the convention and trade exhibition, and their selection therefor by the St. Louis Florists' Club was duly approved by the committee. The secretary was instructed to arrange for the presentation of papers by competent gentlemen upon the following subjects:

- Progress of Bulb Raising in America.
- Home and Municipal Improvement from a Horticultural Standpoint.
- The Ideal Employee.
- Development of an American Type of Roses.
- Indoor Blooming Plants.

The president's reception will be held, as heretofore, on the evening of the first day of the convention, but the usual evening meetings on the second and third days will be omitted so that members may be free to visit the World's Fair, a session on the morning of the fourth day being substituted therefor. One session will be devoted to addresses by eminent horticulturists from abroad. The bowling tournament will take place on the afternoon of the second day, the shooting and ladies' bowling on the afternoon of the third day and the visitors will be the guests of the St. Louis Florists' Club on the afternoon of the fourth day.

New rules were adopted regulating the judging in the trade exhibition, whereby the main report of the exhibits shall be made by the superintendent of the exhibition, and the judges, three in number, shall be required to examine and make awards on novelties and improved devices only, due entry of such special exhibits being made in advance with the superintendent. On recommendation of President Beneke of the local club, C. A. Kuehn was appointed superintendent of the exhibition with power to select an assistant. Arrangements were also made

for the appointment of a sergeant-at-arms and assistant, a night watchman in the exhibition hall and the establishment of a bureau of information, and an agreement was entered into with the representatives of the St. Louis Florists' Club establishing the salary of the superintendent and providing for the disposal of the proceeds of the exhibition after the payment of all expenses, for the benefit of the St. Louis Florists' Club, on a basis similar to that made with the local club at Milwaukee last year.

The legislative committee was re-appointed with J. K. M. L. Farquhar, of Boston, as chairman for 1904, and H. M. Altick, Elmer D. Smith and the secretary were constituted a special committee to work in conjunction with them in promoting an agitation favoring the passage by congress of the bill presented by the Postal Progress league. P. J. Hauswirth, Carl Beyer and R. M. Tesson were appointed the committee on sporting events for the convention of 1904, and were instructed to rule that all persons (ladies excepted) participating in any games must be members of the S. A. F. in good standing, and also of their respective local Florists' Clubs where one exists. The amendment to the constitution providing for reciprocal relations with other societies, referred by the Milwaukee convention to the executive committee, was taken up and considered at length, and finally adopted in an amended form for regular presentation to the convention next August.

It was voted to offer for the coming year silver and bronze medals for award through various horticultural bodies, as in previous years. The accounts of the secretary and treasurer showed a very substantial increase in both general and permanent fund. The committee on final resolutions, Messrs. Altick, Wirth and Stewart, presented the following resolutions, which were adopted by a unanimous vote:

We, the members of the Executive Committee of the Society of American Florists and Ornamental Horticulturists, in meeting assembled, hereby express our thanks to the St. Louis Florists' Club, to F. W. Taylor, Chief of Agriculture and Horticulture of the Louisiana Purchase Exposition, to J. H. Haskinson, Superintendent of the Department of Floriculture, to T. W. Brown, Chief of Landscape, British Exhibit, to R. J. Mohr, Superintendent of Landscape, British

Exhibit, and to the management of the Southern Hotel, for the hospitality and many courtesies shown us during our stay in St. Louis, and to the Daily Press for notices of our proceedings, and we would especially express our appreciation for the incessant and considerate attention shown to this committee by J. J. Beneke, Pres., and Otto G. Koenig, Treas. of the St. Louis Florists' Club.

PLANT SHIPMENTS BY EXPRESS.

Shippers of plants are hereby cautioned, by instruction of the executive committee of the Society of American Florists and Ornamental Horticulturists, against the use of cut flower shipping labels on boxes of plants, as by such use they forfeit their right to the reduced rates accorded to plant shipments properly labeled.

WM. J. STEWART, Sec'y.

A Beautiful Suburban Home.

The accompanying photograph conveys but a faint idea of the beauty of the suburban home of one of Cleveland's most distinguished citizens, L. E. Holden, publisher of the Plain Dealer. It is in Glenville on the shore of Lake Erie, where it receives the full benefit of the delightfully cooling breezes of the lake in summer and the correspondingly cold blasts in winter. The latter are tempered by a grove of evergreens to the northwest. The grounds are laid out with simple yet exquisite taste. The dwelling sets back about three hundred feet from one of the principal thoroughfares. The intervening space is devoted to a well kept lawn, as the picture shows, dotted here and there with magnificent specimens of latanias, agaves and other attractive plants. The latanias are worthy of special notice, being in perfect condition, from six to eight feet high, and spread to a like width. The main drives are bordered with shrubbery and edged with flowering and border plants.

Mr. Holden is a noted horticulturist and his fund of knowledge in this line gained from extensive travel in foreign lands has been put into practice in the adornment of his beautiful home. It is mainly due to his energies and profound knowledge of the subject that Cleveland is the proud possessor of a chain of parks second to none, he having been connected with the park board as its president for a number of years. A new range of greenhouses as an additional adornment has



RESIDENCE OF L. E. HOLDEN, GLENVILLE, OHIO.

(Front View.)



RESIDENCE OF L. E. HOLDEN, GLENVILLE, OHIO.

(Rear view.)

been added this year. They are strictly modern in every particular. In their construction the practical as well as the artistic side was kept in mind. The range consists of five houses, 20x50, and a palm house 25x70, and 18 feet high. There is a boiler shed, 20x20, the upper story being divided into an office and potting shed. The outside walls are built entirely with hollow concrete blocks, an innovation in greenhouse construction which Mr. Holden considers almost as cheap as wood and everlasting. The divisional walls are of hollow building tile. The woodwork is all cypress. The glass 16x24, is put the 24-inch way.

Iron benches with tile bottoms are used throughout, ribbed glass being used for the palm house. The whole is heated by steam from a forty horse-power boiler. The grounds surrounding the houses are neatly laid out in flower beds and lawn. Roses, carnations and bedding plants are grown and at present are in the pink of condition. The management of the whole devolves upon Wm. Stadie, who is not only an expert plantsman and landscape artist but a prince of good fellows. Mr. Stadie, like his employer, has had a wide and varied experience in horticulture. He has occupied his present position sixteen years. The fifteen years preceding were spent in the commercial line with B. Elliott, Jno. Bader, and others in Pittsburg. Later he helped to grow the first roses produced in Cleveland on a commercial place, that of W. J. Gordon, which has since passed away. The entire place reflects great credit upon Mr. Stadie, and his ambition is to keep this beauty spot looking well.

ECHO.

ALBANY, N. Y.—Jos. Dangelzer, gardener at Sacred Heart Convent, has resigned,

THE CARNATION.

PHYLLIS, W. N. Rudd's seedling pink carnation, is a prime favorite with J. N. May and other eastern growers who have had their eye on it.

Comments on the Detroit Convention.

In thoroughly digesting the report of the Detroit convention together with the papers read there and the ideas presented by the several gentlemen who took part in the discussions, I find lots of material to enrich the mind. It is my opinion that several of the points brought out should receive further consideration, particularly Wm. Scott's paper. It is my firm belief that some method must be adopted different from that now in use to make the seal of the society more valuable and to curtail dissemination of novelties of questionable merit. If not we shall find Mr. Valentine's angel less willing every year to take first shot at the novelties. After then, what? I do not believe in sending small lots to different growers for trial because it is generally the case that they are planted on one end of the bench or in some out of the way place where they cannot get a fair show, and if they do not do as well as expected they are to a certain extent condemned. But I should think the society could arrive at some system which would be acceptable to the disseminator and buyer alike and also broaden the usefulness of the society.

It seems to the writer that there is no good reason why thoroughly practical results could not be obtained if the society were to appoint certificate committees in different sections of the country with power to score any variety sent to them for the society's certificate, the owner to present his seedling before the

nearest committee at intervals during the season—at a certain date in September, again in December, again in March and again in May—each exhibit to consist of twelve blooms and one plant in bud and bloom taken direct from the bench, a scale being compiled consisting of ten points to cover the plant, and a certificate to be granted to each variety which averages above a certain number of points throughout the season. A certificate obtained on these lines would mean a great deal more to a variety than it does at present.

The suggestion that the carnation as a pot plant be encouraged is a good thing, but to grow a carnation successfully in a pot, in other words to bring them to such perfection as to meet with the present day requirements, an entirely different method of culture must be followed than what is practiced in growing carnations for cut flowers. It is not only a question of getting them into bloom at the right time but also one of being able to get enough buds and shoots on the plants to give satisfaction after being sent to market. Any plantsman that makes a specialty of growing pot plants I believe could find a good profit in putting in a house of pot carnations for the Christmas holidays. Carnations do not need a very deep pot, so I would advise using what is called the azalea pot, and seven inches would be plenty large enough for them. Take clean, healthy young stock the first part of April and shift up into 3½-inch pots, using a soil similar to that used in the benches but with considerable less manure. Give them as cool a house as possible, just about 40° night temperature with plenty of ventilation on all favorable occasions. They must at no time receive an over abundance of water, but the soil should be kept a little on the dry

side so as to keep the roots in active growth. As soon as the weather permits they can be placed outside in frames with the sash raised about a foot above the frame. Along about the middle of June repot into 5-inch pots, then plunge them in some light material in the frames. After this for about two months care must be taken by dusting with tobacco powder to keep away aphids. Also give them an occasional watering with lime water to keep the soil clear of worms and pay particular attention to topping to insure a bushy plant. By August 15 arrange to transfer them into the house again. If you have a house running north and south with side ventilators this will be the place for them. They can now receive their final potting into 7-inch pans, using about the same proportions of manure and soil as you would for the bench plants. After this, great care must be taken in the watering until they are established. Keep all buds removed and side shoots pinched out up till about ten weeks before the time for them to bloom, the night and day temperature being kept as even as possible, 45° to 50° for night and 50° to 55° cloudy days. One of the most important parts of their culture is to make sure that there is a free circulation of air between the plants to prevent the foliage from getting decayed. After they begin to throw up the blooming shoots they will have to be neatly tied up, each plant being spread out as much as possible to keep it dwarf. Varieties that produce

but very little pollen will be found to be best suited for pot culture because there is no chance for self fertilization and therefore the blooms will carry much longer. If I had to make a choice from the varieties in cultivation to-day I would choose Adonis, Mrs. Lawson, White Lawson and Geo. H. Crane on account of their compact habit.

C. W. JOHNSON.

Carnation Show at Toronto, Ont.

The carnation show held by the Gardeners' and Florists' Association and the Horticultural Society in St. George's hall March 11 was a decided success in point of attendance and in the quality and number of blooms shown. The flowers staged both by local and out-of-town competitors were all of a standard never before equaled at a local show. For the Challenge Cup there were many entries, but Fiancee, exhibited by the Chicago Carnation Company, Joliet, Ill., won the prize, making its debut in this section. Fiancee was an interesting feature of the show and deserved to triumph though there was other stock of high merit in competition. Mgr. Hartshorne accompanied the exhibit and also staged six other vases of 100 blooms each, all of which were very well grown, showing good color and strong stems. The prize for the best collection of carnations was won by J. H. Dunlop, of Toronto, with fifteen varieties—in white, Gov. Lowndes, Alba and Lillian Pond; in pink, Enchant-

ress, Lawson and a Lawson sport. His Lawson sport was very much admired. It is a fine shade of pink. The prize for best exhibit of general stock was won by W. J. Lawrence, of Eglinton, Ont., showing very nice roses, carnations, bulbous stock and a general collection of well-grown stock in flowering plants. The Chicago Carnation Company was awarded a certificate of merit for the Cardinal which scored 80 points. The firm was given honorable mention for the collection of Enchantress, Lawson, Alba and Crusader which scored 76 points. There was some comment on the judging as the exhibits scored were in all cases about 15 points behind what they should have been given. F. R. Pierson, of Tarrytown, N. Y., sent his new dark crimson Daheim, which was a very good flower but rather weak in the stem. He also showed a vase of white Lawson, which scored 79 points, and some well grown Enchantress and Adonis. F. Dorner & Sons Company, Lafayette, Ind., sent their new varieties Lady Bountiful, which is a very good white but with weak stem, and the Belle, a large white flower with strong stem. W. J. Palmer, of Buffalo, sent his new Red Lawson, which were good flowers with strong stems. H. Weber & Sons, of Oakland, Md., sent a very fine bunch of Gov. Lowndes and their New Daybreak, which, however, had been on the road too long. The J. D. Thompson Carnation Company showed a fine vase of Enchantress. J. N. May, of Summit, N. J., sent his new white Bride, very good flowers, and a vase of very handsome Gen. MacArthur roses, which were a very pleasing shade of red, sweetly fragrant and with good long stems. They were much admired. Peter Reinberg, of Chicago, sent exhibits of his new rose, Uncle John, and Chatenay. Jno. Breitmeyer's Sons, of Detroit, Mich., sent an exhibit of their new rose La Detroit. The Dale estate of Brampton showed a collection of carnations and roses, the latter Bridesmaid and Bride. Wm. Fendley, of Brampton, exhibited a fine collection of carnations and violets, his Princess having a very large flower and long stem. J. H. Dunlop also showed a good general collection of Bride, Bridesmaid, Meteor, Ivory and Golden Gate roses, all well grown, beside a number of well bloomed azaleas and rhododendrons. Wm. Jay & Son had a nice general collection, including roses and carnations, ferns and bulbous stock. Manton Bros. had a very creditable collection of orchids and some very fine Pierson ferns, beside bulbous stock, carnations and roses. Baur & Smith sent their carnation Indianapolis, a very beautiful shade of pink and a most desirable and fragrant flower. It did not arrive, however, until the day after the show. It is certainly a very fine keeper, for after having been on the road five days it opened up fine and still looks as though it would last three or four days.

H. G. D.

Mrs. Thos. W. Lawson.

This splendid variety is gaining more friends every year, and well it may, for since the conditions under which it thrives best have become better understood it has proved itself the most profitable carnation now cultivated. However, it will have to share that honor hereafter with Enchantress. I have had many compliments on our house of Lawson this winter by visiting florists and traveling men. On February 24 I invited a few florist friends to visit our greenhouses, and in



C. W. WARD'S NEW CARNATION JUDGE HINSDALE.

(See issue of March 5, page 210.)



HOUSE OF CARNATIONS AT W. W. COLES', KOKOMO, IND.

their presence had two of the carnation houses photographed. One, a house of Lawson, 18x100 feet; the other, 23½x221 feet, planted with most of the standard varieties. The white varieties which show in the foreground of the picture are Gov. Wolcott, Queen Louise, White Cloud and Peru. The Lawsons show a uniform and healthy growth that has attracted the attention of visitors. Many have asked about our method of treatment, and perhaps some of the readers of the AMERICAN FLORIST may be interested in the manner we cultivate this variety. I firmly believe our success is mainly due to proper selection of the cuttings; and I have every reason to expect that in a few years our Lawsons will be in better shape and more profitable than they are at present. Our stock has improved every year.

In the first place we are very particular to take cuttings from only the most vigorous and healthy plants. After they have been rooted and taken out of the sand we discard all that show any signs of weakness, and after they have been potted four or five weeks we go through the hatch and throw out all that are not growing properly. In this way we get rid of the weak portion of the stock and have left only strong healthy plants, which make a better showing each succeeding year. I believe in growing Lawson as well as all other carnations in pots. Those that were potted early in 2-inch should be repotted into 3 and finally into 4-inch if there is any danger of their becoming pothound and their growth being checked. But for plants that are to be grown in the field it is seldom necessary to use 4-inch pots. Those in threes make good strong plants for field planting, and they lift much better in the summer than plants from smaller pots, as the 3-inch ball of earth usually sticks to the plant and prevents it from wilting when it is transplanted into the greenhouse. Under no consideration should the growth of the Lawson be checked. If the plants are not to be grown in the field they should be kept moving in pots until they can be planted in the house. Last year we planted from

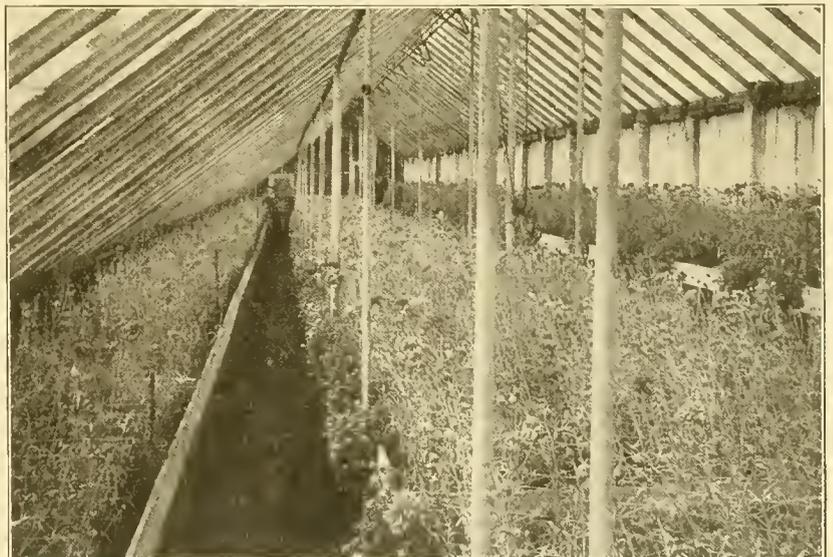
3-inch pots about June 20 in the house where they are now blooming, but we made a serious mistake in holding them in 3-inch six weeks too long. They should have been planted in the house May 1 or shifted into 4-inch pots about that time. Had we done either a much earlier and heavier crop would have resulted. The Lawson will stand stronger feeding than other varieties, but care should be taken not to use anything strong enough to injure the roots. It will take more water than most varieties and will thrive with a good syringing on all bright days. We find it does best in a night temperature of 56° to 58°. Grown cooler, the flowers split and warmer the flowers are too small. Nothing, however, seems to affect the stiffness of the stem. We have picked from this house (18x100 feet) as many as 1,060 blooms in one day, and on many occasions we have picked from 800 to 950 at one time. But these heavy pickings were after the flowers had been left

three or four days. Our general average has been for some months past about 1,000 per week. While I consider the Lawson the best and most profitable dark pink carnation to date, the beautiful Enchantress, the queen of carnations, is a most wonderful variety. Taking the season as whole it will produce as many or more flowers than Lawson, and they sell for nearly 50 per cent more on the average. Peter Fisher deserves the thanks of every carnation grower in America for giving us these two wonderful varieties. Lawson is now grown almost everywhere; no place is too large for it and no place is too small, and I predict that within three years the Enchantress will be as popular. W. W. COLES.

PALMS AND FERNS.

Potting and Spring Cleaning.

As the sun gains in strength and the days lengthen out there are many more signs of growth that may be noted among the palms, and not only the kentias but also arecas and latanias begin to show a growing color and to push up young leaves. Of course it is possible to force these plants into growth to some extent during the resting season, but such forcing does not pay in the long run, for it results in thin foliage and spindling growth. But now that a natural growth is beginning the sooner we can get at the potting and spring housecleaning the better, an early start at this work not only giving so much longer a season for plant growth, but also allowing the various repairs that may be needed to be completed and the houses put in order before the weather gets uncomfortably hot. Those growers who are fortunate enough to have only slate and iron benches throughout their houses are not so frequently troubled with the repairing and rebuilding of benches as are the majority who stick to wood for this purpose, and no matter how carefully these wooden benches are built it is only a matter of time before they give out and must be replaced. The life of a bench varies with the quality of the material and the use to which it is put, but we find the average life of a bench built of



HOUSE OF MRS. LAWSON CARNATIONS AT W. W. COLES', KOKOMO, IND.

hemlock lumber and used for growing pot plants of various sizes to be about four years, though there are occasional exceptions to this rule, as for example, a bench that is only used for young stock in 2 or 3-inch pots and does not have so great a weight to support may last for five years, while another in the same house that has to carry a heavier load

it to be a useful process at times, and especially so when one wants to make up some combination plants, this method removing the soil from the roots without breaking or bruising the latter to any serious extent. But it is very necessary to remember that no plant is benefitted by having its roots exposed to the air for any great length of time, and conse-

soon be in order, the old crowns being divided up into very small sections after the foliage has been cut down, and the sections of crown being planted in a bed of sandy soil in a propagating frame, or in flats filled with a similar compost and kept in a warm and shaded house. Some growers prefer a compost of sand and chopped sphagnum for these root divisions of *Adiantum Farleyense*, but whatever the compost the divisions are carefully planted, kept moist and well protected from the sun, and as soon as they have made a few roots and a small frond or two they are potted off in the same manner as seedling ferns and treated in much the same way. *Adiantum rhodophyllum* and *A. Victoriae*, both of which are excellent dwarf adiantums, also make a multitude of crowns and may be divided as readily as *A. Farleyense*, the young stock being treated in the same way.

W. H. TAPLIN.



PRIMULA KEWENSIS.

(As grown by James Veitch & Sons, London, England)

Primula Kewensis.

A hybrid primula of garden origin would be interesting, whatever its horticultural merits, but in *P. Kewensis* we have this and a hybrid of quite exceptional beauty and usefulness. It originated in the Royal Gardens, Kew, nearly six years ago, its parents being *P. floribunda* and *P. verticillata*. These two species are grown in quantity in pots at Kew for the decoration of the conservatory, and when in flower they are always mixed for effect. It is not known how the two were crossed, whether by wind or insect agency, at any rate it was accidental. Amongst some seedlings of *P. floribunda* was noticed one with distinct foliage, and this when it flowered proved to be a happy blend of the characters of the two species named. The same thing happened again two years later. It may be surmised that the cross breeding is effected by insects, but it is noteworthy that only one seedling in each batch was a hybrid. The capsule of *P. floribunda* contains many seeds, and it might therefore be expected that more than one ovule would be fertilized with the pollen of *P. verticillata*. So much for the origin of the plant.

It was awarded a first-class certificate by the Royal Horticultural Society in

may give out in three and one-half years. These figures may be applied to benches of various widths, provided the supports are not over four feet apart.

But the benches having been repaired and given a good coat of hot whitewash or even a coat of slacked lime before putting on the ashes or whatever material the boards are covered with, they will then be ready for the plants. This cleaning off of the old material be it ashes, sand or soil on which the pots have been placed, is well worth the trouble, there being no better way to get rid of a lot of earthworms and insects that soon accumulate on an old bench, to say nothing of the improved appearance of the house. At the time of repotting the palms, there are doubtless some growers who take the whole of a lot of small stock and repot at the same time, but in such a lot of plants even though they are all from one crop of seed there will be found many that are undersized and really not fit for a shift, and it is much better to select the stronger plants for a shift and to leave the weak ones for a later crop. By this practice one is enabled to grow a much more even grade of stock than is possible where the non-selective method is used. Firm potting is the best for palms in general, though not requiring to be rammed quite so hard as an azalea or some other fine-rooting plant, and it is particularly essential that the soil in the bottom of pots be made firm rather than that should be loose and the surface soil rammed down hard. Repotting a palm is a simple process but needs the use of some common sense in addition to a good strong potting stick.

We have frequently referred to the advantages of washing out the roots of some palms by means of a good head of water and a small nozzle, and still find

quently one should repot the washed palms just as rapidly as possible. This washing process is by no means a new idea in palm growing, it having been advised by B. S. Williams, of London, as a useful method in the recuperation of unhealthy plants in the books written by that gentleman more than thirty years ago, and Williams carried out the idea even farther, for he suggested the placing of such palms after they had been repotted in a tank of warm water for some weeks. There are, however, but few establishments in which such a course would be convenient or practicable, and we therefore depend upon placing the washed and repotted palms in a warm and shaded house, syringing frequently and keeping the atmosphere rather close until the plants become re-established.

With milder weather there is not the same opportunity for vaporizing nicotine on the heating pipes in order to keep down the insects, and it becomes necessary to fumigate the houses at intervals in order to discourage the various aphides and thrips that will appear, for these insects remind us of what is said of the very poor, namely, that they are very fruitful and are always with us. The early lots of palm seeds are now being offered, among them *Kentias Belmoreana* and *Forsteriana*, both of which are offered at comparatively low prices, *Kentia Belmoreana* bringing the best price of the two on account of its great popularity. But palm seeds are somewhat of a lottery as percentages of germination vary so greatly, and it is safer for the small buyer to get the young plants from some specialist rather than to bother with raising seedlings, a process that occupies space for many months and frequently results in partial failure. The dividing of *Adiantum Farleyense* for stock will



Primula Kewensis

1900, and the stock shortly afterwards passed into the hands of J. Veitch & Sons, whose success in its multiplication and cultivation has been remarkable. They have exhibited large batches of it in flower in February, March and April, and in their Feltham nurseries they had last year a house filled with it in flower. There are many beautiful primulas, and it is not easy to say which are the best; I should not hesitate, however, to place *P. Kewensis* in the selection which included *P. Sinensis*, *P. Japonica*, *P. obconica* and *P. Auricula*. It is easily grown, of sturdy constitution, forming in a year a good tuft of bright green leaves from eight to twelve inches long and about three inches broad, the margins irregularly toothed. The flowers are borne in whorls on erect, graceful scapes, twelve to eighteen inches long, each whorl consisting of from six to twelve flowers and leafy bracts; well grown plants will produce as many as eighteen scapes. The flowers are bright, sulphur yellow, and are nearly an inch in diameter; they are fragrant and lasting, and are most effective either in a conservatory or in table decoration.

The hybrid origin of this primula is further shown by its sterility, no seeds being matured by it, although its parents seed freely under cultivation. Fortunately it can be readily multiplied by division, every growth with a root being certain to form a plant, and as there are many growths in a tuft a good stock of plants can be got in a short time with a little skill. This is proved by the success of Messrs. Veitch who now have thousands of plants from the original ten plants obtained from Kew three years ago. When the flowers are over, say about the end of April, the plants should be repotted and placed in a cool frame for the summer and autumn. With regard to soil and water the same treatment as suits *P. Japonica* answers for *P. Kewensis*. It will not stand frost, an airy greenhouse or frame being best for the plants in winter. Liberal treatment, except for three or four weeks after flowering, when the soil should be allowed to get dry, gives the most satisfactory results. The largest plants grown so far were in 6-inch pots.

W.

A New Primula.

Our illustration shows a new primrose grown by W. K. Harris, of Philadelphia, in quantity for the Christmas trade this season, which has been received with marked appreciation. It is undoubtedly a relative of *P. floribunda* but its identity is not known by Mr. Harris, neither has any plantsman thus far been able to name it positively. The flowers are bright yellow, slightly fragrant and produced in continuous succession for months; other characteristics are well shown in the picture. It was at first thought to be *P. Kewensis*, a novelty offered by Veitch this season, but a comparison with a photograph of *P. Kewensis* shows the latter to have a long corolla tube whereas Mr. Harris' plant has a very short tube. Whatever it may be, it is certainly a very useful addition to the list of acceptable house plants and, as it reproduces readily from seed, will undoubtedly soon become widely disseminated.

HAMPTON, IA.—The Curtis Floral Company is planning extensive improvements to their grounds and greenhouses the coming season.



PRIMULA BUTTERCUP.

(W. K. Harris' new primrose)

Dahlia Propagation.

ED. AM. FLORIST:—Are dahlia roots produced from root cuttings equal to those produced from divided tubers?

W.

We hold the opinion that dahlia roots produced from cuttings are as good as those produced from divided tubers.

WAGNER PARK CONSERVATORIES.

Much depends on the circumstances. I assume that conditions are favorable in each system, and if such be the case there would be but little or no difference in the quality of the two products so far as blooming is concerned. Where a commercial grower uses due care in selecting stock plants from which to take cuttings, and then exercises the same care not to over-propagate, or propagate too far into the spring, I see no reason why he should not have a stock of roots in the fall practically equal to stock grown from divided tubers. Personally, I use divided tubers almost exclusively for growing commercial stock, principally for two reasons. There is much less danger of getting varieties mixed, and I am strongly of the opinion, based on years of experience, that dahlias propagated from cuttings for a number of years will become shy producers of roots. This last objection, however, is a matter of quantity rather than quality. I like the European

method of sending out what are known as "pot roots." These are grown from cuttings but instead of being planted out are grown and ripened in a small pot, thus allowing the vitality of the plant to return to the root instead of being destroyed by frost. These pot roots are very small—too small for the average American—but they make excellent planting stock. This article does not take into account the rooted cuttings or what are commonly known as green plants. As I understand, the question applies only to the plant one year after the cutting has been rooted.

W. W. WILMORE.

Where dahlias are properly propagated, using good strong healthy stock, the cuttings taken at the proper size and stage of growth, struck in pure sand in a moderate temperature of about 55°, giving the cuttings ample room, potted, and the plants set in the ground during May, they will give much stronger and better clumps and are considered by florists generally as being superior to roots grown from divided tubers. The reasons for this are obvious. On the other hand, if first-class stock is not used to propagate from; if the cuttings are not rooted in a clean, pure, well ventilated house; if the plants are potted up and allowed to become thin, drawn and hardened, making slender weak plants,

and are planted in the ground late in June or July; or if they are planted very close together and worked with a wheel hoe, as compared with the divided tubers receiving more space, they would, of course, be inferior. No matter what method is used in propagating dahlias they are plants that require plenty of room, air and light. We propagate by divided tubers as far as our stock permits because it is the cheapest method, but many of our largest customers specify, "We prefer roots grown from green plants." The principal reason for this is that as the green plant has but one stem and consequently but a two eye system, these eyes are developed better and by not sending up so many shoots, the following year send up much stronger ones and give better satisfaction to their customers. Besides this the roots are more compact and are not so apt to have their necks broken in handling. Stating the question in this way: Suppose divided roots were planted in rows four feet apart and one foot in the row, strong well grown plants the same distance apart, the divided roots sending up two to four shoots and the green plants, of course, having but one—it is needless to say that the green plant is going to make the largest stem and root, and develop its eyes much better than the divided root which has so many more eyes. The principal objection to propagating from green plants in commercial dahlia growing is the additional expense over propagating from divided tubers, as in addition to the expense of growing and rooting the cuttings and potting the plants, they must be shifted and given plenty of air and space to prevent them drawing in order to keep them strong, stocky, little plants up to the time they are planted in the field. W. P. PEACOCK.

Canadian Horticultural Association.

EXECUTIVE COMMITTEE MEETING.

Ottawa was the scene of the executive committee meeting this year. Delegates turned out well, east and west about even. The convention will be held early in August, probably the week before the S. A. F. convention. The exact date will be fixed in a week or two. The trade exhibit is to be made a special feature. Certificates of merit, diplomas and honorable mentions will be given to worthy exhibits. Professor Fletcher, of the dominion experimental farm, will give a lecture at the second evening session, if possible illustrated with the stereopticon. There will be two essays read. The secretary was again instructed to write to the minister of customs urging the placing of azaleas on the free list. A great deal of business was done at the meeting, the effects of which will be seen in the programme and at the convention. The weather was cold, the reception by the genial President Mepsted and the other Ottawa boys warm. Every Canadian florist should make up his mind right now to attend the convention and begin saving at once. A look over the experimental farm alone is worth the money.

BROOKLYN, N. Y.—Robert Colhessy, a florist of North Henry street, left home on Tuesday morning to go to work and he has not been heard from by his friends since.

ST. JOHNSBURY, VT.—Percy Rogers, who has had charge of Mrs. Gibb's greenhouse, left Saturday to assume the management of C. E. Mansfield's greenhouses at Fitchburg, Mass.

The Parks of Washington, D. C.

The question of a vista through the mall from the capitol to the monument has taken definite form in the United States senate. Senator Newlands has introduced a bill, providing in effect for a space of 800 feet between buildings to be constructed on the north and south sides of the mall. In speaking for his bill, Mr. Newlands stated that he favored placing government buildings on Pennsylvania avenue rather than on the mall, but he considered it a wise precaution to preserve the 800-foot space in the case of such buildings as may be erected under the existing law. He reviewed the work of the park commission, saying its plans had followed closely the lines laid down by General Washington and carried out by L'Enfant. The necessity of his bill, Senator Newlands said, was made prominent by the proposition to place the new building for the department of agriculture in such a way as to reduce the central space of lawn to 600 feet. He said there was no proposition to convert this space into a boulevard. Instead of the proposed boulevard there would be a great lawn 300 feet wide through the

mall, from the capitol to the monument, and on each side of this would be planted rows of elm trees forty-five feet apart. A roadway on each side of the 800-foot space would be provided along the building lines established, in case the government should wish to have public buildings there. He added that there was a very general sentiment favoring the south side of Pennsylvania avenue for public buildings, in order that it might be rescued from its present deplorable condition. In the course of his remarks Senator Newlands said that in a few years expositions would be held in this city every ten years, as they are in Paris, and the mall would be the proper place for such expositions.

On Saturday, March 12, the senate district committee held a public hearing at the capitol. Members of the house district committee were invited to sit with the senate committee. As showing the great interest manifested in this matter, the names of a number of men prominent in building and landscape architecture who were present at the hearing are here given: Frederick Law Olmsted, of Boston; D. L. Burnham, of Chicago, and



JAPANESE LONGIFLORUM MULTIFLORUM LILY.

(As grown by Samuel Pearce, Chicago.)



GENERAL VIEW OF WASHINGTON, D. C.

C. F. McKim, of New York, composing the senate park commission; W. S. Eames, of St. Louis; Frank Niles Day, of Philadelphia; Augustus St. Gaudens, the sculptor, and Dr. B. T. Galloway, representing the secretary of agriculture, and Secretary S. P. Langley, of the Smithsonian Institution. D. L. Burnham referred to the scheme of Washington in the laying out of the city. He said a town near Connellsville, Pa., had been seen by the commission whose park was laid out by Washington himself, and its similarity of plan with the plan of this city proved that the plan for the capital's streets and avenues was the conception of Washington himself. They had then sought by every possible way to discover the intentions of Washington, had gone abroad and visited places in this country to seek the best ideas for improvements. The proposed improvement of the mall, he said, was finally decided on as the only fitting one for such a parkway. Examination had resulted in convincing them that there should be four rows of trees on either side of the parkway of the mall. The necessities of the case were such that 800 feet would have to be used. He favored the erection of the building for the department of agriculture on a site on the north portion of the mall, rather than on the south part. He would prefer, first of all, to have that building at Fifteenth street and Pennsylvania avenue, but still he would be willing to state in writing that Fifteenth and B streets

on the land of the mall would be satisfactory to the park commission. So far as the suggestion for a national park on the mall was concerned, he said that was a matter of taste, to be decided by educated men. The commission thought the formal treatment of the mall was the proper one. Both the capitol and the monument were of the most formal nature, so that a formal treatment of the mall seemed to be the one to commend itself to the park commission as without doubt the most desirable.

W. S. Eames, president of the American Institute of Architects, explained to the committee how all over the country, since the park commission's plans were gotten out, various cities had undertaken to devise plans by which they could be developed on harmonious lines. This was eminently the case in Cleveland, Philadelphia and St. Louis. What was recognized as desirable for those cities was even more desirable for this city. Franklin Smith did not believe in the formal treatment of the mall as proposed by the park commission, but thought that it ought to be retained as a pleasure park for the people of South Washington. Senator Newland's bill is now in the hands of the senate district committee.

The illustration herewith shows the mall, looking east from the Washington monument. In the foreground and to the right are the buildings of the agricultural department. The Smithsonian

Institution and the national museum stand a short distance beyond. The capitol and congressional library will be easily recognized. S. E.

A Traveler's Note Book.

In my travels I find that roses on their own roots (indoors) are nearly all badly infested with eel worm, but have not seen any so far on grafted stock. The new rose Killarney is giving very good satisfaction and will be largely grown next year. Gen. MacArthur is also doing very well.

In carnations Enchantress is ahead of everything. Adonis is doing better as the days lengthen, but it is too shy a bloomer. White Lawson is doing as well as its parent ever did and is not bursting very much at all. The sale of this variety is phenomenal and it is questionable if it will be possible to fill all the orders.

The planting of *Rhododendron maximum* and *Kalmia latifolia* on private places is largely on the increase and more will be planted out this spring than ever.

TRAVELER.

AMSTERDAM, N. Y.—Hilton & Schutte have dissolved partnership, Mr. Schutte retiring.

ITHACA, N. Y.—Bills before the state legislature provide for Cornell university a new horticultural building.

WITH THE GROWERS

Easter Plants at A. Schultheis'.



The long ranges of plant houses at College Point, Long Island, crowded to the doors with roses, heathers, lilies, hydrangeas, genistas and azaleas in endless variety, present an inviting appearance now and a cheery promise of a bountiful Easter show. Ericas have been steadily gaining a foothold in the popular fancy each year of late, and Mr. Schultheis has done much to bring about this appreciation by presenting these graceful little subjects in satisfactory shape and ever-increasing variety. Each year sees a few additions to the bench of unfamiliar varieties, under test as to their behavior under American conditions and their adaptability for the commercial florists' use. The number of sorts in sight for this year's Easter demand is greater than ever before. The use of ericas is no longer confined to Christmas and Easter, however, for the melantha of Christmas is followed by a succession of other varieties which continue the line uninterruptedly all through the winter season.

Mr. Schultheis' Rambler house is a veritable museum of chairs, baskets, arbors, anchors, horseshoes and whatnots. The ingenuity displayed here in evolving novel designs in the training of Easter Crimson Rambler roses is equaled only by the infinite patience and labor expended thereon. Some communities there are that prefer their roses in bushy specimens of natural appearance, but as Mr. Schultheis is a man of alert business sagacity, who knows better than to indulge in profitless work, it is evident that in New York at least these remarkable contrivances find ready admirers. A favorite form is that of a basket, some of the branches being trained over to form a handle. Bougainvilleas are also trained in like manner. The Farquhar and Perkins roses are being tried this year, with the hope that they may make serviceable companions to the Crimson Rambler. Other varieties experimented with in past years have proven unsatisfactory.

The outfit of an up-to-date Easter plant grower requires an equipment of storage sheds, preparatory houses, finishing houses, etc., such as the grower of a few years ago had no conception of. Palms and similar things are side-tracked for the time being, and a regular routine is established for each class of plants according to their special needs. Once decided upon, this routine is carefully adhered to and sad is the fate of any employe neglecting established rules of temperature, fumigation, light and shade or watering as based upon years of experience. Mr. Schultheis forces 140,000 tulips each season, which means an average output of 10,000 weekly. Without going into detail as to varieties grown, which are well known to all tulip forcers, mention might be made of White Hawk, a variety which Mr. Schultheis regards as a coming standard sort, as soon as the stock obtainable is sufficiently large. It is of purest white and excellent substance. Three weeks is the average time given to tulips and Dutch hyacinths, from their removal from the cold storage sheds until ready for market.

A house of Bermuda longiflorum lilies presents a picture of health and vigor cal-

culated to restore suspended animation in any discouraged lily grower. Nothing finer in the lily line has been seen in recent years. Hydrangea azurea, first seen in the New York Easter market last year, is being grown in large quantity this season by Mr. Schultheis. The color of its flowers, when they come, is glorious, but the proportion of blind shoots is apt to be large, under present cultural methods, and something has yet to be learned as to how to secure its best development. A prime acquisition is Spiræa (Astilbe) Gladstone. The flower spikes are branching and of enormous size, each individual stem bearing as much bloom as an entire plant of the familiar old Japonica.

W. W. Edgar, Waverley, Mass.



Easter specialties are advancing at a rapid clip at the greenhouses of W. W. Edgar at Waverley, Mass. In nearly everything in flowering plants that safe stage has been reached which wise-headed growers like to attain where buds are so well advanced that they can now beside-tracked in cool quarters ready to be brought in and pushed ahead should the exigencies of the weather make this necessary and, in any event of weather, can be depended upon to respond in full bloom just when wanted. It thus becomes a question of retarding instead of forcing and the plants will ultimately

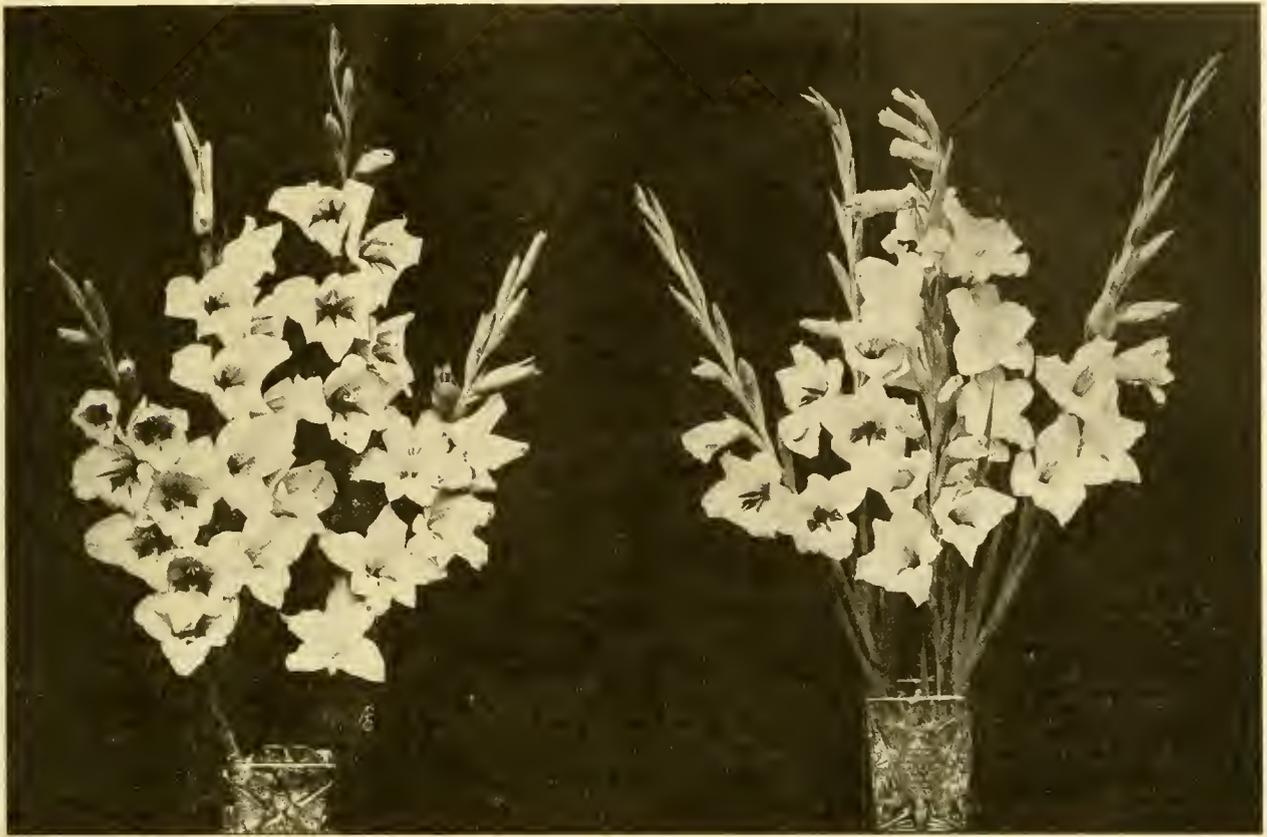
give greater satisfaction to the buyer on this account. Already the vast cool storage shed is well filled with specimens practically finished and only awaiting the command to burst.

There will be the usual unrivalled display of acacias here, also genistas and azaleas in large quantity. Mr. Edgar complains, as others have done, of his inability to secure during the past season the proper proportion of azaleas in small sizes. The demand in the Boston market runs strongly to the small sizes, the price which the grower must get for plants that cost \$3 or \$4 apiece on other side being prohibitive for the purses of the vast majority of Easter plant buyers. He reports, as have all others who have given them a trial, especial call for the miniature varieties such as Firefly, Hexe and Chas. Encke, of which many thousands could be sold beyond the available supply.

In Crimson Rambler roses the same is true in Mr. Edgar's experience. He is stocked with plants of the medium and small sizes mainly and the training is confined to the low bushy form which is the only acceptable form for this market. There will be a fine house of Brunners in pots. The usual trouble with the pest known as the "leaf roller" is being experienced, Brunner seemingly being a favorite variety for this grub's appetite. Hand picking is the only available resort and eternal vigilance is essential. Lily of the valley in pots and pans is a regular output with Mr. Edgar the season through until Easter. A batch of pips is put in



HYDRANGEA AZUREA AS GROWN FOR EASTER BY LOUIS DUPUY, WHITESTONE, N. Y.



GROFF'S HYBRID GLADIOLI.

once a week, the quantity based on the approximate demand. The margin of profit on this specialty is so narrow, however, that great care must be exercised not to overstock as the flowers last but a short time in salable shape and the loss of a few unsold pans wipes out most if not all of the profit on the remainder.

Lilacs look very promising. The leading varieties with Mr. Edgar are Mme. Lemoine, splendid double white, Mary Legray, simple white and Souv. de Louis Spath, single dark. Referring to recent Christmas experience he says that the sale of *Cyrtomium falcatum*, the "holly fern," in small pans was phenomenal, the demand far exceeding the supply on hand. Mr. Edgar has been eighteen years at his present place. His business has now outgrown the area of land and next spring he contemplates beginning the erection of a large range of houses on a farm acquired for this purpose some time ago.

The Aschmann Greenhouses.

The visitor to the greenhouses of Godfrey Aschmann is generally given a surprise with every visit as the place changes as if by magic with the different seasons. No matter when one calls, every foot of space on the tables, above as well as below, is paying the proprietor as it is seen filled with stock in all stages of growth. At present, Easter plants hold the boards while cuttings and seedlings occupy the shelves and flats suspended above, waiting their turn to be potted and brought on for the spring sales. Underneath the tables are geraniums, palms, rubbers and other plants in more or less light places, stored away temporarily to make needed room. The lilies, azaleas, spiræas and cinerarias and

the bulbous plants which comprise the bulk of his Easter stock are all in nice condition. His Vander Cruyssen azaleas are as fine plants as it seems possible to get in 6-inch pots. They were selected personally by Mr. Aschmann in Europe last summer. The cinerarias are a particularly fine strain and very well grown. Lilies are in good shape, except the Bermudas which show some disease. Mr. Aschmann vowed he would have nothing but Japs after this, but when reminded of the war said, "Ah, that is so, maybe I will have to be satisfied with the Bermudas next year." Mr. Aschmann does a large bedding plant business and in a week after Easter the houses will be crowded with such stock. Moon flowers are a specialty with him, his annual sales being over 10,000 plants. Next fall the houses will be found full of palms, rubber plants and araucarias of which stock he is a large importer. We question if there is an establishment in the country of the same size that turns out as much stock. K.

Shipping Gardenias.

ED. AM. FLORIST:—Please inform me of the proper way to handle cut blooms of gardenias for shipment of about fifty miles so that they will arrive in good condition and not to be blighted in any way. J. B. W.

We pack them in a box the same as roses, but every third row we put a cleat across and nail to the sides of the box so that the flowers cannot move. When we have finished one layer we cover all the blooms with about half an inch of raw cotton, and on top of this we put a layer of tissue paper. We find they ship this way very well. ROBT. SCOTT & SON.

The Gladiolus.



Arthur Cowee, of Berlin, N. Y., was the lecturer before the Massachusetts Horticultural Society, March 12, his subject being "The Gladiolus." He spoke in part as follows:

"Early in my experience with this flower, being obliged to assume more important responsibilities in connection with other interests, I was unable to develop the industry as I had planned, and in the manner in which I have been obliged to handle it advancement has not been as rapid as anticipated, until within the past five years, when I have been able to devote more time and attention to it. I have been preeminently aided by a gentleman who has made a scientific study of the breeding of this flower for upward of twenty years, H. H. Groff, of Canada, a banker by profession, but at the same time the most successful and enthusiastic gladiolus hybridist in the world. Until I saw his creations I had been spending thousands of dollars upon foreign and domestic novelties, to be again and again disappointed, not only with the quality of the bloom but the weak vitality of the corm.

"The gladiolus is a native of Central Europe, the Mediterranean region, West Asia and Africa. The headquarters of the genus are, however, in South Africa. The different species are too numerous to mention. Most of them produce very small flowers compared with the modern hybrids, and few of them are of much value to the successful hybridizer of to-day.

"The best soil for the gladiolus is a

sandy loam, containing a trace of clay, but only enough to assist in retaining moisture. Fall preparation of the soil is preferable, but, if neglected at that time, spring fertilizing should be given with thoroughly rotted manure, and care should be exercised that the bulbs do not come in contact with it. Careful selection of soil best adapted to the different strains is most important and the correct amount of proper food to use, and shallow or deep cultivation are among the many details which enable the grower to produce strong, healthy bulbs that will withstand the many climatic conditions under which they must be planted.

The time for ploughing (in the fall) is necessarily short, for the ground where bulbs have been grown one year must be used, or new soil from which the crop of potatoes, corn, grass or grain has been removed. All stable and coarse fertilizers are worked into the soil at this time, while the chemical fertilizers are placed in the drills before planting. In the spring the ground is again loosened and drilled. The bulblets three-eighths of an inch in diameter and upward which are graded by screens are placed in the drill one and two inches apart according to size, and two, three and four across the row accordingly, and are then covered with earth. The large stock is planted in rows thirty-three inches apart, while the small cormels (black) are sowed in rows twelve inches apart.

"This labor requires about one hundred men and boys for an acreage of seventy acres. Weeding in some seasons is a most expensive operation; the past season being one of the worst we have ever experienced in this regard. After the spikes begin to appear above the surface, horse cultivators are kept busy in the larger stock, and it is not unusual to see half a dozen wheel hoes in operation in our fields. After the bulbs begin to appear in the large stock, all cultivation ceases.

"During the blooming season the roguing and classifying is done, mostly by girls, as they have a better eye for colors. At harvest time ploughing on each side of the rows loosens the earth and raises the bulbs sufficiently so that they are easily lifted by hand and the tops are removed, after which the bulbs are spread upon the curing sheets where they remain for from one to three days. They are then placed in trays in the bulb houses, where until planting time the temperature is kept as near forty degrees as possible. The tedious work of removing the roots is done at leisure, during the winter. The grading, counting and execution of orders as well as the arranging of planting stock is done by the most experienced men.

"While personally I have given little attention to hybridizing, my part of the work being the commercial end, still I have made many and extensive experiments with fertilizers to the end of producing an exceptionally strong and healthy bulb.

"The early Groff hybrids were the result of crossing the species with the then best commercial types. The later hybrids are from species both wild and domestic crossed with the best novelties obtainable in the world, as well as with new and stronger types produced by Mr. Groff. I can safely say that if you are familiar only with the ordinary gladiolus, or even if you have planted quite largely with the high-priced European and American novelties, you have no idea of the grand surprises in store for you from the many

thousand varieties contained in these new hybrids."

Louisiana Horticultural Society.

At a meeting February 11 and 12 the Louisiana State Horticultural Society was organized, officers elected, a programme carried out, and plans laid for the next meeting. There will probably be a mid-summer meeting of the society sometime in July, in Shreveport, and measures will be taken to have a display of fruit of that season. Louisiana needs a large and active Horticultural Society, and the outlook to-day is very promising. A constitution was adopted, and the following officers were elected:

President, A. K. Clingman, Keithville, La.
 First vice-president, Wm. Nelson, Jefferson Parish, La.
 Second vice-president, R. S. Moore, Naomie, La.
 Third vice-president, B. M. Young, Morgan City, La.
 Secretary and treasurer, F. H. Burnette, Baton Rouge, La.
 Executive committee: Maj. J. G. Lee, Baton Rouge, La.; S. H. James, Mound, La.; W. H. Todd, Gibsland, La.

BIRMINGHAM, ALA.—The public library committee will give a flower show this spring, probably some time early in May.

YOUNGSTOWN, O.—H. T. Winter, who has been in the employ of Walker & McLean for three years, is now with J. W. Alexander, of Charleston, W. Va.

D. O.



A VISIT to Rhinebeck, N. Y.

The present winter has been a hard one on the violet growers. The ubiquitous Greek has had few days to do business, and even when he could open up few women cared to risk the tender blossoms in the zero breezes. We had often heard of Rhinebeck and its famous violets, but never before had the opportunity to see the violet at home. Rhinebeck is a rather quaint old hamlet. We take the Hudson River railway to Rhinecliff, and as we get off the train we see two or three stage coaches of the old-fashioned kind waiting to take us on to Rhinebeck. We wend our way slowly up the hill for two or three miles, where the air is bracing and clear. As we jog along we pass eight wagon loads of violet boxes, not a few boxes, mind you, but piled up high, all enroute for the New York market,



CRYPTOMERIA JAPONICA.

(Grown as a pot plant by Jackson & Perkins.)

and we are warned of our approach to Rhinebeck by the strong odor of violets, which is very perceptible. The day was rather mild and nice when we got there, and full air was on every violet house. It certainly did one good to get out of the din, dirt and smoke of the city to such a perfume-laden atmosphere.

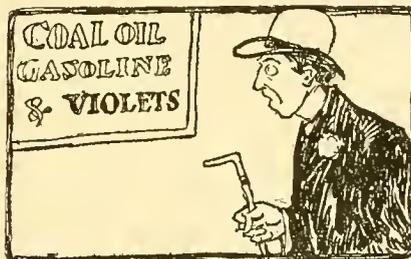
The bulk of violet houses are massed together on rising ground between the village and the river. So far there is none of the "trust" or "factory" savor about Rhinebeck and its violets. Most of the growers have only one house. Some have two and a few have three houses, but the majority of them only one house each. The houses are all alike, and so far as we could discern the returns from every house visited were much the same. The houses all are about 34x100 feet, running north and south. There are three beds in each house, each ten feet wide, one on each side and one in the middle, and two pathways, two feet each. The sides of the houses are without glass and the plants are in solid beds. The houses are heated by hot water, a four-inch flow and return on each side and a flow and return in the middle, the pipes being far enough above the plants to cause no danger from red spider.

The wonderful success that followed the first attempt at violet growing in this section ten or twelve years ago has been the incentive for the building up of such a business. All and sundry fell in line and to-day the violet growers of Rhinebeck are men who formerly made their living as farmers, carpenters, painters, etc. The great majority of them have no knowledge of horticulture beyond this, but they have each imitated the former successful cultivators so implicitly that the results vary so little as to be almost imperceptible. The bulk of the work connected with violet growing is in picking and hunching the flowers. For this work boys are largely employed. A man and a boy is usually employed in each house. The plants are watered about once a week, and in dull weather once in two weeks. The dead leaves are also picked off and otherwise the plants are kept clean. At the present time 2,000 flowers a day is the average pick on such houses. No sooner are they over the benches once than they commence at the other end again. A flat board about eighteen inches wide is used in picking the side benches. This is fixed up trolley fashion and the picker sits in this and propels himself along, not having to get up until he reaches the further end.

The growers have not been getting the same prices this winter that they have done in former years and consequently the ranks will not be so largely augmented as was expected at the beginning of the season. The prevailing opinion is that at 35 cents per 100 violets pay expenses. The prices on an average have ruled slightly above this this winter, so no one will have to assign who has been reasonably careful. Never in our experience have we seen such high quality of flowers. The size is great, the color excellent, the stems good and the shining green of the leaves betokens the best of health. Propagation has not commenced yet, but will as soon as Easter is past. In speaking of propagation the growers spurn the idea of crown cuttings so often advocated. They select exclusively the small runners, those that have not as yet shown any flower buds. The growers here believe that a runner that has shown a flower at all is no good for future use. The runners are rooted in

sand in the usual way and no Irishman's cuttings are taken, i. e., cuttings that have emitted roots before being severed from the parent plant. As soon as they are rooted they are pricked off thickly in a part of the bench. They are never planted outdoors at all. The soil is renewed every year, the houses washed down and a good rich soil put in. The soil here is a medium clay loam and this is enriched with lots of animal manure. The plants are planted in their permanent quarters about the end of June or beginning of July. The glass is shaded and all the air possible given. They are planted about nine or ten inches apart each way. Very little feeding is given throughout the growing season and they do not seem to need it. As soon as they begin to flower a mulching of woodchips is applied. This is principally to keep the soil from splashing when watering is being done, and thus the flowers are kept clean. Such is the modus operandi, simplicity in itself, but we question if the same results could be obtained in any other part of the country. Certainly we never knew it in our experience.

TRAVELER.



The Violet Trust.

Down goes the heart of every anxious beau—

Each lover's hopes are tumbled in the dust;
The bosom of each swain is filled with woe.

For violets are cornered by a trust.
Along with oil and steel the purple blooms
Are held within a grip fi-nan-ci-al,
And dark despair on Cupid's visage looms.
For violets cost twice as much per gal.

What though the parlor lights are burning low?

It does no good to save the cost of oil.

To-day the total evens up, you know,

Since violets are added to the spoil.

Quotations will read "Violets Preferred"—

What man will dare be e-co-nom-i-cal?

To greater lavishness he will be spurred

Since violets cost twice as much per gal.

In future his expenses may go down.

For pipe lines may convey the blossoms fair

In purple streams from mossy dell to town,

And tank cars, too, may haul them everywhere.

Trust violets may cause the maiden's trust

In him to grow—but that's chi-mer-i-cal.

The price is fixed, and he'll pay what he must,

When violets cost twice as much per gal.

Alas, however, all the charm is gone—

The gleaming dewdrop that was wont to come

And, jewel-like, the blossom cling upon,

Now seems a globule of petroleum.

The subtle perfume from the clusters damp

That used to haunt the sense, hereafter shall

But make us think someone upset a lamp—

Since violets cost twice as much per gal.

—Chicago Tribune.

LITTLE FALLS, N. Y.—Chas. J. Pepper died suddenly of heart disease on the morning of March 3. He was 72 years of age.

PIERRE, S. D.—The American Mushroom and Greenhouse Company has been incorporated here with a capital stock of \$300,000.

KOKOMO, IND.—A number of trade friends visited the establishment of W. W. Coles recently and expressed themselves as highly pleased with the excellent condition of his stock. Among those present were: Messrs. Stuart & Haugh, of Anderson; J. A. Newby, of Logansport; J. W. Bernard, of Marion, and Adolph Baur, of Indianapolis.



RHUBARB forced in the dark gives a beautiful pink product much more tender and brittle than that forced in light.

THE cucumber houses and crops of E. L. Durbee at North Leominster, Mass., were badly damaged by fire and subsequent freezing on the evening of February 26. Loss on the houses \$800 in addition to the value of the crop.

CHARLES UFFLER, of Baltimore, Md., has gathered two quarts of indoor strawberries every week since Christmas, some of them one ounce in weight. He considers Sharpless best for forcing, and expects his supply will continue the same until Easter, and perhaps later.

ARTHUR GRIFFIN, gardener at Sea Verge, Newport, R. I., is now on his second crop of melons for the season and it is estimated that fully 1,000 melons are already in sight on the vines. Strawberries, asparagus, rhubarb and celery are also grown in large quantities by Mr. Griffin.

MICHAEL SULLIVAN, of Revere, Mass., gave an interesting talk on "The Ideal New England Market Garden" before the Worcester County Horticultural Society on March 3. In the course of his address he said that results rather than present economy should be considered in the building of greenhouses and storage cellars and that the business of market gardening as now conducted calls for the highest order of intelligence to be successful. He recommends a solution and spray of arsenate of lead as a remedy for blight in melons and cucumbers and favored frequent rotation of crops as a partial defence against this and other prevalent diseases.

Mushroom Spawn.

I may say that not only have we been successful in obtaining pure cultures of the spawn grown direct from the mushroom itself, writes Prof. Duggar, of Columbia, Mo., but these cultures have been used for the manufacture of a commercial mushroom spawn, both by ourselves and by practical men co-operating with us. The spawn thus made has been tested in comparison with what we suppose to be the best English and French spawns to be obtained on our American markets during the past season. In general I may say that the vigor of this spawn made from our pure cultures is beyond question. The yield of this spawn has been extraordinary, but unfortunately in most cases we were unable to compare it satisfactorily with the imported spawns for the reason that in nearly every instance the imported spawn has failed to grow. The latter must, therefore, have been stored under improper conditions before reaching us, so that the most we can say concerning this matter is, that the purchase of spawn which has long been upon the market is certainly a hazardous matter, or at least it has proved such in this case.

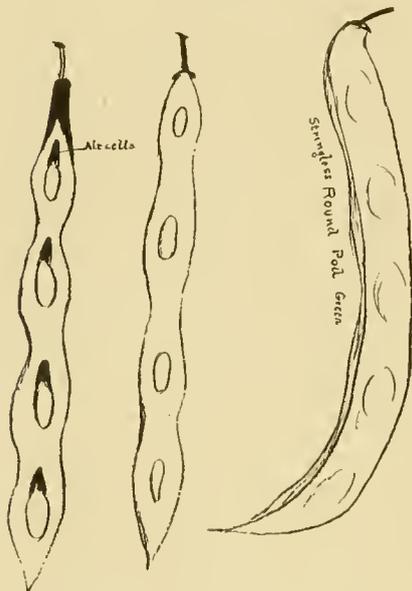
The mushrooms which we have grown have been of excellent quality and flavor, and to test their shipping qualities, small quantities have been shipped to the east

and have arrived at their destination in a satisfactory condition.

Improvements in Vegetables.

[Paper by J. Ottn Thilow, read before the Farmers' Institute for Philadelphia County, Philadelphia, Pa., January 19, 1904.

The improvements in vegetables in the past decade have been many. Constant experimenting with some of the older sorts have improved them in quality, thus bringing some obsolete types back



Improvements in Vegetables.—Fig. 1.

among the standard varieties. While many varieties are constantly coming to the front, it does not prove that their quality is such as to obliterate many of the older and well tried sorts; a new variety of any of the genera which is entirely distinct and unlike its predecessors, possessing good qualities, comes to the front with some gusto, which lasts a short time; the variety remains on the list and comes in regular order with the rest of its numbers.

The time has come when the public are more critical, and through their constant use of vegetables where facilities afford, have fixed on their lists the desirable sorts wanted. Tastes vary. There are preferences, such as white or green asparagus against purple, wax-podded beans against green pod, because they appear more tender and brittle, although they do not possess the flavor; white beets, because they are sweeter; small-grained corn, because it is sweeter and with deep grain and small cob, and so on through the list, not always because of better quality, but often for appearance.

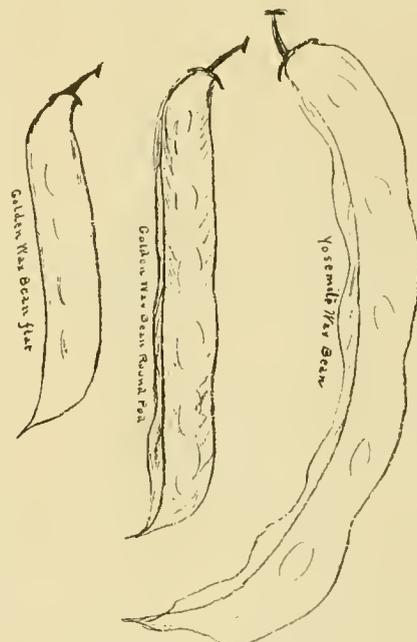
It is not my purpose to weary you with the results of experimenting which is constantly going on to obtain new and improved sorts, but to refer to some practical points and name some improvements which might appeal to you to be of value, and point out something new and interesting. You may know that this is a very brief part of this extensive subject when we refer to Bulletin No. 21 of the department of agriculture, which gives American varieties and synonyms for 1901 and 1902. It is a book of 402 pages, closely written. What have the improvements been, how do they benefit us, and what types are desirable to seek?

Regardless of varieties, let us omit names and give some results of years of experiments and cross-breeding along with high cultivation.

Artichoke.—The globe variety has been improved by cultivation. A very small portion of the globe is edible, hence it is necessary to grow free and full.

Asparagus.—Through high cultivation this has been brought to a state of perfection. Deep planting and plenty of space between the plants has produced this. The sorts preferable are the large stalks, green tops. Under this class there are at least four varieties.

Beans.—The green sorts of the bush, commonly known as the snapshot, have been much improved, the round-podded varieties almost together for summer use. The stringless are without doubt the nearest approach to perfection, they are early, large, and very tender and continue much longer in bearing than the flat-podded sorts. It has also been discovered that the oldest of the flat-podded American sorts are excellent for forcing, and far superior to some of the famous imported varieties for that purpose, which we only a few years ago deemed indispensable. In the wax-podded sorts the same advancements have been made through constant improvements. Many of these have been brought to perfection in the production of round-podded varieties. It has been the object of the bean raisers to grow for a small number of grain to the pod, while less profitable to the seed producer, yet good quality is the object and also to overcome the air cells above the seed and the neck of the pod, thus producing less string and more flesh, thereby producing longer bearing season and larger pods. In the pole varieties the same improvements have been achieved as in the bush sorts, both in green and wax sorts. The Lima bean has made

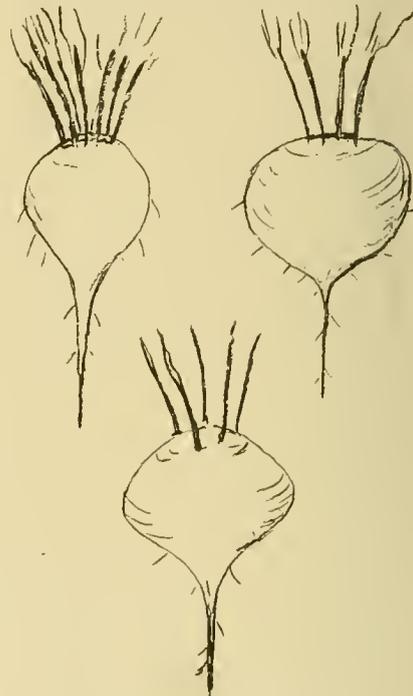


Improvements in Vegetables.—Fig. 2.

very perceptible advancement, starting with the long-podded thick-skinned, white-seeded bean, to the shorter pod, with more beans and much thinner shell. These are also doubly prolific and of much better flavor, a-greater luxury for the table and more profitable for the market gardener. These types have also been dwarfed in both large and small

Lima, and are now known as the bush form of Lima bean which we now have in about six varieties.

Beets.—Of the table sorts we may note the varieties produced by crossing the best of the deep blood with the white, thus giving color and sweetness combined, also earliness with small top, making good forcing varieties. These are not so desirable for summer sowing as the deep blood sorts with heavier top.



Improvements in Vegetables.—Fig. 3.

This is imperative to produce a tender deep color turnip-rooted beet during hot weather.

Cabbage.—The improvements are not numerous but of value, particularly in early sorts which have been crossed with larger types, thus giving large crops very early in the summer. In the later sorts large heads and long-keeping varieties have been added.

Celery.—This important vegetable is the most critical of the market gardener's stock; he must have the new early varieties. Many new sorts, which are good and of good keeping quality, have been introduced. Consumers are seldom treated to the good quality of celery, excepting those who have their own private gardens, as the largest quantity of this vegetable comes from the celery-growing districts of the northwest, where it is planted close over the ground, thus bleaching without banking. This method never produces tender celery regardless of the sort, new or old. It is thrust upon the market earlier than our home growers can produce it fully grown and bleached. The latest introductions are the Golden and Rose colored combined, possessing earliness and high flavor.

Corn.—This is among the species which permits of crossing easily, thus requiring close selection. The introductions have been mainly of the zigzag types with large ears and deep grain, thus maintaining sweetness. Growers are still hard at work endeavoring to produce these types in early sorts.

Cucumbers.—These have been im-

proved, particularly in the large deep green sorts, which withstand the hot weather without losing color.

Endive.—A much used salad by the chefs, the curled sorts with large white rib, although the broad leaved sorts known as escarolle are now used largely. They must be thoroughly bleached.

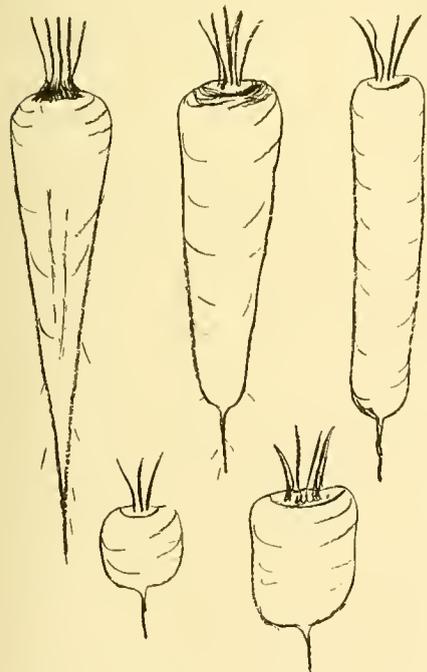
Lettuce.—Of this vegetable much could be said, new introductions of excellent quality, both for forcing early open ground and summer growing.

Melons.—Like all cucurbitaceæ, these are susceptible of producing numerous varieties. Many new sorts are introduced, but soil and location does not always suit. The orange-fleshed, netted varieties are more extensively grown. A few of the green-fleshed muskmelon sorts have been very much improved. The same is true of watermelons; many introductions, the most valuable being the hard rind and fine grained flesh.

Onions.—All the new sorts produced have been of the quick-growing and full maturing from seed the first year.

Peas.—Improvements of value have been along this line, and much appreciated by all who use this much prized vegetable. Within a few years the large green wrinkled sorts have been brought to perfection in tall and dwarf varieties, maturing in three days after the extra early round seeded sorts. Other varieties have been introduced which endure our hot summers, thus giving green peas a larger part of the summer. The sugar or edible pod sorts are of excellent quality and have been greatly improved; these are used pod and grain.

Radish.—Among these several new sorts have been introduced, scarlet and all white, very short top forcing sorts, which are good.

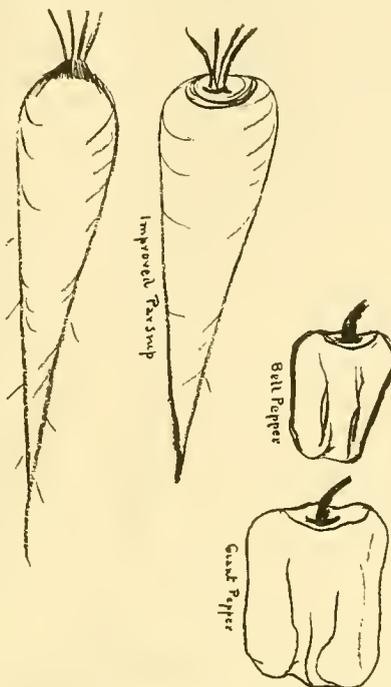


Improvements in Vegetables.—Fig. 4.

Squash.—Of the summer sorts in bush form the yellow and other varieties have been improved. The object has been to get into bush form the best of early and late sorts.

Tomato.—This valuable vegetable, which even at this day is used in Europe as an ornamental plant, is coming into use gradually as a staple vegetable with

us. Its use has demanded the greatest improvements from the flat, irregular varieties, which were the only early sorts known a few years ago. We now have perfect, round, well colored sorts of excellent quality. They are also in tree form,



Improvements in Vegetables.—Fig. 5.

with fruit of uniform character. The forcing sorts are distinct and excellent in quality. The latest introduction is the tree shape, with large, dark red solid fruit.

Some of our well known vegetables have been omitted in this list, but the improvements not having been marked in the last decade they have not been mentioned. Having touched only on types and not varieties, this subject is left with you in an unfinished state, but the seed catalogues of all of the reliable seed firms have the newer types listed and their distinctions thoroughly described.

REFERENCES TO ILLUSTRATIONS.

Fig. 1.—Shows improvements in the green and wax podded beans, overcoming the air cells above the seed and also the neck; also, by the introduction of round podded sorts, producing longer, more brittle pods and less string.

Fig. 2.—Shows improvements in the Golden Wax types of beans from the short flat pod to the long semi-round and round sorts, which are of a more golden color, less stringy and have more abundant croppers; shows also the large, very tender Yosemite Wax, which remains in edible condition longer than any other variety.

Fig. 3.—Shows old type of beets with thick root and large top and crown, and the early blood varieties with short top and turnip-shaped root; also the late turnip varieties with short root.

Fig. 4.—Shows the improvement of the carrot, from the thick, long-pointed root with core to the round, stump-root, coreless sorts with hollow crown, also the short forcing varieties, and short summer sorts of the Ox-heart type.

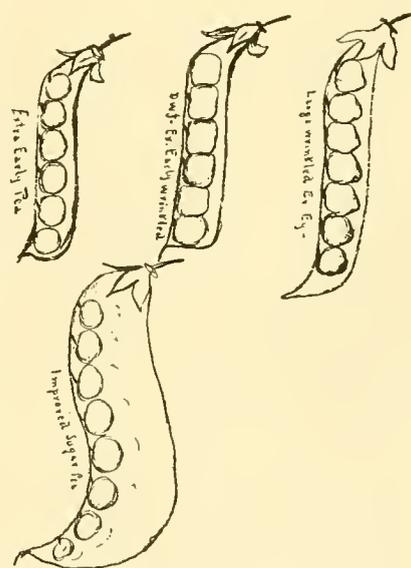
Fig. 5.—Shows the hollow crown and short parsnip with large shoulder, shorter and smoother; also the recent introduc-

tion of improved large pepper of extremely sweet taste.

Fig. 6.—Shows the improvement in Extra Early peas from the Second Early Wrinkled to the Extra Early Dwarf and Tall, coming in three days after the Extra Early hard round seeded sorts, thus giving a longer bearing season and much superior quality and size of grain; also the extreme broad pod Sugar pea, of which the pod is used together with the grain.

Peat Substitute for Steam Coal.

Mine owners have predicted the entire exhaustion of the steam-coal beds in England within a generation, says United States Consul Mahin, of Nottingham, England. This possibility is deprived of some of its terror by the announcement that an electrical process has been discovered whereby peat can be converted into hard, smokeless steam coal which, while occupying less room in a ship's bunkers, will, it is claimed, hold its own against the best Welsh coal. According to a description of the process, the peat from the bog is placed in rotary cylinders, and after the water has been expelled by pressure electrodes with electric wires attached are inserted and the mass becomes the medium of the completion of the circuit. Heat is generated by the resistance offered, and this in turn gives the objective result sought, namely, a perfectly disintegrated or pulverized material which separates freely into particles and has suffered loss of none of the properties primarily contained in the peat. Kneading and teasing operations serve to bring the mass into a plastic condition, so that it contracts into any shape or size desired. The cost is said to be much below that of coal at the pit's mouth. An initial plant is to be erected immediately in Ireland, where one-seventh of the surface of the land consists of peat bog.



Improvements in Vegetables.—Fig. 6.

JONESBORO, ARK.—The Jonesboro Nursery and Plantation Company has filed an amendment to its articles changing its name to the American Nurseries Company, and increasing its capital stock to \$10,000, and increasing the board of directors from three to five.

THE RETAIL TRADE

A Simple Home Wedding.

Decorations furnished by Smith & Fetters, of Cleveland, O., at the Scofield-Cogswell wedding recently, a simple home affair, are shown in the accompanying engraving. Easter lilies alone were used to decorate a room finished in red.

Antifrost Solution.

As an excellent remedy against the freezing of shop windows, the Pharmaceutische Zeitung recommends the application of a mixture consisting of fifty-five grams of glycerine dissolved in one liter of sixty-two per cent alcohol, containing, to improve the odor, some oil of amber. As soon as the mixture clarifies, it is rubbed over the inner surface of the glass. This treatment, it is claimed, not only prevents the formation of frost, but also stops sweating.

Chicago.

We are again in the grip of the ice king, the thaw of last week being only temporary. Stock which had been coming in in large quantities has been considerably shortened and the market is a little more toned than for the last four weeks. There is no shortage in any line, good roses running about even to the demand. The local retail trade this week assumed a brisker attitude and shipping trade continues good. Just now the subject of greatest interest to growers and dealers alike is the Easter lily question. Some are inclined to the opinion that there will be plenty to go around and of good quality. Others are not so sanguine and fear a shortage of good stock. It is quite certain that there will be lilies enough, with quality probably not up to the standard. All other kinds of stock will be plentiful, but not a glut. Carnations are slightly stiffer in price than for some time and they promise to remain so until Easter. Bulbous stock continues to be the plentiful article on the market and is not moving with rapidity. Calla lilies also move slowly and the best may be purchased at hard time prices. At the greenhouses everything looks ripe for Easter and the great bulk of the lilies are right up to the handle in point of time.

The Florists' Club committee on resolutions on the death of the late Walter Kreitling has prepared the following, to be presented at the next regular meeting:

WHEREAS, In view of the loss we have sustained by the decease of our friend and associate, Walter Kreitling, and of the still heavier loss sustained by those who were dearest and nearest to him, therefore, be it

Resolved, That it is but a just tribute to the memory of the departed to say that in regretting his removal from our midst we mourn for one who was in every way worthy of our respect and regard. It is further

Resolved, That we sincerely condole with the family of the deceased in the dispensation with which it has pleased Divine Providence to afflict them, and commend them for consolation to Him who orders everything for the best and whose chastisements are meant in mercy.

Resolved, That this heartfelt testimonial of our sympathy and sorrow be forwarded to the family of our departed friend by the secretary, also that these resolutions be duly spread upon the records of our society. Signed

ROBT. JOHNSTONE, Chairman.
JOHN DEGNAN,
JOHN REARDON.

Committee.

Peter Reinberg has been chosen by the democrats of the Twenty-sixth ward as their candidate for alderman in the spring elections. A committee of citizens headed by Sheriff Barrett called on him Saturday

and induced him to give his consent to run. At first Mr. Reinberg was opposed to the proposition which was made to him, giving as his reason the fact that he had never held a political office. When it was pointed out to him, however, that he was looked upon as the one man capable of uniting the party adherents in the ward he gave his consent. At the convention he was unanimously nominated. His ward is republican by a normal majority of about 500, but his friends feel confident that he will easily overcome this.

At the regular meeting of the Florists' Club, March 16, it was decided to request the American Rose Society to hold its spring meeting of 1905 in this city in connection with the annual convention of the American Carnation Society. If this scheme prevails it is believed that



Peter Reinberg.

(Aldermanic candidate in twenty-sixth ward.)

excellent quarters can be had for the meetings and exhibitions. Phil Hauswirth was appointed committee on transportation to St. Louis for the Society of American Florists' convention in August. S. S. Skidelsky, of Philadelphia, and H. E. Philpott, of Winnipeg, Manitoba, addressed the meeting.

The St. Patrick's day banquet of the Irish Fellowship Club at the Auditorium hotel Thursday night called for a large order of shamrocks. The plants were imported by Harry C. Rowe. Each plate at the banquet was decorated with a plant and each guest received one as a souvenir.

J. H. Troy, of the Rosary, New York, made a flying trip to this city on the twentieth century limited March 18, and will leave again to-day. Mr. Troy has been called here for consultation in an extensive landscape proposition.

The down town stores are taking on their Easter holiday appearance. The George Wittbold Company has the contract for several State street and Wabash avenue department stores.

E. F. Winterson was a Milwaukee visitor last Saturday. He reports that the florists there treated him royally and that everything is looking bright for Easter in the greenhouses.

H. E. Philpott, of Winnipeg, mingled among friends of the craft this week. Monday evening he participated in the

games of the Florists' Club bowling team.

The stores and salesrooms of Bassett & Washburn and E. H. Hunt are in the hands of the decorators and the interiors are being much improved.

C. M. Dickinson, manager of E. H. Hunt's, spent last week in California, where he is interested in a large oil refining project.

SOME excellent varieties of Primula cortusoides Sieboldii are now in bloom at Vaughan's greenhouses, Western Springs.

Robert Miller, formerly superintendent of W. H. Elliott's establishment at Madbury, N. H., is calling on the local trade.

A. Dietsch is at present spending some time at Chun Chula, Alabama. He will remain in the south several months.

George Reinberg will be in good position to fill orders for Easter lilies. His rose stock was never better.

E. F. Winterson Company handled the bulk of the shamrocks sent to this market for St. Patrick's day use.

J. A. Budlong will have a nice lot of lilies for Easter. His other stock is also looking in excellent shape.

E. C. Amling was slightly indisposed the latter part of last week with a touch of the grippe.

Among the visitors here this week were C. R. Hills, Grand Rapids, Mich., and S. S. Skidelsky, Philadelphia; James McHutchison, of McHutchison & Company, New York.

New York.

The monthly meeting of the New York Florists' Club was held March 14. It was rose night and there was a good attendance considering the weather. All the flowers exhibited were of the highest grade and most creditable to their growers. The exhibitors and their respective exhibits were as follows:

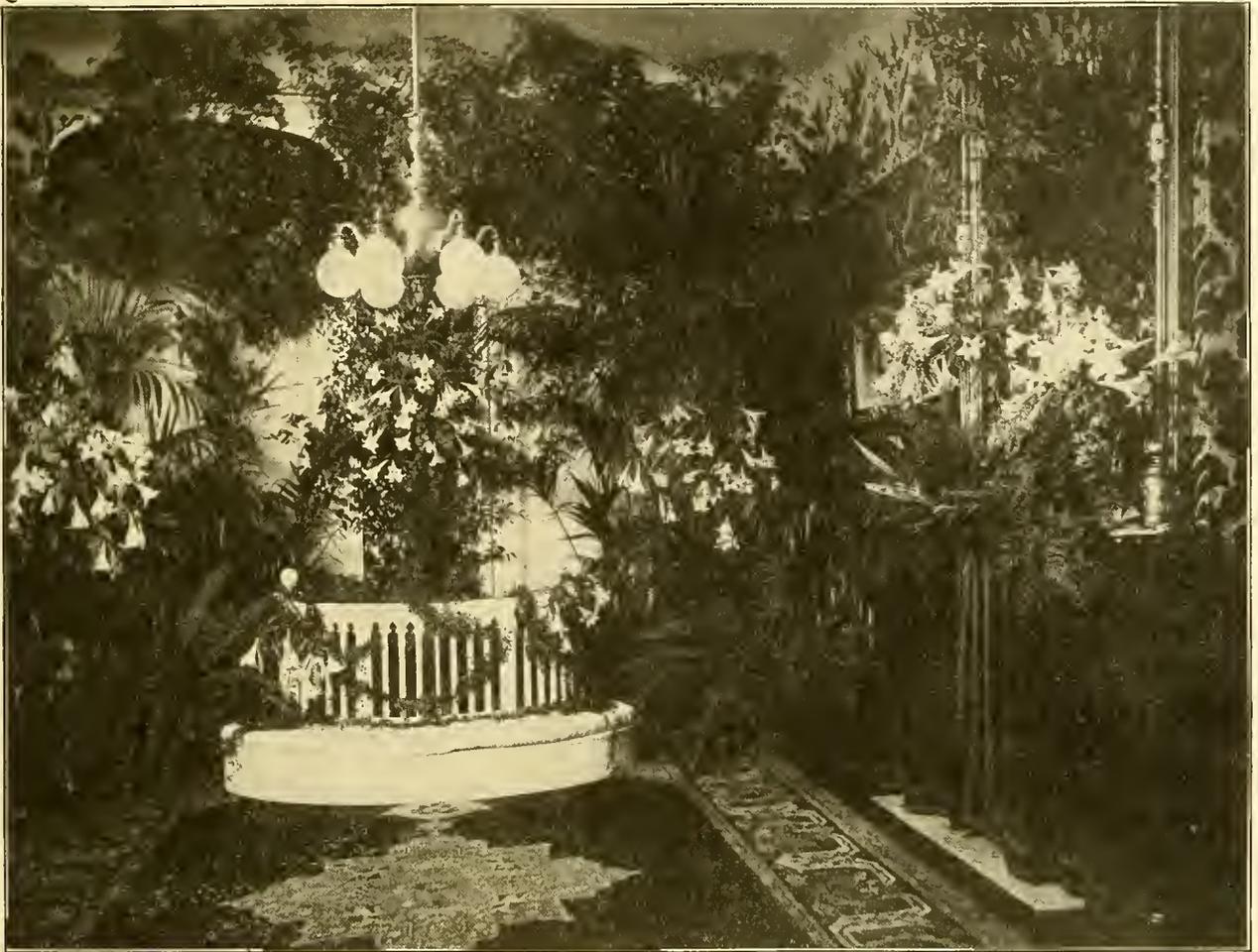
Robert Simpson, Clifton, N. J., Golden Gate.
A. Fahrenwold, Roslyn, Pa., Liberty.
E. G. Asmus, La Detroit.
John H. Taylor, Bayside, N. Y., Bride, Bridesmaid and Liberty.
Peter Reinberg, Chicago, Uncle John, Madame Chatenay.
J. N. May, Summit, N. J., Gen. McArthur.
Henry Heutz, Jr., Madison, N. J., Bride and Bridesmaid
F. L. Moore, Chatham, N. J., Bridesmaid from original stock.
J. M. Cooper, West Grove, Pa., carnations.
F. R. Pierson Co., Tarrytown, White Lawson carnations grown by C. H. Allen.

No awards were made as the exhibits were not for competition.

Robert Simpson read an excellent paper on the culture of the rose, which was received with much approval and was discussed intelligently by a number of members. Mr. Fahrenwold took occasion to urge the rose growers to an ambition for high ideals if they wished to keep up with the standard of the carnation men. Antoine Wintzer gave an interesting account of the history of a number of popular types of roses. Thanks were extended to the exhibitors for their attendance and assistance in contributing to the success of the meeting.

Market conditions are properly a little better than last quoted. Carnations clean up well, Beauty can be had at \$4 per dozen, Bride and Bridesmaid at 10 cents and 12 cents each. Violets go a little better. Lily of the valley is selling poorly at \$2 per 100. Tulips bring different prices according to variety, but average low all along the line.

Wm. Krick, the patentee of the Krick letters and a number of other useful articles, has decided to give up the retail flower business and devote all his time



WEDDING DECORATIONS BY SMITH & FETTERS, CLEVELAND, OHIO.

to the manufacturing of his many patented articles at 1164 Greene avenue, Brooklyn.

A sure harbinger of spring is the voice of W. J. Elliott, which permeates the vicinity of Dey street with the peculiar eloquence of the plant auctioneer. Good roots on every specimen.

Josephine Joslin has issued attractive circulars announcing the opening of a "florist shop" at 2603 Broadway (Ninety-eighth street), March 19, 20 and 21.

Callas are being ordered for Easter by many of the storekeepers, who fear the longflowers will be hard to get on account of the dull weather.

Rumor has it that the old market at Thirty-fourth street is to be torn down, the Pennsylvania railroad having bought the property.

Alfred Dimmock left England on March 9 and is due now. His headquarters in New York will be at 31 Barclay street.

Wm. Amos, of Woodside, L. I., is sending some very fine Ulrich Brunner roses to the Cut Flower Exchange.

John Einsmann, brother of Philip Einsmann, is in St. John's hospital suffering from pneumonia.

J. Rovalyos, of Twenty-ninth street, has given up the wholesale business.

Washington O. Cherry has the finest white sweet peas seen this season.

Jacqueminot roses are coming to the market, but do not sell readily.

Visitors: Carl Jurgens, Newport, R. I., Mr. Heller, of New Castle, Ind.

Philadelphia.

The condition of the lily market is now the question of the hour. Expert growers seem to be at sea as to how much of the crop will be in, some saying that plants showing buds one inch long on March 15 will make it all right while others who have them bending down think it will take them all their time. The main trouble has been the severe winter which froze the earth solid in the pots almost immediately after they were put outside, and as a consequence they made but little root. Under these conditions it was very hard to get them to start. Much of the stock seen is very short, but still carries a goodly number of flowers. Others of fair height with fine foliage have but one or two flowers. If the weather is fair for the next two weeks it will make a great difference, as one day's sun is better than two days of forcing by fire heat. Although there are quite a few diseased plants about the percentage is not nearly as large as that of the last few years. In many places the Japs seem as far advanced as the Bermudas and are carrying a good many flowers. Hydrangeas are also backward and many of the plants will hardly make it. Taking the stock as a whole it is about up to the average of other years. W. K. Harris has his usual large and varied stock and the condition is excellent in all departments. His lilies are right to the hour in point of time and a fine lot otherwise. His other leaders are azaleas in large and small sizes, hydrangeas, pink

and blue, from 8-inch pots to tubs; a house of genistas which it is worth a journey to see; Rambler roses; a house of spiræas and a splendid lot of deutzias. There are also specimen rhododendrons.

The Hugh Graham Company is another of the large growers of Easter stock and has quantities of azaleas and Easter lilies. These latter are a very clean lot of good height, perhaps the best in this respect of any in the city. They also have thousands of fine hyacinths. The latter are wintered in a novel manner, being placed in a frame on a bed of ashes. The pots are not bedded or covered but the top of the frame is covered with boards and this is covered with manure or leaves a foot thick and when taken out in the spring are always found in fine condition.

At Robert Craig & Sons' there is a splendid stock. They have much the largest lot of lilies about the city which are in splendid shape and perfect in every respect except in point of time. Mr. Craig says that he is sure of at least eighty percent, as he is already setting aside the most forward ones. There are two houses of choice Ramblers, thousands of azaleas in assorted sizes, a house of well shaped hydrangeas, spiræas in quantity and thousands of hyacinths in pots and pans. There are also a fine lot of hybrid roses in from 6 to 8-inch pots.

Robert Scott & Son are strong on lilies having a fine lot of longiflorums. Azaleas, rhododendrons and pot roses are also seen in quantity. A lot of gardenias

in pots can not be duplicated anywhere in this country and will be fine for Easter as they are loaded with buds. We must not forget the houses of Ramblers which are exceptionally fine. This rose has been a feature of their Easter stock ever since it has been introduced and it has always been done exceptionally well.

H. A. Dreer has an enormous stock of azaleas which are all sold out for Easter delivery with the exception of some large whites and plants in the one dollar and smaller sizes. Such a business is certainly encouraging and shows a healthy state of trade.

J. W. Colflesh has his usual assortment. His lilies are in good shape and there is a good load of hydrangeas which will make it nicely and a fine table of daisies. His stock of hyacinths and tulips is also in good shape.

Westcott Brothers are right in it with their lilies which are a very pretty lot, which will make it whether the sunshines or not. Hydrangeas, spiræas and a bench of daisies are also in good shape.

Godfrey Aschmann has his houses crowded with lilies, hydrangeas, azaleas, spiræas and quantities of bulbous stock. His medium azaleas are perfect plants and he is justly proud of them.

Jacob Becker is strong on lilies, azaleas and hybrid roses, also a lot of hydrangeas, which are all sold already. His stock is in its usual fine condition.

George Carpenter has his lilies and hydrangeas better than ever. They say his lilies are about the best around.

W. C. Smith has a fine lot of azaleas from 5-inch pots to specimens, also spiræas and lilies.

Zimmer, of Collingswood, offers lilies, geraniums, cinerarias and a general line of bulbous stock.

George Anderson has a house of lilies with fine flowers and foliage as green as leeks.

James Griffin has his usual stock of lilies and azaleas; also a lot of bulbous stock.

J. Koehler & Sons have lilies, hydrangeas and a fine lot of bulbous stock.

K.

Boston.

The meeting of the Gardeners' and Florists' Club at Horticultural hall March 15 was one of the best in its history, there being an attendance of close to fifty members, notwithstanding the inclement weather. They had the pleasure of listening to a paper by Irving T. Guild on the subject of art in architecture and landscape gardening and their relations one to the other, a splendid discourse on the higher phases of gardening conceptions, which was a most thoughtful and finished production and of interest to every gardener in America. His sentiments advocating a distinctly American type of gardening and deprecating the futile attempts to imitate Italian and other foreign effects in a country and climate unsuited were applauded and given unanimous approval by the speakers who followed him. E. L. Beard, J. K. M. L. Farquhar, Jas. Wheeler, Jas. Morton, T. Waterworth and others took part in the discussion which took the form of a spirited "roast" of pergolas, demoniacal images, carved trees and other characteristics of the "made to order garden" type, and deprecation of those who find pleasure in surrounding themselves with such things and in subjecting the gardeners' art to the domination of the house architect. An inquiry in the question box developed a brief dis-

cussion regarding fumigants for greenhouse use, and it may be well for the manufacturers of such specialties to know that the universal sentiment of the gardeners present was that none of the tobacco products offered by American manufacturers are of the quality possessed when they were first put on the market, all giving evidence of adulteration.

The outing of the Gardeners' and Florists' Club to North Easton, March 8 was a delightful affair. The weather was superb and about twenty-five members were in attendance. Mr. Craig escorted the party about the F. L. Ames greenhouses where the show of flowering plants was superb. Especially noteworthy were the carnations, antirrhinums, hybrid roses, cyclamens, cinerarias, primulas, violets and orchids, the latter including *Cœlogyne cristata*, Chatsworth variety, Lemoniana and alba; *Dendrobium nobile nobilium*, *D. Wardianum*, and phalænopses of several species. A house of forced tomatoes was exceptionally fine, being full of ripe fruit. The Oakes Ames place was also visited and the experimenting with leaf molds for orchids, etc., noted with interest.

The annual spring exhibition at Horticultural hall opens on Thursday, March 24, and promises to be an event of much interest. Among the good things that are to be shown there may be mentioned J. N. May's Gen. MacArthur rose and John Cook's two great seedling roses, Cardinal and Enchantress.

George C. Watson will lecture before the Massachusetts Horticultural Society on Saturday, April 2, on "Pæonies." The subject and the speaker combined should fill the hall, but the date falling on the day before Easter will doubtless deprive many of the pleasure of attending.

Arthur Cowee delivered a lecture on the gladiolus before the Massachusetts Horticultural Society on Saturday, March 12.

Wm. T. Good, who has been employed with W. E. Doyle for many years, has gone to Galvin's Back Bay Conservatories.

Patrick and Michael H. Norton, doing business as Norton Brothers, dissolved partnership February 29.

Baltimore.

We have to amend our declaration of last week that winter has "broke," for the frost-king is at it again, hammer and tongs, and, in proverbially blustering March, is licking us with the rough side of his tongue. Cold rains, slets, snows and night temperatures down to 20°, with cloudy days and raw, piercing winds make a total of great discomfort for a week, broken only by one or two lovely spring days that demonstrate our climate is equal to anything. Unless there is quick improvement, brighter suns and warmer airs, much Easter stuff will be belated. But at this season changes come suddenly, and ere long there will be complaining, probably, of undue warmth.

Trade has been fairly active, the larger demand being still for funeral occasions. There are some exceptions in the social line, small and moderate entertainments being resumed. Another indication of improvement is the call for flowers for the theaters, which for some weeks ceased entirely. At the funeral Sunday of Edward H. Fowler, one of the Board of Police Commissioners, there was a great display of floral testimonials, one

of the daily papers headlining it as "A Forest of Flowers." There were offerings of all shapes, sizes and designs, many handsomely and tastefully executed, loose bunches and exquisitely wrought wreaths, besides a great assortment of conventional pieces, vacant chairs, columns, stars, etc. Four hearses were required to convey the flowers to the cemetery, where the whole lot was covered with fragrant tokens of the respect and affection in which Mr. Fowler was held by those associated with him during his prominence in public life and in the church. Of course, the benefit to the trade was generally distributed.

The supply of flowers is equal to all requirements; carnations are somewhat in excess; roses are improving in quality, though American Beauty is scarce. Bulbous stock from out-doors begins to arrive from the south, and violets are plentiful. Prices remain about the same, Bride, Bridesmaid and Golden Gate ranging from \$4 to \$10, and Perle from \$3 to \$6 per 100. Greens have not been over abundant the whole season and are still in request.

W. W. Crosby, general superintendent of parks, is evidently raising the standard of the manner in which the city's pleasure grounds are to be maintained, and in a recent letter to the local superintendent he declares that he is not satisfied with the past conditions, but the grounds must be kept in better order and more cleanly, adding that "hereafter no excuse will be accepted for the unkept condition of the parks and squares."

Designs have been made for a new conservatory at Patterson park, and estimates are being asked for its construction. The old building has stood many years, and is practically worn out, if not unsafe.

It is not likely there will be much building in this vicinity the coming summer, as material and labor will be higher even than ordinarily, from the demands of the reconstruction of the burnt portions of the city, and from the rather unsatisfactory state of trade.

William Madsen, of Govanstown, who has long had recognition as at the head of the class in American Beauty growing, is the one grower who escapes the itch for more glass. This year he will tear down three houses which he considers have outlived their usefulness, and in their place will put up but one, 20x100 feet, turning the other space out-of-doors.

His next-door neighbor and former partner, Andrew Andersen, also among our crack Beauty growers, is "almost persuaded" that he needs a new house, and we expect soon to see its skeleton up and the work done with his accustomed care and thoroughness.

Thos. H. Patterson, of the Old York road, Waverly, has met a grievous affliction in the sudden loss by scarlet fever of his only child, a daughter of ten years, bright, attractive and lovable. He and his bereaved wife have the sympathy of all the trade.

John J. Perry, manager of the Florists' Exchange, after fighting hard against the gripe, finally succumbed and went to bed for some days, but is out again, looking, though, somewhat battered from his contest.

Halliday Brothers, whose establishment on the Liberty road embraces more glass, probably, than any other plant around Baltimore, and who of late years have grown carnations mainly and no roses, will change their programme and next year devote several houses to the queen of flowers. S. B.

Buying Seeds.

SOME OF THE EARLIEST SIGNS OF SPRING.

Outside the store highly colored posters depicting brooding magpies and onions, enormous ears of corn, stupendous squashes and colossal cabbages attracted the gaze of the passers-by to the display of seeds in the window. This was before the big snow. Busy citizens, the cares of commerce written on their anxious brows, stopped as if struck with a sudden idea that June



peas might be as well worth attention as May wheat and forget their hurry for at least a few moments at the sight of the gorgeous vegetables.

There were other pictures in the window, bright-hued tulips and hyacinths, gaudy poppies—all pretty enough, especially compared with the brown seeds and ragged bulbs, but hardly worth notice from an æsthetic point of view, considering that a few doors away the flowers themselves were blooming in the florist's window; yet the women did not throng before the florist's as they did in front of the seed store. All sorts and conditions of men seemed to feel an interest in that window and drew away from it with visible reluctance.

If the outside of the store was attractive the inside was more so. Corpulent bags of



lawn mixtures gaped invitingly at the customer and seemed to promise him unlimited expanse of verdant turf. Tobacco dust assured him protection against noxious creeping things. Flower pots spoke to him of blazing scarlet geraniums and gracefully drooping fuchsias. Gleaming scythe blades, spades, hoes, pruning hooks and shears, hose coils, watering pots, dibbles, trowels and a thousand and one other horticultural implements and appliances met the eye at every turn.

"Too early?" echoed the clerk. "Not a bit. It wouldn't have hurt to sow it a month ago. The earlier the better. Some people don't think grass seed grows well unless it's sowed right on the snow. It will be all right, though, as far as the snow is concerned; we haven't seen the last of it yet."

"How long do you think it will be before the frost goes out of the ground?" asked the customer, anxiously. He was a trim little man, neatly—almost fastidiously—dressed, but his heavy ankle boots and the mud upon them betrayed him for a suburbanite.

"Well, now, that depends," said the clerk. "You see, it's like this: If we have a spell of soft, warm spring weather, with rains now and then, it won't take so very long; but we may get a few more cold snaps, and if we do the frost will stay in a good deal longer. It depends a good deal on the sort of weather we get."

"Hm-m!" said the suburbanite. "I could have told you that and I don't pretend to be an expert."

"Are you buying the mixture?" asked a friend at his elbow. "You don't want to experiment with mixtures. Get a plain, straight Kentucky blue grass. You can't



get a better lawn than that makes. Isn't that so?"

The clerk being appealed to shrugged his shoulders. "It depends," he replied. "Kentucky blue grass certainly makes a fine lawn if you get the right kind of soil—"

"But if you don't it doesn't do as well, eh?" interrupted the suburbanite.

"I was going to say it takes longer to grow?" said the clerk.

"What in the world are these!" exclaimed a young woman picking up a ball of gray, papery looking material. "They look like hornets' nests, but they can't be. Nobody would want to buy hornets' nests. They've got iron things around them to hang them up by, too."

"Hornets don't make honey, do they?" inquired her companion. "If they did that might account for it. I know they like sweet things because they always get into the sugar bowl if they get into the room. Oh, look. Here are some violet seeds. Myra, why couldn't we grow violets? It would be perfectly lovely just to go out and pick what violets one wanted instead of paying 50 cents a bunch for them."

"I don't pay 50 cents a bunch for them," said the first young woman, meaningly. "I know, but then—oh, will you tell us what these are, please?"

"Those are fumigating balls for burning in greenhouses," the clerk informed them.

The young woman dropped the ball and dusted her glove. "There are some more of them—larger ones," she said. "They must be for fumigating all outdoors."

"No," said the clerk. "Those are Japanese ferns. You soak them in water and hang them up in a window and they sprout out of the ball."

A large red-faced man was over by the corner devoted to tools, showing a friend a new device in a whirling spray.

"You set that on your lawn overnight and there you are," he said. "It's just as good as a natural rain the way it sends it. That's the pattern I use, and you know what my lawn looked like all last summer."

"Don't you think a good wetting down with the hose would do as well?"

"Certainly not. You won't do anything else if you stand there hanging on to a hose all evening, and you've got plenty to do if you set out your garden the way I advise you to. You want one of these weeders, too."

"Do I?"

"Sure; unless you want to grub up the weeds with your fingernails. Let's see! You've got a hoe, a rake, a spade and a leaf rack for your barrow, and a sprayer, haven't you?"

"Yes, and a roller."

"Well, you get that weeder and a planter and you can get along for a while. You might buy your lawn mower now, just as well as not."

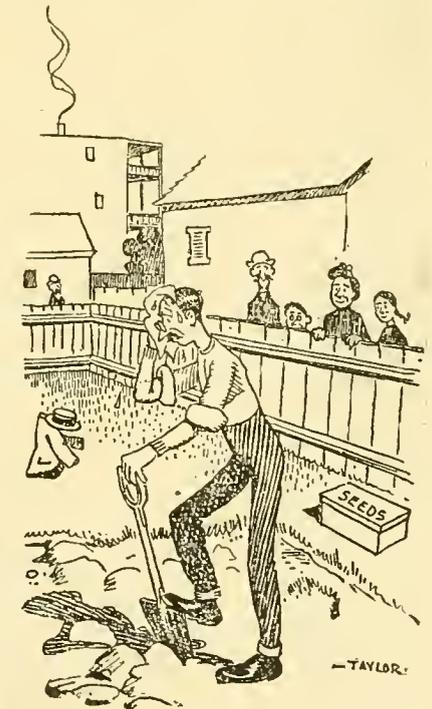
"I don't believe I want to now. I'd rather see what all this comes to first, anyway."

"Just as you like. I think you're pretty well stocked up with seeds. No, there's asparagus, I forgot that—and Brussels sprouts. You can sow your asparagus now or in April and the sprouts a month later. Get a catalogue as you go out and we'll look it over this evening and see if there's anything more."

"I know there isn't," said the victim. "I've bought everything in it, and how I'm going to raise it all on one 50-foot lot, goodness only knows."

"It's fine exercise, gardening," said the red-faced man.

In and out they came and went and the seed store was one of the busiest places in town. For the first warm wind that puffed into a man's face, the first gleam of spring sunshine, stirs his dormant agricultural blood. He has not yet dispensed with his winter flannels or discharged his furnace-tender, but he looks out of the back window to the little patch of ground stretching to the alley and his fancy transforms it



into a verdant Eden. The side beds are glorious with sweet peas, phlox, poppies, nasturtiums and pinks. Tall hollyhocks and sunflowers rear themselves splendidly against the fence and honeysuckle and clematis overrun the ash bin. In the center are symmetrical rows of beets, carrots, radishes, onions and of cabbages and lettuce.

Fond vision! Happy dream! It is no wonder that everybody buys seeds. And then it snows!—Chicago Daily News.

THE AMERICAN FLORIST

NINETEENTH 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.

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.

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Orders for less than one-half inch space not accepted.

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

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The Edelweiss.

ED. AM. FLORIST:—The undersigned will be greatly obliged to any reader who will state whether the edelweiss has been grown successfully in this country, giving details of culture, etc.

A. LANGE.

PETER REINBERG, the well known Chicago florist, candidate for aldermanic honors, has adopted the red carnation as his political badge.

COAL men generally say that a strike of the miners is improbable. If a strike does occur, however, they claim that prices will advance very materially.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Storrs & Harrison Company, Painesville, O., submit for registration:

Rose General MacArthur. H. T. Originated in Indiana, a seedling of Marquis de Litta crossed with seedling of unknown parentage. Flowers large, on long stems, color vivid crimson; foliage deep green and very abundant; a strong grower throwing out thick canes three to four feet high.

WM. J. STEWART, Sec'y.

Greenhouse Heating.

ED. AM. FLORIST.—I wish to put hot water heating in a house 15x75. I want to keep a temperature of 55° in the coldest weather and do it easily. What will it cost?

ESTABROOK.

About 450 square feet of radiation will be needed to maintain 55° in a house 15x75 feet. To obtain this it will be advisable to use two 2½ inch flows and seven or eight 2-inch returns. While the smaller could be made to answer, the larger number will give the most satisfaction. It will be well to have a boiler rated for about 600 square feet of radiation. The price varies so much in different localities, and with different kinds of boilers, that no definite estimate can be given.

L. R. TAFT.

Sweet Peas Not Flowering.

ED. AM. FLORIST:—If "J. R." planted his sweet peas the middle of September he ought to have been able to cut blooms for Christmas if properly attended to. They should be planted in raised benches and in not more than four inches of soil. When about four inches high they should have some kind of support. Commence feeding when six inches high, and as soon as they start to bloom use nitrate of soda or sulphate of ammonia, a teaspoonful to twelve gallons of water, and "J. R." ought to cut sweet peas until spring if the red spider is kept down. Syringe on every bright day. We planted our sweet peas November 24 and cut our first bloom February 16. They are grown in from 50° to 55°.

J. KENNEDY.

Transplanting Box Bushes.

ED. AM. FLORIST:—What is the best manner and best time of year for transplanting very large box bushes?

Maryland. H. T.

Box bushes are safely transplanted from now on at any time when the soils is in fit condition, as they have numerous fibrous roots which hold the soil and make a good ball, which should be preserved if possible. On the fine "Uplands" place near Baltimore of Mrs. Dr. Jacobs (formerly Mrs. Robert Garrett) are two handsome specimens of box, measuring from five to eight feet in height, which were transplanted two years ago by John Cook, and they scarcely show that they have been moved. A good mulch might be desirable over the first summer.

S. B.

American Rose Society.

At the annual meeting of the American Rose Society, which will be held in Horticultural Hall, Philadelphia, Wednesday, March 23, a paper on "Roses for Hardy Gardens" will be presented by L. A. Martin, of Greenwich, Conn. A general discussion on "Stock for roses, and the merits of grafted vs. own root plants" will be opened by Robert Simpson, Clifton, N. J. The meeting will be called to order at 3 o'clock in the afternoon, and any question for the question box may be handed in to the secretary up to the hour of the meeting. It is hoped to make this meeting take the form of an experience discussion.

L. BARRON, Sec'y.

The American Rose Society.

The question as to what is the matter with the rose society is one frequently discussed. There is as much brains, more money and more glass area devoted to roses than to carnations. The rose has always been the favorite flower with the public, and yet the carnation society is the "livest" and most successful horticultural society in America, and its members, by their push and enthusiasm, have placed the carnation—perhaps—foremost of all the florists' flowers in the public eye, while the rose society is to-day, to say the most, only a mild sort of success.

The reason for the failure of the rose society, for anything short of a brilliant success must be called a failure nowadays, is not far to seek. The carnation society is truly national, so far as climatic conditions will permit, and it is intensely democratic—it is of the common people. It is "our society" to a host of small growers and greenhouse workers. At every one of its conventions, numbers of greenhouse employes may be seen, who have traveled long distances at their own expense, in order to attend, and many more are members, gladly paying their dues and attending the conventions whenever possible.

The idea exists among the rank and file of the trade that the rose society is not democratic, that it is a sort of silk stocking affair, in which the men with potting soil stains on hands and clothes are not wanted. The average grower is a hard-headed sort of chap, who is not going to trouble himself about a society, nor pay his money into its coffers, unless he gets something in return. He does not merely want his money back, but he wants to see a profit on his investment. The attempt to make the rose society a fixture in New York and the selection of nearly all of its governing body from places almost in the shadow of that great city, made a local society of it, and it had no right to call for national support under those conditions. Later on this mistake was recognized and half-hearted attempts made to correct it, but the society has never been in touch with the common people. It has to be pinched, pruned and re-potted. It must take a lesson from the carnation society and get in touch with the smaller florists. It must become "our society" to every florist from Maine to Colorado and from New Orleans to Winnipeg. It must meet east, west, north and south, and become national in fact as well as in name.

At a meeting of the Chicago Florists' Club on Wednesday last, March 16, a cordial invitation was extended to the rose society to meet with the carnation

society in that city in January next. A committee was also appointed by the carnation society to extend the same invitation. It was stated by a number of the Florists' Club members that the exhibition hall, meeting rooms and general conveniences in the location selected in the Auditorium hotel could not be excelled anywhere in the country. Here is a chance for the rose society to be "re-potted." Will it take advantage of it?
W. N. RUDD.

The Rhodum Sidus.

An amusing story told by Hood describes how a country nurseryman made a large sum out of sales of a simple little flower which he sold under the name of the Rhodum sidus. This charming name proved quite an attraction to the ladies, and the flower became the rage of the season. It was one of those freaks of fashion for which there is no accounting. At length a botanist who found that the plant was only an uncommon weed requested to know where the nurseryman got the name from. He elicited the following reply: "I found this flower in the road beside us, so christened it the Rhodum sidus."

BARNESBORO, N. J.—Frederick Pope died at his home here, aged 68 years. He was a florist well known in South Jersey.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads.: NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 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 in greenhouses; 7 years' experience. Address
R, care American Florist.

Situation Wanted—By a single, sober man, German, as an all-around florist. Carnations, roses and general stock. Address
26, Oceana, Virginia.

Situation Wanted—By an all-around florist and gardener; best of references; age 40; single.
F. F. GARDENER, 102 Anna House,
North Clark St., Chicago.

Situation Wanted—As foreman; good plantsman; roses, carnations; American Beauty roses a specialty.
W, care Mrs. NELSON,
137 West Fifteenth St., N. Y.

Situation Wanted—By competent florist; good grower of roses, carnations and general stock. German, married. Private or commercial. Address
W C K, care American Florist.

Situation Wanted—By a first-class grower; married; 38 years old. A No. 1 references. Present place, foreman for the Morton Grove Greenhouses.
CHAS. DUERR, Morton Grove, Ill.

Situation Wanted—By a competent and reliable young German; age 25 years; practical experience in carnations; vicinity of St. Louis preferred. State wages when writing. Address
J S, care American Florist.

Situation Wanted—As foreman or manager of 100,000 feet of glass or in re, where rose growing for cut flowers is made a specialty; nothing but a good position will interest me. Address
MANAGER A, care American Florist.

Situation Wanted—As foreman, by a strictly competent and capable up-to-date grower of roses, carnations, chrysanthemums palms ferns; also a general line of Easter and bedding stock; 18 years' experience.
Z 36 American Florist.

Situation Wanted—By a first-class grower, capable of taking full charge of commercial place; roses, carnations, chrysanthemums, violets, palms, bedding stock, etc.; used to handling men. State wages given. C, care American Florist.

Situation Wanted—By a good grower, age 25; first-class retail place preferred; fair wages expected. Best of references. Address
D'ARCY CALLAN,
care Morton Grove Greenhouses,
Morton Grove, Ill.

Situation Wanted—By competent gardener and florist, to take charge of gentleman's place. Age 26. German; thoroughly understands the care of private gardens, greenhouses and vegetables. 12 years experience. Address
E W, 337 New York Herald (Down town).

Situation Wanted—The undersigned is open for an engagement with any gentleman requiring the services of a practical head gardener. References as to ability and character; married, no family. Disengaged April 15. Correspondence solicited. Address
L. A. MARTIN, Greenwich, Conn.

Situation Wanted—By all-around practical gardener and florist, experienced as grower of stove and ornamental plants, orchids, etc.; thoroughly competent in all branches of the profession, in and out of doors; industrious, honest and of excellent habits; married, no family. Best references. Private place preferred. Address
L M, care American Florist.

Situation Wanted—By thoroughly capable young married man, on private or commercial place; competent grower of roses, carnations, chrysanthemums, rare and decorative stock; also expert propagator and grower of nursery stock and herbaceous perennials; eastern states preferred. Address with full particulars,
FLORIST AND NURSERYMAN, Box 233 Monroe, N. Y.

Help Wanted—A carnation grower; a man to manage three small houses; \$30.00 per month and board.
E. A. FARNHAM, Park Ridge, Ill.

Help Wanted—First-class florist to raise principally roses and carnations. Address
COLUMBUS RAILROAD COMPANY, Columbus, Ga.

Help Wanted—A good grower of cut flowers and pot plants on a retail place, 11,000 feet of glass; single man preferred. State wages and references.
PITTS, care American Florist.

Help Wanted—A good agent for the sale of French grafted roses and fruit tree stock, with good references. Apply to
A. ROBICHON FILS, Olivet, France.

Help Wanted—General foreman, also all around greenhouse man, for commercial place. Good wages to competent men. Address
MELAMPUS, care American Florist.

Help Wanted—A florist to take full charge of small place where carnations, roses and general stock is grown. German preferred. State wages with room and board. Address
OTTO BAUMANN, 469 Water St., Manistee, Mich.

Help Wanted—Greenhouse man and garden foreman; must be able to handle help; not over 45 years; single; \$50 and room. Send recommendations and experience. Address
PROF. F. W. RANE, New Hampshire College,
Durham, N. H.

Help Wanted—A first-class maker-up of flower designs and experienced in decorating. State the high of experience and salary expected, with references. Must be a hustler and not afraid of work. Address
J. NEWMAN & Co. s. Corp'n,
51 Tremont st., Boston.

Help Wanted—Or will lease. Single man of long experience to take charge of old established business in new houses; 10,000 square feet of glass. No competition; both wholesale and retail business. State wages expected with board.
R. E. FARLEY, Noblesville, Ind.

Help Wanted—At once, a grower of roses, carnations and general stock on small place; must be sober, trustworthy and not afraid of work; \$11 to \$2 a week to start. Steady place to the right man.
CHRISTIAN DEHN, Saratoga Springs, N. Y.

Help Wanted—At once, managing foreman to take charge of 35,000 feet of glass in cut flowers; one who can handle men to advantage and can produce the best results; must have best of references as to character and ability. State wages wanted and give references. Also want first-class assistant.
C. R. HILLS, Grand Rapids, Mich.

Help Wanted—Retail store manager; one who thoroughly understands the florist's business in all its details and is competent to take the business end of the management. Must have some capital or else invest part of his salary in the business. A first-class chance for a pushing, active young man. Address
W C F, care American Florist.

Help Wanted—Rose grower to take full charge of 2000 Beauty and 4000 Teas for cut blooms on a strictly up-to-date and modern establishment. Houses are almost new. Please state amount of experience had and give names or a few employers, also wages expected which will be liberal to a first-class man. No notice or run-about need apply. This is a steady position for a real rose grower. Address
GROWER,
care C. A. Kuehn, 1122 Pine St., St. Louis, Mo.

Help Wanted—An active, experienced, single young man, with some capital to buy interest in well established plant, 7000 feet of glass, 6 houses, store connected, 4 acres land, near depot. Good local and shipping trade. No greenhouses of any consequence nearer than 300 miles. Splendid opening for right party. Address
FAR WEST, care American Florist.

Help Wanted—Experienced man to work and take charge of small greenhouse and nursery, Pocatello, Idaho. Salary or commission. Can purchase if suited. The only one in south-eastern Idaho city of about 7,000; also good shipping facilities for Idaho, Wyoming and Utah. The business now closed account of death. References required. Good opening for a worker; state salary or commission expected. Address
THE CHURCH & WHITE CO., Pocatello, Idaho.

Wanted—To lease with option of buying a place in Illinois or Missouri, with from 3,000 to 7,000 sq. feet of glass. Address
Box 116, Waverly, Ill.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address
BAUR FLORAL CO., Erie, Pa.

Wanted—Two young men want to buy a first-class florist business by April 1, from 12,000 to 15,000 feet of glass. We are able to pay \$2,000 down. Give particulars. Address
AUGUST ALBERT, 191 Concord St., St. Paul, Minn.

For Sale—Sixty-foot greenhouse, house, two lots, \$2,600. Or separate, glass, boiler, pipe, \$25.
3181 Elston Av., Chicago.

For Sale—At a bargain 4 greenhouses 20x100 feet base, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health.
J D, care American Florist.

For Rent—Old established greenhouses with good house, barn, all utensils, tools, etc. For particulars address
C E, care American Florist.

For Sale—An elegant greenhouse plant of 40,000 square feet of glass; must sell, have other business. Write for particulars.
W W, care American Florist.

For Sale—Over 12,000 feet of glass all heated by steam, in first-class condition. Will sell at reasonable price. Terms to suit. Address
GLASS, care American Florist.

For Sale—New glass, never been opened, 10 boxes A Double 16x24 at \$3.80 per box, 50 boxes B Double 16x21 at \$3.40, 40 boxes B Double 16x18 at \$3.5 per box, 50 boxes A Double 16x18 at \$3.43.
DAVIS BROS., Morrison, Ill.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale—New greenhouses, 11,000 feet glass, complete in every particular; established 6 years. Splendid retail trade; city of 45,000 inhabitants. We are the only florists here. Address
L. O'SULLIVAN, Superior, Wis.

For Sale—Four greenhouses, Chicago, 7,000 feet of glass, on leased ground. Well stocked with carnations and potted plants. Good retail trade and long lease. Part cash. This is a great bargain.
J R F, care American Florist.

For Sale—Old established greenhouses, large lot, good house and barn together with all the paraphernalia incidental to this line of business. Sickness compels an immediate sale of this plant. No reasonable offer refused.
CLARENCE E. SMITH, 145 LaSalle St., Chicago.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address
SAMUEL J. BUNTING, Elmwood Ave.
and 58th St., Philadelphia, Pa.

For Sale—At a bargain, 8 greenhouses well stocked and in good condition; steam heat, gas for fuel at 15 cents per 1,000 feet, every convenience; only plant in city of 4,000 population, two main lines of railroads and street cars pass the door; will sell at a sacrifice, as I am in the hotel business 100 miles away from the greenhouses and cannot give them my attention. Address all communications to
N. AMOS, Toledo, O.

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When you write to an advertiser.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Mar. 17.

Roses, Beauty, long per doz.	4.00@5.00
" " med.	2.00@3.00
" " short	5.00@12.50
" " Bride, Bridesmaids	4.00@8.00
" " Meteor, Golden Gate	4.00@8.00
" " Perle	4.00@6.00
Carnations	2.00@4.00
Smilax	18.00@10.00
Asparagus	35.00@50.00
Violets	5.00@7.50
Valley	2.00@3.00
Romans	1.50@2.00
Freesias	@2.00
Tulips	2.00@3.00
Daffodils	2.00@3.00
Callas	8.00@12.50
Harrisii	10.00@12.50

PITTSBURG Mar. 17.

Roses, Beauty, specials	30.00@50.00
" " extras	20.00@25.00
" " No. 1	10.00@15.00
" " ordinary	3.00@6.00
" " Bride, Bridesmaid	2.00@12.00
" " Meteor	4.00@10.00
" " Liberties	3.00@8.00
Carnations	1.00@3.00
Lily of the valley	2.00@3.00
Smilax	12.50@15.00
Adiantum	1.00@1.25
Asparagus, strings	30.00@50.00
Asparagus Sprengeri	2.00@4.00
Violets	.20@.75
Lilies	4.00@15.00
Romans, Paper Whites	1.00@3.00
Tulips	2.00@4.00
Daffodils	1.00@3.00

CINCINNATI, Mar. 17.

Roses, Beauty	2.00@6.00
" " Bride, Bridesmaid	4.00@10.00
" " Liberty	4.00@10.00
" " Meteor, Golden Gate	4.00@12.00
Carnations	2.00@4.00
Lily of the valley	3.00@4.00
Asparagus	50.00
Smilax	12.50@15.00
Adiantum	1.00@1.50
Violets	.75@1.00
Narcissus	3.00@4.00
Romans	3.00@4.00
Harrisii	per doz., 15.00
Calla	12.50

ST. LOUIS, Mar. 17.

Roses, Beauty, long stem	3.00@5.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.50@.75
" " Bride, Bridesmaid	4.00@10.00
" " Golden Gate	4.00@8.00
Carnations	1.00@5.00
Smilax	15.00@
Asparagus Sprengeri	1.00@3.00
" " Plumosus	25.00@50.00
Ferns	per 1000, 3.00
Violets, single	.30@.50
Narcissus Paper White	2.00@3.00
Valley	2.00@4.00
Romans	2.00@3.00
Dutch hyacinths	4.00@5.00
Tulips	3.00@4.00
Callas	10.00@12.50
Harrisii	12.50@15.00

HEADQUARTERS FOR WILD SMILAX

AMERICAN BEAUTY	Per Dozen.		
36-inch stems	.....	\$5.00	
24 to 30-inch stems	.....	\$3.00 to 4.00	
18 to 24 "	.....	2.50 to 3.00	
15 to 18 "	.....	2.00	
12 to 15 "	.....	1.50	
Short stems, \$4.00 to \$8.00 per 100			
	Per 100		
Bride and Maid	.....	\$3.00 to \$8.00	
Golden Gate	.....	3.00 to 8.00	
Liberty and Chateaux	.....	6.00 to 12.00	

Carnations	.....	Per 100	\$1.50 to \$2.00
" " Fancy	.....		2.00 to 3.00
Violets, Double	.....		.50 to 1.00
" " Single	.....		.40 to .60
Valley	.....		3.00 to 4.00
Daffodils, Paper White	.....		2.00 to 3.00
Tulips	.....		2.00 to 4.00
Harrisii, per dozen	.....	\$2.00	15.00
Callas	.....	1.50	
Asparagus Sprengeri, sprays	.....	2.00 to 5.00	
" " Plumosus, string, 25c to 50c each	.....	
Fancy Ferns	.....	per 1000, \$3.00	.35
Galax, Bronze, Green, 1000,	.....	\$1.00	1.15
Adiantum	.....	.75 to	1.00
Leucothoe Sprays	.....		.75
Smilax	.....	per dozen, \$2.00	

OUR MURILLO TULIPS
are the best that the market affords

Book your orders now for **EASTER LILIES** and other wants.

J. B. DEAMUD,

51 Wabash Avenue,
CHICAGO.

FANCY CARNATION BLOOMS

OUR SPECIALTY.

TELEGRAPH ORDERS FILLED
PROMPTLY.

Place Your Order Now For Easter.

**J. D.
THOMPSON CARNATION CO.**

JOLIET, ILL.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration)
Write, Wire or Phone the Introducing,

CALDWELL THE WOODSMAN CO., Evergreen, Ala.,
or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

CUT FLOWERS OF ALL KINDS

and Florists' Supplies.

Galax, bronze or green, 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss, Ferns.

Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, Commission Dealer,
130 E. 3d St., CINCINNATI, O.
Telephone, 980 Main.]

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., **ST. LOUIS, MO.**

A Complete Line of Wire Designs.
Please mention the American Florist when writing.

J. M. McCULLOUGH'S SONS

**WHOLESALE
FLORISTS**

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Orchids!



Just arrived in superb condition, a large shipment of **DENDROBIUM NOBILE**, most useful for florists; also Dend. Chrysanthum and others. To arrive, Cattleya Trianae and C. Gigas.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

Brant & Noe Floral Co.,

CROWERS OF
Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., **CHICAGO.**

H. G. BERNING

Wholesale Florist

1402 Pine St., **ST. LOUIS, MO.**

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WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL **FLORISTS' SUPPLIES,**
KINDS OF

AT CHICAGO MARKET RATES.

42-44 E. Randolph St., CHICAGO, ILL.

Write us for **EASTER PRICES** on
Easter Lilies, Roses, Carnations, Violets, Tulips,
all Bulbous Stock in any Quantity.

PITTSBURG CUT FLOWER CO., LTD.
504 Liberty Ave., PITTSBURG, PA.

The BENTHEY-COATSWORTH CO.
WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.
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FRANK GARLAND,

Wholesale
Grower of **Cut Flowers**

SPECIAL ATTENTION
GIVEN TO HARDY CUT **FERNS**
65-57 WABASH AVENUE,
CHICAGO.
Telephone Central 3284.

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and
special quotations on 1000 lots.
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MICHAEL Winandy

Wholesale Grower
and Shipper of **CUT FLOWERS**
60 WABASH AVE., CHICAGO.
Telephone 3067 Central.

WIETOR BROS.

Wholesale
Growers of **Cut Flowers**

All telegraph and telephone orders
given prompt attention.
51 Wabash Avenue, CHICAGO.

GALAX LEAVES, ETC., Fresh New
Crop.

Galax Leaves, Green and Bronze, per 1000. ... \$.60
Cut Fancy and Dagger Ferns, per 1000. 1.00
Leucothoe Sprays, Green, per 1000. 3.00
" Red, per 1000. 6.00
Rhododendron Sprays, per 1000. 5.00

Largest dealer in the U. S. Orders filled promptly. Send cash with order. Send 50c for a nice cane, cut from the famous mountains of N. C. Nicely varnished, crooked or straight. Mention length desired and variety of wood—hickory, rhododendron, wahoo, poplar, striped maple, etc. Grand souvenir, besides useful. Try one or more.

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

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MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Speciality....
WHOLESALE
GROWER of **CUT FLOWERS**

Wholesale Flower Markets

CHICAGO, Mar. 18.

Roses, Beauty, 30 to 36-in. stems	3.00@ 5.00
" " 20 to 24 "	2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@ 1.50
" Liberty.....	6.00@ 8.00
" extra select.....	10.00@ 15.00
" Chatenay.....	6.00@ 12.00
" Bride, Bridesmaid.....	3.00@ 8.00
" Meteor, Golden Gate.....	3.00@ 8.00
Carnations.....	1.00@ 3.00
" fancy.....	3.00@ 4.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c sprays 2.00@ 4.00	
" Sprengeri.....	3.00@ 6.00
Violets, double.....	.75@ 1.50
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
Green, " " 1.00	1.00
Adiantum.....	1.00
Fancy ferns...per 1000 2.50@ 3.50	
Smilax.....	12.50@ 15.00
Callas.....	1.00@ 1.75 per doz.
Harrisii.....	1.25@ 2.00
Tulips.....	2.00@ 4.00
Daffodils.....	2.00@ 3.00

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....

ORDER OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co.,
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.

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers**

All telegraph and telephone orders
given prompt attention. 35-37
GREENHOUSES: Randolph Street
Morton Grove, Ill. CHICAGO, ILL.

Please mention the American Florist when writing.

WEILAND - AND - RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

SINNER BROS.

Wholesale Growers
and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telephone and telegraph orders
given prompt attention.

ALWAYS MENTION THE.....

...AMERICAN FLORIST

WHEN WRITING ADVERTISERS

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**Gardenias,
Freesias,
Pansies.**

WHOLESALE FLORIST,

1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

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N. F. McCARTHY & Co.,



84 HAWLEY STREET, BOSTON.

WELCH BROS. CITY HALL CUT FLOWER MARKET, 15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

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Open from 7 A. M. to 6 P. M. Telephones.

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WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

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WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK.
TEL. 3393 MADISON SQUARE.
Specialties: VIOLETS AND CARNATIONS.
Consignments of any good flowers solicited.

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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.

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N. Lecakes & Co.

53 W. 28th St., and 45 W. 29th St., Also at 26th St. and 34th St. Markets

NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS

OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.

Telephone 1214 Madison Square.



WILD SMILAX, ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$2.00 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. 'Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

Please mention the American Florist when writing

Wholesale Flower Markets

BOSTON, Mar. 16.

Roses, Beauty, extra.....	25.00@40.00
" " medium.....	10.00@20.00
" " oulla.....	3.00@ 6.00
" Bride, Bridesmaid.....	3.00@ 5.00
" extra.....	6.00@12.00
" Liberty.....	4.00@10.00
Carnations.....	1.00@ 1.50
" Fancy.....	2.00@ 3.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies, Calla.....	8.00@12.00
Smilax.....	12.00@16.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Roman Hyacinths, Daffodils.....	1.00@ 2.00
Tulips.....	1.00@ 2.00
Peas.....	.50@ 1.00

PHILADELPHIA, Mar. 16.

Roses, Tea.....	4.00@ 8.00
" " extra.....	10.00@15.00
" Beauty, extra.....	25.00@40.00
" " firsta.....	12.00@20.00
" Queen of Edgely, extra.....	25.00@40.00
" " firsts.....	12.00@20.00
Carnations.....	2.00@ 6.00
Violets, single.....	.30@ .40
" double.....	.50@ .75
Lily of the valley.....	3.00@ 4.00
Daffodils.....	2.00@ 3.00
Tulips.....	2.00@ 4.00
Freesia.....	2.00@ 4.00
Lilac.....	.50@ 2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00

BUFFALO, Mar. 17.

Roses, Beauty.....	3.00@35.00
" " Bride, Bridesmaid, Meteor.....	3.00@10.00
Carnations.....	1.50@ 5.00
Harrisii.....	12.50@15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, astringa.....	40.00@50.00
Smilax.....	@15.00
Adiantum.....	.50@ 1.00
Violets.....	.20@ .50
Callas.....	8.00@10.00
Sweet Peas.....	.40@ .60

Get Our **LAUREL FESTOONING**

and Southern Smilax for your Easter decorations. No. 1 quality Laurel Festooning, made all round, full and the best made, fresh from the woods, 4c, 5c and 6c per yd. 50 lb. case, finest Smilax ever sold, only \$6.00. Fancy ferns, \$2.00 per 1000. Dagger Ferns, \$1.50 per 1000. All stock Bronze and Green Galax, 75c per 1000; discount on 10,000 lots. Send us your orders early for Easter and get the best to be had at bottom prices and fresh from the woods. Satisfaction guaranteed. Thanking you for past favors we are yours to command.



Millington, Mass.

Tel. offices, New Salem.

Long distance telephone connection.

Please mention the American Florist when writing.

Michigan Cut Flower Exchange,
WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK. Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Telephone 2065 Madison Sq. Wholesale Florists.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK

REPRESENTING EMINENT GROWERS.

JULIUS LANG,

53 West 30th Street, NEW YORK.

COMMISSION DEALER IN FLOWERS.

Telephone 280 Madison Square.

VIOLETS. WILLIAM GHORMLEY, VIOLETS Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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. Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 956 Madison Sq. 115 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. New York. Cut Flower Exchange,

OPEN 6:00 A. M.

An Unequelled 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.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, MAR. 16.

Roses, Beauty, best.....	15.00@35.00
" " medium.....	4.00@10.00
" " culls.....	.50@ 2.00
" Bride, Bridesmaid, G. Gate	2.00@10.00
" Liberty.....	3.00@35.00
Carnations.....	.75@ 2.00
" fancy and novelties.....	2.00@ 4.00
Lily of the valley.....	1.00@ 2.00
Lilies, Callas.....	4.00@ 8.00
Violets.....	.25@ .40
" special.....	.50@ .60
Smilax.....	10.00@16.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Dendrobium formosum.....	30.00@40.00
Mignonette.....	1.00@ 4.00
Roman Hyacinths.....	1.00@ 1.50
Tulips.....	.50@ 3.00
Narcissus.....	1.00@ 2.00
Gardenias.....	25.00@50.00
Freesia.....	.06@ .12 per bun.
Stocks.....	.20@ .35 per bun.
Sweet peas.....	.05@ .12 per bun.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK Tel. 2230 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

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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.

THE NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments TELEPHONE J. A. MILLANG, 756 Madison Sq. MANAGER

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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.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421 Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.
Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. **Cable Address: ALEXCONNELL.**
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TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

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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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by
E. J. VAWTER
GROWER AND DEALER
522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

24i Massachusetts Ave., INDIANAPOLIS, IN U.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**
4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The table herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Campania	1	Sat. Mar. 26, Noon.	Apr. 2
New York.....	"	Etruria	1	Sat. Apr. 2, 7:00 a. m.	Apr. 9
Boston.....	"	Saxonia	1	Tues Mar. 29, 7:30 a. m.	Apr. 5
New York.....	Glasgow	Numidian	2	Thur. Mar. 31, 11:00 a. m.	Apr. 10
New York.....	Hamburg	Bleucher	3	Thur. Mar. 24, 10:00 a. m.	Apr. 2
New York.....	"	Moltke	3	Thur. Mar. 31, 10:00 a. m.	Apr. 9
New York.....	"	Pennsylvania	3	Sat. Apr. 2, 6:30 a. m.	Apr. 12
New York.....	Copenhagen	Norge	4	Sat. Mar. 26, 2:00 p. m.	
New York.....	"	Oscar II	4	Wed. Mar. 30, 2:00 p. m.	
New York.....	Glasgow	Columbia	5	Sat. Apr. 2, 10:10 a. m.	Apr. 12
New York.....	London	Mesaba	8	Sat. Mar. 26, 9:00 a. m.	Apr. 5
New York.....	"	Minnetonka	8	Sat. Apr. 2, 7:00 a. m.	Apr. 12
New York.....	Liverpool	Cedric	7	Wed. Mar. 20, 9:00 a. m.	Mar. 30
New York.....	"	Majestic	7	Wed. Mar. 30, 10:00 a. m.	Apr. 6
New York.....	"	Arabic	7	Fri. Apr. 1, 5:00 p. m.	Apr. 8
Boston.....	"	Cretic	7	Thur. Mar. 31, 9:30 a. m.	Apr. 7
Boston.....	Naples	Republic	7	Sat. Mar. 26, 4:00 p. m.	Apr. 9
New York.....	Southampton	Philadelphia	8	Sat. Mar. 26, 9:30 a. m.	Apr. 2
New York.....	"	St. Louis	8	Sat. Apr. 2, 9:30 a. m.	Apr. 9
New York.....	Antwerp	Zeeland	9	Sat. Mar. 26 10:30 a. m.	Apr. 5
New York.....	"	Finland	9	Sat. Apr. 2, 10:30 a. m.	Apr. 11
New York.....	Havre	La Savoie	10	Thur. Mar. 24, 10:00 a. m.	Apr. 3
New York.....	"	La Champagne	10	Thur. Mar. 31, 10:00 a. m.	Apr. 10
New York.....	Rotterdam	Noordam	11	Tues. Mar. 22, 10:00 a. m.	Apr. 1
New York.....	"	Statendam	11	Tues. Mar. 29, 10:00 a. m.	Apr. 8
New York.....	Genoa	Nord America	12	Tues. Mar. 22, 11:00 a. m.	Apr. 7
New York.....	"	Liguria	12	Tues. Mar. 29, 11:00 a. m.	Apr. 13
New York.....	Bremen	Kronprinz Wilhelm	13	Tues. Mar. 22, 8:00 a. m.	Mar. 28
New York.....	"	Main	13	Thur. Mar. 24, 10:00 a. m.	Apr. 5
New York.....	"	K. Wil. Der Grosse	13	Tues. Mar. 29, 10:00 a. m.	Apr. 5
New York.....	Naples	Neckar	13	Sat. Mar. 26, 11:00 a. m.	Apr. 7
New York.....	Genoa	Prinzess Irene	13	Sat. Apr. 2, 11:00 a. m.	Apr. 15
Boston.....	Liverpool	Devonian	14	Wed. Mar. 23, 2:00 p. m.	Apr. 2
Boston.....	"	Winifredian	14	Wed. Mar. 30, 8:30 a. m.	Apr. 9

*1 Cunard; 2 Alcoa-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

**JOHN BREITMEYER'S
SONS**
Cor. MIAMI and GRATIOT AVES.
[DETROIT, MICH.]

Artistic Designs. * * * * *
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.
Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."
Please mention the American Florist when writing.

DENVER.

**The Park
Floral Co.**
J. A. VALENTINE, DENVER, COLO.
Pres.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,
33 Post Street, SAN FRANCISCO, CAL.

GALAX

Bronze or Green, \$1.00 per 1000 or 75c per 1000 in 3,000 lots or more.

Leucothoe Sprays, green or bronze, per 100, 90c; per 1000 \$7.50.

Green Sheet Moss, per barrel sack, \$2.50.

Southern Smilax, fresh stock, per 50 lb. case, \$6.00. Per 25 lb. case, \$3.50.

Palm Buds, for Palm Sunday, short size, \$1.00 per doz.; medium size, \$1.50 per doz.; large size, \$2.00 per doz.

Palmetto Leaves, for decorations, large size, \$2.00 per 100; medium size, \$1.50 per 100.

Pot Covers, Porto Rico Matting and Crepe Paper in many rich varieties at lowest prices.

L. J. KRESHOVER,
110-112 W. 27th St., New York City.
Tel. 597 Madison Square.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Lucania	1	Sat. Mar. 26	Apr. 2
Liverpool.....	"	Umbria	1	Sat. Apr. 2	Apr. 9
Liverpool.....	Boston	Iveria	1	Tues. Mar. 29	Apr. 5
Glasgow.....	New York	Mongolian	2	Sat. Mar. 26	Apr. 5
Hamburg.....	"	Deutschland	3	Thur. Mar. 24	Apr. 1
Hamburg.....	"	Pretoria	3	Sat. Apr. 2	Apr. 12
Genoa.....	"	Prinz Oskar	3	Tues. Mar. 22	Apr. 6
Copenhagen.....	"	United States	4	Wed. Mar. 23	
Glasgow.....	"	Anchoria	5	Thur. Mar. 24	Apr. 3
Glasgow.....	"	Furnessia	5	Thur. Mar. 31	Apr. 10
London.....	"	Marquette	6	Sat. Mar. 24	Apr. 3
London.....	"	Mionehaha	6	Sat. Apr. 2	Apr. 12
Liverpool.....	"	Oceanic	7	Wed. Mar. 23	Mar. 29
Liverpool.....	"	Teutonic	7	Wed. Mar. 30	Apr. 6
Liverpool.....	"	Celtic	7	Fri. Apr. 1	" 8
Liverpool.....	Boston	Cymric	7	Thur. Mar. 31	" 7
Alexandria.....	"	Canopic	7	Thur. Mar. 31	" 20
Southampton.....	New York	New York	8	Sat. Mar. 23	Mar. 30
Southampton.....	"	St. Paul	8	Sat. Apr. 2	Apr. 8
Antwerp.....	"	Vaderland	9	Sat. Mar. 26	" 4
Antwerp.....	"	Kroonland	9	Sat. Apr. 2	" 11
Havre.....	"	La Touraine	10	Sat. Mar. 25	" 5
Havre.....	"	La Lorraine	10	Sat. Apr. 2	" 12
Rotterdam.....	"	Rotterdam	11	Sat. Mar. 26	" 5
Rotterdam.....	"	Rhyndam	11	Sat. Apr. 2	" 12
Genoa.....	"	Sardegna	12	Mon. Mar. 21	" 6
Genoa.....	"	Citta di Milao	12	Mon. Mar. 28	" 13
Bremen.....	"	Prinzess Alice	13	Tues. Mar. 22	Mar. 31
Bremen.....	"	Kaiser Wilh. II	13	Tues. Mar. 29	Apr. 5
Bremen.....	"	Bremen	13	Sat. Apr. 2	" 12
Genoa.....	"	Koenigen Louise	13	Thur. Mar. 31	" 13
Liverpool.....	Boston	Canadian	14	Sat. Mar. 26	" 5
Liverpool.....	"	Cestrian	14	Sat. Apr. 2	" 12

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.	\$5.00
" " 30-in. "	"	4.00
" " 20-24 "	"	\$2.50 to 3.00
" " 15-18 "	"	1.50 to 2.00
" " Short stems.....	"	1.00 to 1.25
Per 100		
SUNRISE.....	\$4.00 to	\$8.00
CHATENAY.....	6.00 to	12.00
BRIDE.....	5.00 to	8.00
BRIDESMAID.....	5.00 to	8.00
PERLE.....	5.00 to	8.00
CARNATIONS.....	2.00 to	3.00
ROSES, OUR SELECTION.....		4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

It is good business policy
.....to mention the

American Florist

When you write to an advertiser.

HOLTON & HUNKEL CO., -- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

— WRITE FOR OUR WEEKLY PRICE LIST. —



ORCHIDS.

"GET IN THE HABIT"

Of calling up Long Distance Phone Central 3598, or Telegraph, or a letter to

CHAS. W. MCKELLAR, - 51 Wabash Ave., CHICAGO.

WHEN YOU WANT

ORCHIDS, VIOLETS, VALLEY, FANCY ROSES, FANCY CARNATIONS, BULBOUS FLOWERS, AND GREENS OF ALL KINDS; OR SUPPLIES AND WIRE WORK OF ANY KIND.

ORDERS BOOKED NOW FOR EASTER

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.

Twenty-second annual convention, St. Louis, Mo., June 21, 1904.

CUCUMBER, in pickling sorts, is easier, with White Spine very scarce.

THE Carlson aster, introduced about three years ago, is still very popular.

SWEET peas have been in stronger demand this season than for several years past.

SWEET CORN prices generally appear to be on the decline, but there is a shortage of early sorts.

ONION sets are still in good demand, whites worth \$2.50 at Chicago, while reds are now higher and yellows lower than last week. All will likely be wanted before the season is over.

OWING to continued cold and unseasonable weather and snow storms the retail mail seed trade in the west for March to date shows quite a falling off over March business in previous years.

FROM Toulon we learn that the value of the flower bulbs exported to the United States during the season of 1903 was approximately \$127,000, which is a trifle less than the total value the previous year, 1902. It is added that the next bulb season promises to be good on account of the rainy weather the present winter.

A Timely Example.

At this time of the year, when each mail brings disappointments to the seedsmen as to short crops and deliveries, former reports to the contrary, it is interesting to hear of an European case of the past season in which a large wholesale house had sold considerable quantities of peas for future delivery. When the crop turned out so very short this concern went to the open market and bought sufficient stock to complete the advance orders, although the orders had been taken subject to the usual crop conditions. This, we are told, meant a loss of some £2,000, and the firm is convinced that it was money well spent.

Judge Rules For Seedsmen.

Judge Vinsonhaler Monday passed on a point that is of considerable interest to the many seed growers in this county, as it upheld the validity of the seed contracts generally in force. The case was that of James C. Robinson, a wholesale seed merchant of Waterloo, against Charles H. Cobb, a seed raiser, who had raised ten acres of seed corn under contract. After maturity, when seed corn had advanced very greatly in price, the corn was sold to someone else, and Robinson brought suit for damages.

The court found for the plaintiff, sustaining the validity of the contract. A few days ago the district court in Sarpy county, through Judge Sutton, held that title to the seed did not pass by reason of the contract, thus establishing one phase of the matter, but it is now further held that notwithstanding that, an action for damages may be maintained under the contract.—*Omaha World-Herald*, March 8, 1904.

Growing Cauliflower Seed In Denmark.

From a small beginning about forty years ago, the growing of cauliflower seed has become an important industry with the Danish gardeners, especially for those in the vicinity of Copenhagen. The cool, moist and temperate climate there exerts a great influence in fostering a strong growth in the plants right up to the time when the seed is harvested. This, combined with the fact that the growers are conscientious and skilled gardeners, has given the Danish grown cauliflower seed so high a repute that it is now sold all over the world, the United States taking a large share of the output. The only kind grown is the Early Dwarf Erfurt with its varieties, Snowball for early use and Large Danish for summer use. The seed is sown in the beginning of September and generally two sowings are made to insure seedlings of the right size for wintering; generally the autumn is mild and then the last sowing is selected. As soon as the seedlings are large enough to be handled they are pricked off in a carefully prepared frame, only the strongest and healthiest being used. They are set about two inches apart, in very sandy soil and here they are wintered, free from frost, getting all the light and air necessary.

In the beginning of March a hotbed is prepared of manure worked over several times to insure a steady, gentle heat; by the middle of March this bed is ready to receive the plants which are then subjected to a second selection. Generally we set seventy-seven plants—7x11 rows—in a sash of average size. They here receive a generous treatment with all the ventilation possible and in April the sash is taken off in daytime, when weather permits, and air is given at night. In the latter part of April, differing according to the season, transplanting to the open ground takes place, the glass having been taken off some days before. The ground is generally prepared in the fall, getting a heavy manuring and a deep plowing and it is harrowed and rolled but once before planting. The plants are lifted carefully, only large and perfectly

healthy plants being chosen and taken to the field so that the balls are not broken. They are generally planted about eighteen inches apart, with three feet between the rows. This final transplanting is a most critical operation and is done with great care. It must be done just at the right point and in a capricious season, during a short span of time, it is surprising to see the difference a few days belated or too early planting can make on the crop.

Planting well over, the grower heaves a sigh of relief and confines his work to cultivating and watering until heading commences, when the roguing is done. This final selection of the plants requires a sharp eye, trained by long experience, and is generally the work of the grower himself; only good and typical heads are chosen; the very best heads, possibly four or six to the acre, are marked and numbered, the seed of these to be used for further seed growing. After this, hoeing and watering is the only work done until the seedpods are full grown when it is necessary to stake them. During the last part of September and the first of October the seed is harvested, tied in small sheaves and hung in a drying shed, for from four to six weeks before threshing. Then the seed is cleaned, sorted and dried and is ready to be put on the market.

Formerly the seed was grown to order only for German and French seed houses so that even Danish gardeners bought their supply, grown near Copenhagen, from Erfurt. But this state of affairs is a thing of the past and the energetic Danish growers are now in direct communication with seedsmen all over the world.

For the accompanying illustration I am indebted to A. Hansen, Copenhagen, one of the pioneers of this trade and the man who probably has done most to free us from dependence on German and French seedsmen. He is the largest grower, operating about twenty acres, and growing mostly the Snowball variety. He also has invented an ingenious machine for the final sorting of the seed. He is shown in the foreground of the picture. H.



GROWING CAULIFLOWER SEED IN DENMARK.

(Cauliflower field at maturity.)



**THE
GREATEST PEONY**

OF THE

CENTURY

We don't know everything about the thousand and one Peonies as yet: but one thing is agreed upon by all—

Festiva Maxima

is the best all round commercial white of tested merit to date, and everybody wants it. We have a special importation from Europe of this fine variety which we offer for prompt order and unsold as follows:

50c each; \$5.00 per doz.; \$35.00 per 100,

track Philadelphia.

Peonies should be planted as early as possible in the spring; if you desire some stock of this fine variety let us hear from you at once.

10 Per Cent. Off

the above prices for cash with order.

We are in a position to quote favorable prices on other peony roots for florists' trade and will be pleased to have your inquiries.

Watson's Seed Store,
JUNIPER AND LOCUST STS.,
PHILADELPHIA.

Please mention the American Florist when writing.

Vaughan's Forcing Bulbs

For the Coming Season.

Our arrangements for high grade bulbs of Liliun 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.

Owing to new Custom House regulations it will pay you to place your order for imported stock with an American dealer.

Write for Prices before Closing any Forcing Stock Orders.



VAUGHAN'S "STAR BRAND" PAPER WHITES.

Vaughan's Seed Store

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

LILY of the VALLEY.

FROM COLD STORAGE.

Buy your Valley Pips from a specialist and get the best. I own and control some of the finest Valley that comes to this country and am able to furnish at all times the best the season affords. I am sure that there is nothing arriving or kept in storage that will eclipse the quality of my stock. Try a sample case and I have no doubt that you will find them eminently perfect and buy again. \$1.50 per 100; \$13.00 per 1000; \$30.00 per case of 2500.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO, ILL.



**Cushman's Hybrid
Gladiolus Bulbs**

—AT PRACTICAL LIVING PRICES—

Our Bulbs are not better than the best, but better than the rest. Try them. \$5.00 per 1000 for fine blooming size. Light mixture.

Cushman Gladiolus Co.
SYLVANIA, O.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, SEED GROWERS, PHILADELPHIA, PA.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

LOGAN, UTAH.—A county board of horticulture was organized March 2 by the county commissioners. A vigorous campaign will be inaugurated against peach blight.

HOLYOKE, MASS.—The Holyoke Horticultural Society has elected officers as follows: President, Dr. E. A. Reed; vice-president, D. F. Sickman; secretary, G. H. Sinclair; treasurer, C. E. Mackintosh.

LYNN, MASS.—The annual supper of the Houghton Horticultural Society on the evening of March 3 was attended by about 250 people. J. K. M. L. Farquhar gave an interesting stereopticon talk on the flowers of Japan.

NEW HAVEN, CONN.—The annual banquet of the New Haven County Horticultural Society will be held on March 29 at the Tontine hotel. Many members of the Hartford Florists' Club are expected to be present as guests.

Two pounds of whale oil soap to one gallon of water and one pint of kerosene oil, applied with a paint brush to the trunks and branches of trees and sprayed over the inaccessible twigs, is recommended as a good home made remedy for the San Jose scale.

A BILL has been presented in the Massachusetts legislature providing for the appointment by the governor of a state forester whose duty it shall be to further the perpetuation, extension and proper management of the forest lands of the state, both public and private.

GREENFIELD, IND.—Horace G. Beckner has formed the Capitol City Nursery and Orchard Company, with a capital stock of \$10,000. E. A. Henby and Mrs. Ona Beckner are shareholders and directors. Mr. Beckner has been a successful dealer for a number of years.

AMHERST, MASS.—The horticultural department of the experiment station reports that the very cold weather of the last two months has seriously damaged the peach trees of New England, the fruit buds having been killed and many of the branches being also killed outright.

ST. JOSEPH, MO.—A meeting of the Buchanan County Horticultural Society was held at the court house March 6. Most of the time of the session was consumed in comparing fruit twigs and discussing the prospects for crops this year. The twigs exhibited substantiate the opinion that while the severe freezes damaged the fruit to a great extent, there is still prospect for good crops.

The tenth annual meeting of the Massachusetts Fruit Growers' Association was held at Worcester, on March 9. "Home-grown Nursery Trees" was the title of a paper presented by Prof. Geo. O. Greene, of Amherst. Prof. F. T. Fernald, of Amherst, spoke on the "San Jose Scale." He said it had now been fully proven that this insect can stand the coldest winters and all parts of the country are exposed to its attacks. Speaking of the astonishing rapidity of increase of this insect he said it had been

calculated that the total number of descendants from a single individual during one summer numbers 3,216,080,400. A. H. Kirkland gave a stereopticon talk on "Some Common Fruit-tree Insects."

Grafting Japanese Maples.

ED. AM. FLORIST:—Please inform me what is the best time to graft in greenhouses the Japanese maple; what temperature they want and what kind of grafting is preferable? D. J.

For grafting Japanese maples under glass from February to the last of March is the best time for the spring operations and August and September for the summer months. They can be successfully grafted at both seasons. The best methods of grafting are the cleft grafting, splice grafting and veneer on the side, and they are best done under a double-lighted frame in the greenhouse. The plants should, if possible, be potted the spring before so as to be well established in the pots. Keep them in a cold pit or frame until they are required. It is well to bring them into the heat a few weeks to get them well started before grafting. Have the scions cut and kept in a cool place until ready for use. If the plants after they have been grafted are plunged in damp sphagnum moss and kept close with a slight bottom heat, the grafts will take much easier. The frames will need to be kept close for the first few weeks, only opening them to let off surplus moisture. At the end of two weeks some air can be given for a few hours morning and evening, when the greenhouse is closed. It is best to keep the grafts close when air is given to the greenhouse. At the end of a month they ought to have air in plenty, so as to harden them off gradually. As soon as the grafts are well taken they can be removed to the body of the house. By

using the damp moss they need not be watered so often, otherwise they should be. The Japanese maples, that is the polymorphum and Japanese types, are best worked on the common polymorphums, in fact they will not succeed on any other varieties known of at present. I have thought that if we had *Acer circinatum* from Oregon they might possibly succeed on that. For stock for the grafting the seedlings or layers of *Acer polymorphum*, should be used, top layers usually taking two years to become well rooted. In many nurseries the Japanese maples are all propagated by layering. While a little slower method than grafting it is much surer. As the Japanese maples are somewhat tender, it is better to cut the scions in the late fall or early winter and heal them in in boxes of sand or moss, keeping in a cool pit that does not freeze, until wanted for use.

JACKSON DAWSON.

Vinca Variegata.

Large clumps, nice young growth, \$4.50 per 100 to close out

AGERATUM, Gurney, Pauline. SALVIA, Splendens, Silver Spot, Bonfire. PETUNIA, double, 15 kinds. VINCA, variegated, 2-inch, 2c.

REX BEGONIA, 2 sorts, 3c.

Rooted Cuttings Prepaid. SALVIA, Silver Spot, Bonfire, Splendens. STEVIA, variegated, 90c per 100. AGERATUM, White, S. Gurney, P. Pauline. ALTERNANTHERA, red, yellow, 50c per 100. PINKS, 5 fine kinds, 75c per 100. PETUNIA, double, 15 kinds, \$1.00 per 100. FUCHSIAS, 5 kinds, \$1.25 per 100. DAISY, \$1.00 per 100. REX BEGONIA, assorted, \$1.10 per 100.

HARDY PINKS, Field clumps, good sorts, \$4.50 per 100 to close out.

—CASH—

BYER BROS., Chambersburg, Pa.

Always mention the.....

American Florist

when you write to an advertiser.

New Hardy Sunflower.

Helianthus Sparsifolia.

Will become very popular when its merits are generally known. 5 to 6 feet high; flowers 5 inches in diameter, producing lateral flower stems 2 1-2 feet in length. Indispensable for cutting.

25c Each; \$2.50 Per Dozen.

Vincas.

Two varieties, Green and Variegated. From 3-inch pots,

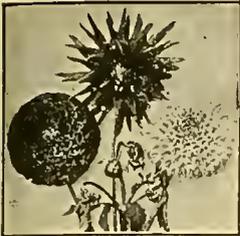
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Helianthus Sparsifolia.



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The World's Best
White Dahlia.
\$18.00 per 100.

Ingeborg Egeland,
the best scarlet
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doz. Other novelties and standards. Also 20,000 double field-grown Hollyhocks in separate colors of red, white, pink, yellow and maroon, \$3.00 per 100. Gladioli and hardy plants. Send for catalogue before ordering.

W. W. WILMORE, The Dahlia Specialist.
Box 382, DENVER, COLO.

CALIFORNIA PRIVET.

	Per 1000
200,000 2 yrs., 2 to 2 1/2 ft., very bushy.....	\$20.00
150,000 2 yrs., 18 to 24 in., very bushy.....	16.00
100,000 2 yrs., 12 to 18 in., very bushy.....	10.00
200,000 1 yr., 12 to 18 in., branched.....	9.00
200,000 1 yr., 10 to 12 in., branched.....	7.00
100,000 Cuttings, 8 in., strong.....	.80
100,000 Cuttings, 8 in., light.....	.60

Also have a large stock in Asparagus Roots, 2 yrs., Palmello and Barrs. 30,000 Canna Roots, 50,000 Tuberose Roots, 5,000 Geraniums, 2 1/2 pots, all good stock and low prices. Write for trade list.

J. H. O'HACAN, Little Silver, N. J.

Please mention the American Florist when writing.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

2,500 Norway,

Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in. At bottom prices.

J. J. STYER, Concordville, Pa.

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QUALITY. QUANTITY.

Ask our prices for

AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.

Price List Free on Application.

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When you look upon the flowering of your bulbs? Why not let them shine with delight by buying your bulbs from

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Member of R. Schoo & Co., Bulb Growers, Hillegom, (Holland). Write to-day.

136 Water Street, NEW YORK.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and all kinds of Forcing Bulbs and Ornamental Plants for Florists or Nurserymen. Raffia, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

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(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality.

When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot.

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The Glenwood Nurseries offer the finest Trees both **DECIDUOUS and EVERGREEN, FLOWER-ING SHRUBS and VINES** OF ALL SIZES IN GENERAL ASSORTMENT.

Large size Trees and Shrubs are a specialty with us. We have them in quantity. Special quotations to large buyers. Send us your lists of wants. New trade list ready.

The WM. H. MOON CO.,

60 Miles from New York.
30 Miles from Philadelphia.

Morrisville, Pa.

NOW IS THE TIME TO ORDER

Exochorda Gril., 18 to 24-inch, bushy.....	Per 100 \$ 8.00	Oranges, 15 to 18-inch, 5-inch pots.....	Per 100 30.00
Lonicera 1/2 Belgica and Heckrotti, 3 to 4 feet, bushy.....	8.00	Lemons, grafted, 18 to 24-inch, 5-inch pots.....	30.00
Ampelopsis Japonica, 2 1/2-inch pots.....	4.00	Kentia Belmoreana, 12 to 15-inch, 5 leaves.....	18.00
Cedrus Deodara, 15 to 18-inch.....	25.00	Latania, 15-inch, 3 to 4 ch. leaves.....	20.00
Cedrus Deodara, 20 to 24-inch.....	30.00	Phoenix Canariensis, 15 to 18-inch, 2 to 3 leaves, showing character.....	15.00
Oranges, best sorts, grafted, bearing size 12-inch, bushy, 4-inch pots.....	20.00	Not less than 50 of a kind at above prices.	
Ligustrum Amurense, true, 2 to 3-feet branched.....	per 1000, \$20.00		

Write for Wholesale and Descriptive Catalogue.

P. J. BERCKMANS CO., (Inc.)

FRUITLAND NURSERIES.

Established 1858.

AUGUSTA, GA.

Specimen Shrubs and Fine White Pines.

—SEND FOR PRICES.—

EASTERN NURSERIES, Jamaica Plain, Mass.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

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BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain Please mention the American Florist when writing.

4,000,000 Peach Trees

JUNE BUDS A SPECIALTY.

No agents traveled, but sell direct to planters at wholesale prices. Absolutely free from diseases and true to name. Write us for catalogue and prices before placing your order elsewhere. We guarantee our stock to be true to name. Largest Peach Nursery in the world. Address

J. C. HALE, - - - Winchester, Tenn.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Omaha, Neb.

The Omaha Florists' Club held its annual bowling tournament March 11. The tournament was well attended, and after the contest luncheon was served. Twenty prizes were offered by different firms, from six towels up to a \$16 Florentine mirror from the Midland Glass and Paint Company. M. H. Bath made the best average for three games, W. J. F. Wilcox was second, P. Floth third, L. Henderson fourth, S. R. Faulkner fifth and A. Donaghue sixth. The highest score in one of the games was made by J. H. Bath with 207. J. F. Wilcox was second with 181, L. Henderson third with 142, and P. Floth fourth with 140. The consolation prize went to George Sorenson, of Florence, Neb., and the hard luck prize to W. W. Ellsworth. Among the out-of-town guests were Mr. Valentine, from Denver; Charles Green, of Fremont, Neb., and Mr. Reed, with the George Wittbold Company, Chicago. GRIPPE.

At Jamestown, N. Y.

The two teams of the Lake View Rose Gardens Bowling Club met at the Empire alleys on March 14. The Carnation Growers won the first two games and the third was a tie, which was rolled off, one ball to a man, the Carnation Growers again winning. The following scores were made:

CARNATION GROWERS.			
Player—	1st	2nd	3rd
Savage.....	182	174	182
Welsh.....	187	146	185
Roper.....	143	119	117
Doxie.....	124	149	151
Derosie.....	145	116	140
Mausner.....	94	156	113
Totals.....	875	860	888

ROSE GROWERS.			
Player—	1st	2nd	3rd
Lydon.....	152	187	199
Brooks.....	135	178	194
Adams.....	110	98	106
Eidens.....	129	156	111
Messenger.....	121	88	122
McCue.....	166	137	156
Totals.....	813	824	888

J. W. L.

At Baltimore.

The first of a series of games between teams from the Florists' Clubs of Philadelphia, Washington and Baltimore for the silver cup presented by F. H. Kramer, of Washington, was bowled March 14. The game played some weeks ago in Washington and won by the Baltimore team was annulled, the Philadelphians not being then on hand. On this occasion the Baltimores won in three straight games, the score being 864, 853, 846. The Washingtons' score was 732, 780, 738, and the Philadelphias' 818, 823, 848. The Baltimore team was composed of C. L. Seibold, Robt. Halliday, James Boone, Mac. Richmond and Mr. Kreh. The bowlers attended the club's annual dinner. The next game will be rolled in Philadelphia March 23.

After the meeting the club had its annual dinner at the Academy hotel, from fifty to sixty persons being present. E. A. Seidewitz was toastmaster and Mr. Morgan, president of the First Branch of the City Council represented the city. Speeches were made by Messrs. Gibson and Connor, of Philadelphia; Kramer, McClellan and Schaeffer, of Washington, and by Mr. Seibold, captain of the Baltimore bowling team. S. B.

At Chicago.

The Chicago Florists' Club bowling team rolled a set of interesting games at

the Geroux alleys Tuesday evening, March 15, with the following scores:

Player	1st	2d	3d
Stevens.....	125	140	173
Matte.....	126	165	139
Degnan.....	131	177	163
Phillips.....	98	143	136
Geo. Scott.....	119	153	131
Balluff.....	131	170	196
Asmus.....	142	167	176
Winterson.....	121	131	131
Essa.....	117	112	171
H. E. Philpott.....	58	112	90

CHESTER, PA.—Henry McDermott will assume charge as manager of the Delahunt Estate Greenhouses after April 1.

HINODE FLORIST GO.

County Road, SECAUCUS, N. J.
And Fifth Street, WOODSIDE, N. Y.

Largest Growers of EASTER LILIES

Plants with from 4 to 8 buds. Prices 12c per bud for pot plants. 11c per bud for cut flowers. Fine AZALEAS, 50c up.

—ALSO—

Japanese Novelties In Blooming Wistarias, Etc.

CHRYSANTHEMUM MANUAL.

NEW BOOK BY ELMER D. SMITH.

Will be ready soon.

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- CHAPTER XV.—TYPES AND SELECTIONS.—Types.—Selections.

WE ARE NOW BOOKING ORDERS. PRICE, 25 CENTS, CASH WITH ORDER.

American Florist Co., 324 Dearborn Street, Chicago.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Largest Grower in the World.

(ONE MILLION SQUARE FEET OF GLASS.)

You ought to have **CHATENAY** the most popular Rose for **EASTER**.

EASTER LILIES

ROSES

CARNATIONS

Orders booked now will receive special attention.

OUR EASTER PRICE LIST.

	Per Doz.		Per 100
BEAUTIES		MAID	\$6.00 to \$10.00
Extra select.....	\$6.00	GOLDEN GATE	6.00 to 10.00
30-inch stem.....	5.00	CHATENAY	6.00 to 12.00
24-inch stem.....	4.00	LIBERTY	6.00 to 12.00
20-inch stem.....	3.00	SUNRISE	6.00 to 8.00
15-inch stem.....	2.00	PERLE	6.00 to 8.00
12-inch stem.....	1.50	IVORY	6.00 to 10.00
Short.....	1.00	CARNATIONS	3.00 to 4.00
	Per 100	“ Fancy.....	5.00 to 6.00
BRIDE	\$6.00 to \$10.00		

CUT EASTER LILIES, \$2 per doz.; \$15 per 100.

LILIES FOR EASTER

We Advise Booking Easter Orders Early.

Price List for Easter.

AMERICAN BEAUTY. Per doz.	
Stems, 30 to 40 inches.....	\$5.00 \$6.00
“ 24 “	4.00
“ 20 “	3.00
“ 15 “	2.00
“ 12 “	1.50
Short stems, per 100.....	\$6.00 to 8.00

ROSES. Per 100	
Bride and Maid.....	\$6.00—\$10.00
Meteor.....	6.00— 10.00
Golden Gate.....	6.00— 10.00
Perle.....	6.00— 10.00
Roses, our selection.....	5.00

CARNATIONS. Per 100.	
Standard sorts.....	\$4 00
Fancies	\$5.00— 6.00

MISCELLANEOUS.	
Callas..... per doz ,	\$1.50—\$2.00
Valley.....per 100,	3.00— 4.00
Sweet Peas	1.00— 1.50
Paper Whites.....	3.00— 4 00
Daffodils.....	3.00— 4.00
Tulips.....	3.00— 5.00
Freeseias.....	3.00— 4 00
Marguerites	1.00— 1.50
Violets.....	.75— 1.00
Mignonette.....per doz.,	.50— 1.00

DECORATIVE.	
Asparagus.....per string, \$	.25— .50
Galax, 1000, 1.25; per 100	.15
FERNS , 1000, 3.50,	.40
Leucothoe Sprays, “	.75
Adiantum.....	1.00
Smilax.....per doz.,	2.00— 2.50

Subject to change without notice.

ONE of our best growers makes a specialty of forcing Lilies for Easter and has, year after year, produced the best lilies offered in this market. This season the stock is looking even better than usual and for Easter we shall have

15,000

These are all true Longiflorum and in perfect condition.

\$2.00 per dozen; \$15.00 per 100;
\$125.00 per 1000. 500 AT
1000 RATE.

We shall also have large supplies of all other seasonable flowers. Our Brides and Maids are averaging quite the best coming to this market and we are marketing a good steady cut.

Choice Carnations in large supply. All bulbous stock in best grades.

Asparagus and Smilax are specialties with us. Plenty of Asparagus; long heavy strings, just the thing for Easter decorations.

Plenty of first-class Hardy Ferns.

Better write us today. Let us have your order as soon as you get a line on your needs and add to it as you book your orders.

E. G. AMLING,

32-34-36 Randolph St., CHICAGO, ILL.

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

LONG DISTANCE TELEPHONE 1978 AND 1977 CENTRAL.

EASTER CUT FLOWERS.

GEO. REINBERG, 51 Wabash Ave., CHICAGO.

Send in your main order early. Let special orders follow by wire. Large and small orders appreciated. Harrisii will be scarce. So will Good Carnations and Roses.

PRICES TAKING EFFECT MARCH 27th.

AMERICAN BEAUTIES.

Use the letters to indicate length and price.

Extra Long Selected—X.....	per doz.,	\$4.00 to \$6.00
32-36 inch—A.....	per doz.,	3.00 to 5.00
28-30 inch B.....	per doz.,	2.50 to 4.00
24-26 inch C.....	per doz.,	2.00 to 3.00
18-21 inch D.....	per doz.,	1.50 to 2.00
12-15 inch E.....	per doz.,	1.50
8-10 inch F.....	per doz.,	1.00
Short Stem G.....	per 100	4.00 to 6.00

		Per 100
Harrisii.....	\$12.50 to \$15.00	
Callas.....	12.50 to 15.00	
Tulips.....	3.00 to 5.00	
Daffodils.....	3.00 to 4.00	
Narcissus.....	3.00 to 4.00	
Lily of the Valley.....	4.00	
Select Violets.....	.75 to 1.00	

ROSES.

Per 100

Bridesmaid.....	\$6.00 to \$10.00
Bride.....	6.00 to 10.00
Golden Gate.....	6.00 to 10.00
Liberty.....	6.00 to 10.00
Ivory.....	6.00 to 10.00

CARNATIONS.

Pink and White, Good.....	3.00
Pink and White, Select.....	4.00 to 5.00

GREEN GOODS.

Smilax.....	per doz., \$2.50
Adiantum.....	per 100, 1.00
Ferns.....	per 1000, 3.50
Asparagus Plumosus.....	per string, 35c to 50c
Asparagus Plumosus Sprays.....	per bu., 35c to 50c
Asparagus Sprengeri Sprays.....	per bu., 35c to 50c

I can quote you prices any time on large quantities of either Roses or Carnations for a special sale or funeral work at a low price. I solicit your esteemed patronage. **We have the goods.** Buy direct from the Grower and get the best stock at the right price, and the best all-around treatment. You save money by so doing both in price and quality of stock.

800,000 SQUARE FEET OF GLASS. WHY CAN'T I SUPPLY YOU.

This is Not Confidential

A SATISFACTORY EASTER

Is Good Stock, Well Bought and good Customers Well Served. For many years our sole aim has been to furnish such flowers in such shape as to give satisfaction in every respect. For the coming

E A S T E R

We have in sight Longiflorums in Pots and Cut, Roses, Carnations, Astilbes, Violets, Stocks, Mignonette, Lily of the Valley, Tulips, Daffodils, all varieties, Hyacinths, etc., in heavy supply and excellent quality.

As especially desirable we would mention particularly American Beauty, Bridesmaid, and Bride Roses; Lawson, Fair Maid and Enchantress Carnations.

WELCH BROTHERS

CITY HALL CUT FLOWER MARKET.

15 Province St.,

BOSTON, MASS.

Wietor Bros.,

51 Wabash Ave., CHICAGO.

Will Fill Your EASTER Wants.

EASTER PRICE LIST.

AMERICAN BEAUTY.		
	Per doz.	
Extra long stem.....	\$5.00 to	\$6.00
24-inch stem.....	3.00 to	4.00
20-inch stem.....	2.50 to	3.00
15-inch stem.....		2.00
12-inch stem.....		1.50
8-inch stem.....		1.00
	Per 100	
Bride.....	6.00 to	10.00
Bridesmaid.....	6.00 to	10.00
Meteor.....	6.00 to	10.00
Golden Gate.....	6.00 to	10.00
Perle.....	6.00 to	8.00
Ivory.....	6.00 to	10.00
Liberty.....	6.00 to	15.00
LaFrance.....	6.00 to	10.00
Carnations, fancy.....	5.00 to	6.00
“ ordinary.....		4.00
Lilies.....per doz.	\$2.00	15.00

ALL ORDERS FILLED PROMPTLY WITH THE **Best of Stock.**

Stock picked out for all shipping orders before sales are made to city buyers.

ROSES CARNATIONS

PLANTS AND CUTTINGS.

Well Rooted, Clean, Healthy and Popular Varieties. Order Now and Receive Prompt Shipment.

CARNATION CUTTINGS.

	Per 100	1000
Pink.		
Enchantress.....	\$6.00	\$50.00
Morning Glory.....	2.00	15.00
Higinbotham.....	1.50	12.50
Lawson.....	1.50	12.50
Guardian Angel.....	1.25	10.00
Cressbrook.....	1.50	12.50
Red.		
Palmer.....	2.00	15.00
Estelle.....	3.00	25.00
Harlowarden.....	3.00	25.00
White.		
Her Majesty.....	3.00	25.00
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.50
Queen Louise.....	1.50	12.50
Norway.....	1.50	12.50

CHRYSANTHEMUMS.

	Cuttings per 100	2-in. pot pls. 100.
White.		
Timothy Eaton.....	\$2.00	\$3.00
Chadwick.....	2.00	3.00
White Bonnaffon.....	1.50	2.50
Wanamaker.....	1.50	2.50
Geo. S. Kalb.....	1.50	2.50
Estelle.....	1.50	2.50
Robinson.....	1.50	2.50
Ivory.....	1.50	2.50
Merry Xmas.....	1.50	2.50
Yellow.		
Golden Wedding.....	1.50	2.50
Golden Beauty.....	1.50	2.50
October Sunshine.....	1.50	2.50
Col. Appleton.....	1.50	2.50
Yellow Bonnaffon.....	1.50	2.50
Pink.		
Mrs. Murdoch.....	1.50	2.50
Vivian-Morel.....	1.50	2.50
Mme. Perrin.....	1.50	2.50
Pacific.....	1.50	2.50

ROSE PLANTS.

	In 2½-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	
Bridesmaid.....	3.00	25.00	
Ivory.....	3.00	25.00	
Golden Gate.....	3.00	25.00	
Meteor.....	3.00	25.00	
Kaiserin.....	4.00	35.00	
LaFrance.....	5.00	40.00	
Liberty.....	6.00	50.00	

With one of the largest ranges of glass in the world, we produce first grade stock in such large quantities that there is no question of our ability to fill orders at all times. All orders carefully executed.

GIVE US YOUR ORDER NOW.

CHOICE EASTER FLOWERS IN Perfection

H EADQUARTERS for the Product of the most extensive and successful growers of special stock.

Finest American Beauty Roses, highest quality Bride, Bridesmaid, Golden Gate, Liberty and Killarney Roses.

All the popular Carnations, including the new and superb

BRIDE

Full daily receipts of all seasonable flowers and special equipment for shipping Easter Orders.

New York Cut Flower Co.

55 WEST 26th STREET.

J. A. Millang, Mgr.

NEW YORK CITY.

—NEW ROSE—

General MacArthur.

HYBRID TEA.

Color by far the most brilliant of any shade of crimson forcing rose ever offered, retaining its brilliancy when fully expanded. It is also one of the sweetest varieties ever offered, of very easy culture, as it can be grown in the same temperature as an ordinary Tea variety such as the Bride. It is a good, strong, vigorous grower, producing stems 24 to 30 inches long, a free and continuous producer. It can be grown at much less cost than Meteor or Liberty and is a much brighter color than either. Also larger when fully expanded. We predict that this will be the red rose for the multitude. Ready for distribution April 1, 1904.

PRICES

From 2 1-2-inch Pots. Own Roots.		Grafted Plants from 2 1-2-inch Pots.	
\$ 6.00.....	Per Dozen	\$ 7.00.....	Per Dozen
10.00.....	Per 25	12.00.....	Per 25
15.00.....	Per 50	18.00.....	Per 50
25 10.....	Per 100	32.00.....	Per 100
57.50.....	Per 250	72.50.....	Per 250
110.00.....	Per 500	140.00.....	Per 500
200.00.....	Per 1000	260.00.....	Per 1000

—EXTRA STRONG 3-INCH STOCK AT \$4.00 PER 100 ADDITIONAL TO ABOVE FIGURES.—

Our attention was called to the Rose Gen. MacArthur, three years ago, by the originator, who then had only the one plant. We liked its looks very much, and last year secured 25 plants from The Storrs & Harrison Co. for trial. We cut fine flowers from them all winter, and made 600 cuttings which we are growing this winter. We commenced cutting good flowers from them in November and have done so continuously ever since, it being distinctly a winter rose. At this date the bench is a fine sight. The plants are from two to three feet high, and are sending out flowering shoots which are most all one to two feet in length, although quite a number are three feet or more. It has the most beautiful large lustrous foliage, and most abundant of any rose we have ever seen. The flower is a brilliant red, and has a very fine odor. We find it the best Red Rose we have ever grown. While not as fine a flower as Liberty, with us it is much healthier and so much freer flowering that we prefer it. We have it growing in the same house as Bridesmaid.

Yours truly,
HELLER BROS.

The STORRS & HARRISON CO.
PAINESVILLE, OHIO.

JOHN N. MAY,
SUMMIT, N. J.

FOR EASTER

We offer a choice and Complete Stock of all Seasonable Cut Flowers, including all Specialties and Novelties.

Give us your order at an early date and we will do the rest.

THE BENTHEY-COATSWORTH CO.

35 Randolph Street, Chicago.

Lilies On Time

OUR LONGIFLORUMS

are all right and we can ship for Easter or earlier, the same high grade that we have supplied to our customers for the past five years In pots of various sizes and with number of buds to suit. Prices the same in pots or cut. Careful packing. Send orders now. The goods may cost you more if you wait until the last moment. Also a splendid supply of the most desirable EASTER AZALEAS, LILY OF THE VALLEY, in pans, etc.

CUT FLOWERS

in full assortment of the customary EASTER SPECIALTIES. Spring Plant Auction Sales will begin early in April.

N. F. McCARTHY & CO. 84 Hawley Street, BOSTON, MASS.

Wholesale Cut Flower, Plant and Supply Dealers. Horticultural Auctioneers.

Rose Plants

STRONG STOCK
From 2 1/2-inch Pots

Uncle John.....	Per 100	Per 1000
Mme. Chatenay.....	6.00	50.00
Sunrise.....	5.00	40.00
AMERICAN BEAUTY	6.00	50.00
Liberty.....	6.00	50.00
Bridesmaid.....	3.00	25.00
Bride.....	3.00	25.00
Golden Gate.....	3.00	25.00

Rose Cuttings

WELL ROOTED, HEALTHY STOCK

American Beauty.....	Per 100	Per 1000
Bridesmaid.....	1.50	12.50
Bride.....	1.50	12.50
Golden Gate.....	1.50	12.50
Sunrise.....	3.50	30.00

CARNATION CUTTINGS, *Well Rooted, Now Ready*

WHITE		RED		PINK				
Per 100	Per 1000	Per 100	Per 1000	Per 100	Per 1000			
Lady Bountiful.....	\$12.00	\$100.00	Crusader.....	\$10.00	\$80.00	Indianapolis.....	\$12.00	\$100.00
The Belle.....	12.00	100.00	Flaming.....	12.00	100.00	Enchantress.....	6.00	50.00
Reliance.....	10.00	80.00	Estelle.....	2.50	20.00	Pres. McKinley.....	4.50	40.00
Her Majesty.....	5.00	45.00	America.....	2.00	15.00	Mrs. Lawson.....	2.00	15.00
Boston Market.....	4.00	35.00	Harlowarden.....	3.00	25.00	Mrs. Higinbotham....	2.00	15.00
VARIEGATED								
Prosperity.....	Per 100	Per 1000						
Marshall Field.....	\$ 2.50	\$20.00						
Mrs. Bradt.....	6.00	50.00						
	2.50	20.00						

We also have the standard varieties in all colors, including **RICHMOND GEM**. Write us for price list on varieties not listed here. Special discounts on large lots.

The Benthley-Coatsworth Co.
35 RANDOLPH STREET, CHICAGO.

LILIES

Our stock of cut

Harrisii and Longiflorum

for Easter sales has been the STANDARD because we have handled not only quantity but quality. We will furnish the trade with the same grade this season, only order early.

\$15.00 per 100
\$125.00 per 1,000

THE VERY BEST GRADE

We will have unlimited supply of all other BULBOUS stock, and sufficient to meet all early demands of

BEAUTIES, BRIDES, MAIDS,
GATES, LIBERTIES, METEORS,
FANCY CARNATIONS,
SELECT CARNATIONS,
VIOLETS, VALLEY, LILAC, MIGNONETTE

and all Green Stock. Wild Smilax of the best quality, Asparagus Strings and Smilax. COMMON FERNS, the very best found in the west.

Price list issued March 19th. Don't fail to ask for it if you are not on our REGULAR list.

E. H. HUNT,

76-78 Wabash Ave.,

CHICAGO



SUPPLIES

We are recognized as headquarters for new ideas in Floral Supplies, and for clean first grade standard goods. A large fresh importation of the most desirable

Easter and Spring Baskets

are here for your wants and inspection. In FLORAL RIBBONS we are unsurpassed for quality and variety.

Something New

is our PLANT RIBBON matching all stock and adds 100 per cent to the attractiveness of your plants when offered for sale. Our

Birch Bark Ware

is exclusive in design and workmanship. Our POT COVER PAPERS are correct in shade and quality with prices low.

Don't fail to send in your orders.



4 to 6 Flowers on Stem

EASTER LILIES, from the most careful growers around New York City. Can fill all orders for them if given a reasonable time ahead.

C. W. WARD'S prize winning **CARNATIONS**. Where can their equal be found?

ROSES of the same high grade from noted growers. **VIOLETS** in unlimited quantity and best quality.

CHOICE ORCHIDS, GARDENIAS and fancy specialties for fastidious trade.

LILY OF THE VALLEY, Daffodils, Tulips, Jonquils and all Bulbous Stock in Season.

ORDER BOOKS OPEN.

JOHN YOUNG, 51 West 28th St. New York City

STILL DOING BUSINESS AT THE OLD STAND.

JOHN BURTON, Assignee for

Robt. Craig & Son **Our Easter Stock**

Is this year larger and in as fine condition as we ever had it.

Write for Price List at once.

REMEMBER YOU WILL BE ORDERING CRAIG STOCK.

It will pay you to come and look our stock over. Customers can depend on our usual great care in packing and shipping.

Market and 59th Sts., PHILADELPHIA, PA.

JOHN BURTON, Assignee.

Easter Cut Flowers

We Have Never Before Been in Such a Favorable Position to Take Care of

YOUR EASTER ORDERS.

Having just completed a careful canvass through the greenhouses of the majority of our **40 GROWERS** we are much pleased to be able to say that indications are we shall be able to supply extra qualities of

ALL EASTER FLOWERS

Especially **LILIES** and **GENERAL BULBOUS STOCK.**

It will be much to your advantage, however, to place your list of wants with us at once. We will guarantee rates named below and give you the benefit of market quotations if they are lower at time of shipment.

You Have Everything to Gain and Nothing to Lose by Placing Your Easter Orders now. We Protect Your Interests.

Specialties

— IN —

Blooming Plants

- Azaleas,
- Lily Plants,
- Spiraea,
- Lilac,
- Hyacinths,
- Tulips,
- Lily of the Valley,
- Daffodils,
- Roses
- Beauties,
- Crimson Rambler,
- Teas and Hybrids
- and a great variety of
- Micellaneous
- Blooming and
- Decorative Plants

Prices quoted on application. Send us a list of your wants.

Easter Price List

Takes Effect Monday, March 28, 1904.

	Per Doz.	Per 100
AMERICAN BEAUTY, 30 to 40 inches.....	\$5.00 to \$6.00	
.. 24 inches.....	4.00	
.. 10 inches.....	3.00	
.. 15 inches.....	2.00	
.. 12 inches.....	1.50	
.. 8 inches.....	1.00	
.. Short.....	.75	
BRIDE, MAID, METEOR, BATE, PERLE, Special A1 Stock.....	\$9.00 to \$10.00	
.. Select.....	6.00 to 8.00	
.. Good Average.....	5.00 to 6.00	
.. Fancy.....	6.00 to 8.00	
.. Medium.....	4.00 to 5.00	
.. Our Selection.....	5.00	
ROSES, LIBERTY.....	10.00 to 15.00	
CARNATIONS, Extra Fancy.....	5.00 to 6.00	
.. Good Average.....	3.00 to 4.00	
EASTER LILIES, Select.....	12.50 to 15.00	
CALLAS.....	12.00 to 15.00	
LILAC, Purple and White, per doz. 1.00 to 1.50		
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, 40c to 50c.....	3.00 to 4.00	
.. Sprays.....	4.00 to 6.00	
.. Sprenger.....	.30	
COMMON FERNS, per 1000, 3.50 to 4.00.....		
GALAX.....	1.00 to 1.25	
SMILAX, Extra Heavy.....	20.00 to 25.00	
LEUCOTHOE.....	1.00	
AOIANTUM.....	1.00 to 1.50	
SINGLE JONQUILS.....	.50 to 1.00	
FORGET-ME-NOTS.....	1.50	
PANSIES.....	1.00	
VIOLETS, Single.....	.75	
.. Double.....	.75 to 1.00	
SWEET PEAS.....	1.00 to 1.50	
WILD SMILAX, No. 1 Case, 25 lbs.....	3.25	
.. No. 3 Case, 50 lbs.....	6.00	

STAPLES

— IN —

Supplies

- Doves,
- Baskets,
- Pot Covers,
- Plant Stands,
- Jardinieres,
- Crepe Papers,
- Ribbons,
- Silk Cords,
- Chiffon,
- Tin Foils,
- Wired Picks,
- Wire Designs,
- Moss,
- Flower Vases,
- and great numbers
- of newer novelties.

Send for complete Price List on all Supplies.

E. F. Winterson Co.

45-47-49 Wabash Avenue, CHICAGO.

E. F. WINTERSON,
JOHN P. DEGNAN,
L. H. WINTERSON.



LATANIA BORBONICA.

Palms

We are **AND** Offering **Exceptional** Easter Values. **Ferns**

ORDER YOUR DECORATIVE STOCK FOR EASTER FROM THE FOLLOWING PRICE LIST.

CONFIDENCE is that which induces you to send us your order. We try to keep the confidence of our patrons by sending out such stock that we feel will give satisfaction. As our growing capacity has been doubled by the addition of our new establishment at Edgebrook, Ill., we are in a better position than ever to send out good stock. If we do not already enjoy your patronage we hope to be favored with a trial order.

PRICE LIST.

Variety.	Size pot.	Height inches.	No. leaves.	Price	
				Each.	Doz. 100
Latania Borbonica	5-in.	14-16	4-6	\$5.00	\$37.50
"	6-in.	16-18	5-6	7.00	50.00
"	7-in.	16-20	7-8	8.00	12.00
Kentia Belmoreana	3 in.	10-12	4-6	2.00	15.00
"	4-in.	15-17	5-6	4.00	30.00
"	5 in.	18-20	5-6	7.50	60.00
"	6-in.	22-24	6	1.00	.....
"	6-in.	24-27	6-7	1.25	.....
"	strong.	20-24	6-7	1.50	.....
"	7-in.	26-30	6-8	2.50	.....
Kentia Forsteriana	4 in.	20-22	4-5	4.00	30.00
"	5-in.	24-27	4-5	7.50	60.00
"	6-in.	26-30	5	1.00	.....
"	6-in.	26-30, str ong	1.25	15.00	.....
"	made up.	26-30	1.50	.....	.....
"	10-in.	56-62	6.00	.....	.....
Areca Lutescens	4-in.	14-16	3 pls. in pot	3.00	.....
"	5-in.	20-26	3 pls. in pot	5.00	.....
"	6-in.	26-30	3 pls. in pot	9.00	.....
"	7-in.	32-35	3 pls. in pot	12.50	.....
"	8-in.	42-48	3 pls. in pot	30.00	.....
Phoenix Canariensis	12-in.	46-52	.....	5.00	.....
Asp. Plumosus	2-in.	.....	.....	.....	3.00
"	3-in.	.....	.....	.....	7.00
"	4-in.	.....	.....	.....	12.00
"	strong.	4-in.	3 plants in pot	2.00	15.00
"	5-in.	.....	3 plants in pot	3.00	22.00
"	6-in.	.....	.....	4.50	.....
"	strong.	6-in.	.....	6.00	.....
Asparagus Sprengeri	2-in.	.....	.....	.....	3.00
"	3-in.	.....	.....	.....	6.00
"	4-in.	.....	.....	.....	1.50
Neph. Bostoniensis	2-in.	.....	.....	.....	3.50
"	2 1/4 in.	.....	.....	.....	4.50
"	3-in.	.....	.....	.....	8.00
"	4-in.	.....	.....	.....	2.00
"	5-in.	.....	.....	.....	3.00
"	6-in.	.....	.....	.....	6.00
"	7-in.	.....	.....	.....	9.00
"	8-in.	.....	.....	.....	12.00
"	10-in.	.....	.....	.....	1.50
Ficus Elastica	4-in.	10-12	.....	.....	3.00
"	5-in.	14-18	.....	.....	6.00
Pandanus Urtica	5-in.	10-14	.....	.....	5.00
Cocos Weddelliana	3-in.	10-12	4-5	.....	2.50
Sansaviera Jav. Var.	5-in.	.....	.....	.....	3.00
Poa Trivialis Var.	3 in.	.....	.....	.....	6.00
Neprolepis Piersoni	2-in.	.....	.....	.....	10.00
"	6-in.	.....	.....	.....	1.25
"	5-in.	from bench	.....	.....	3.00
"	7-in.	.....	.....	.....	1.50
Anna Foster Ferns	10-in.	.....	.....	.....	2.50
Anna Foster Baskets	10-in.	.....	.....	.....	1.25
Sitobium (Cyc.)	8 in.	.....	.....	.....	1.00
Cibotium Schiedei	6-in.	.....	.....	.....	2.00
Alsophila Australis	7-in.	.....	.....	.....	1.50
"	8-in.	.....	.....	.....	2.50
"	10-in.	.....	.....	.....	3.50
Cyrtomium Falcatum	4-in.	.....	.....	.....	1.50
"	5-in.	.....	.....	.....	2.00
"	7-in.	.....	.....	.....	6.00
Aspidium Ten.	4-in.	.....	.....	.....	1.50
"	5-in.	.....	.....	.....	12.00
"	5-in.	.....	.....	.....	2.00
Adiantum Cuneatum	3-in.	1.00
Ferns for dishes	good assortment	3.00
English Ivies	4-in.	1.50



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Our Favorable Shipping Location will save you **MONEY** In Freight and Express Rates, and Time in Transit.

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Send for Our Complete Price List.

EASTER ORDERS Filled Promptly.

OUR STOCK IS OUR BEST RECOMMENDATION.

Give Us Your Order.

WE ARE UNUSUALLY STRONG ON **Asparagus** — IN ALL SIZES. —

LATANIAS In 5, 6 and 7-inch sizes.

KENTIAS In 5-inch.



ASPARAGUS PLUMOSUS NANUS.

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The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wideawake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50

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GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

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FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated; 250 pages. \$1.00.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful practical florist. Illustrated. \$2.00.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with a classification of all the leading varieties. \$1.25.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. Price 25 cents.

AMERICAN FLORIST CO.,

324 Dearborn Street,

CHICAGO.

Rooted Carnation Cuttings.

	100	1000	5000
PINK.			
Mrs. Lawson.....	\$1.25	\$12.00	\$50.00
Mrs. Nelson.....	2.00	18.00	80.00
Guardian Angel.....	1.00	8.00	35.00
Dorothy.....	1.50	12.50	50.00
McKinley.....	2.00	18.00	80.00
Ethel Crocker.....	1.25	10.00	40.00
Mrs. Joost.....	1.00	8.00	35.00
WHITE.			
Flora Hill.....	1.00	8.00	35.00
White Cloud.....	1.25	10.00	40.00
Queen Louise.....	1.25	12.00	
Norway.....	1.25	10.00	40.00
LIGHT PINK.			
Higinbotham.....	2.00	18.00	80.00
Prosperity.....	2.00	18.00	80.00

	100	1000	5000
RED.			
G. H. Crane.....	\$2.00	\$18.00	\$80.00
America.....	2.00	18.00	80.00
Palmer.....	2.00	18.00	80.00
Estelle.....	2.50	20.00	
Harlowarden.....	3.00	25.00	

ROOTED ROSE CUTTINGS.			
	100	1000	
Bridesmaid.....	\$1.50	\$12.50	
Bride.....	1.50	12.50	
Golden Gate.....	1.50	12.50	
Ivory.....	1.50	12.50	

2-INCH ROSE PLANTS.			
	Per 100	1000	
Bridesmaid.....	\$3.00	\$25.00	
Bride.....	3.00	25.00	
Perle.....	3.00	25.00	
Golden Gate.....	2.50	20.00	
Ivory.....	2.50	20.00	

It stock not satisfactory will refill or refund money. Cuttings have never been so good as this season.

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GRAFTED ROSES On Dickson's Irish Manetti Stock

Plants from 2½ inch pots, \$12.00 per 100; \$100 per 1000.

KAISERINS—(Now ready.) **BRIDES** and **BRIDESMAIDS**. Order now as stock is limited.

AMERICAN BEAUTY ROSES, own root, strong plants from 2½ inch pots, now ready. \$6.00 per 100; \$50 per 1000.

GARDENIAS. Strong plants from 2½ inch pots for growing on for winter blooming. \$6.00 per 100.

ROBERT SCOTT & SON, SHARON HILL, Del. Co., PA.

ROOTED CUTTINGS.

Rex Begonia, \$1.50. English Ivy, 75c. German Ivy, 60c. Lobelia, 70c. Coleus, 10 var., 75c. Vinca Var. Maj., 60c per 100 prepaid. Coleus, German Ivy, English Ivy, Lobelia, Nasturtium, double yellow, from 2-inch, 2c. Polystichum Angulare, 2-inch, 3c. Rex Beg., 2-inch, 3c; 4-inch, 10c. Vinca Var., 2-inch, 2c; 4-inch, 7c. Caladium bulbs, 6 to 7-inch, 25c per doz.; \$2.00 per 100; 7 to 9-inch, 50c per doz., \$4.00 per 100. Cannas, dormant, 6 var., \$1.25 per 100; \$10.00 per 100 l. Cash or C. O. D.

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

CARNATIONS.

	Per 100	Per 1000
ENCHANTRESS.....	\$6.00	\$50.00
FAIRMAID.....	3.00	20.00
GOV. WOLCOTT.....	3.00	20.00
BOSTON.....	4.00	30.00
MRS. T. W. LAWSON.....	3.00	20.00

HENRY A. STEVENS CO., Dedham, Mass.

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FOR 1904

Hundreds of New Names

and Addresses.

AND contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies, Horticultural Supply Concerns of the United States and Canada, Leading Foreign Houses and much other valuable trade information. Price \$2 postpaid.

AMERICAN FLORIST CO.

324 DEARBORN STREET, CHICAGO, ILL.

CARNATIONS

Cottage Gardens Winners at the Detroit Exhibition

Now Ready at \$12.00 per 100; \$100.00 per 1000.

Ethel Ward:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

Judge Hinsdale:

1st Prize, Class A. Best Variegated. Grand 3½ in. flower on 30 in. stem. Beats all other variegated sorts.

The President:

1st Prize, Class A. Best Crimson. Grand 3 in. bloom on 24 to 28 in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimsons. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

THE COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager.

Queens, L. I.

ROSES.

Get your order in early for roses and we will ship when wanted. We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2x2½	2½x3	3x3
		1n.	1n.	1n.	1n.
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Bride.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	La France.....	2.00	3.00	4.00	6.00
8	A. V. Kaiserin.....	2.00	3.00	4.00	6.00
9	Wootton.....	2.00	3.00	4.00	6.00
10	Belle Seibrecht.....	2.00	3.00	4.00	6.00
11	Pres. Carnot.....	2.00	3.00	4.00	6.00
12	American Beauty.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

GEO. A. KUHL, Pekin, Ill.

Always mention the American Florist when you order stock.

GREAT BARGAINS IN NURSERY STOCK

BEECH.

(Purple leaved.)	Per 100
Transplanted, 4-5 ft.	\$35.00
" 5-6 ft.	45.00
" 6-8 ft.	75.00
" 8-10 ft.	125.00
Purple Weeping Beech, rare, 6-8 ft., per 10,	\$15

JAPAN MAPLES.

(Imported.)	Per 10
Aureum, 18 in. to 2 ft.	\$ 4.00
" 2 to 3 ft.	6.50
Atropurpureum, 18 in. to 2 ft.	4.00
" 2 to 3 ft.	6.50
" 4 to 5 ft.	12.50
" Dissectum, 1½ to 2 ft.	4.00
Polymorphum, 2 to 3 ft.	3.50
" 3 to 4 ft.	5.00
Japan Maples, 6 to 8 ft., priced on application.	

BIRCH.

	Per 10
Young's, 4-5 ft.	\$ 6.00
" 5-6 ft.	7.00
" 6-8 ft.	10.00
White Cut-leaved Weeping, 5-6 ft.	6.50

MAPLES.

	Per 100
Schwedlerii, 6-8 ft.	\$37.50
" 9-10 ft.	50.00
" 10-12 ft., transplanted.	120.00
Reitenbachii, same sizes and prices as above.	

100,000 AMPELOPSIS VEITCHI.

	Per 100	Per 1000
2 years, No. 1, field-grown	\$ 6.00	\$55.00
3 years, X, field-grown	8.00	75.00
4 years, XX heavy, field-grown	10.00	90.00

HYDRANGEA P. G.

	Per 100
Hydrangea P. G., 3-4 ft., XX fine	\$12.00
" " 3-4 ft., X fine	10.00
" " 2-3 ft., fine	7.00
" " 18 in. to 2 ft., strong	6.00

GOLDEN ELDSERS.

2-3 ft.	per 100,	\$6.00
3-4 ft.	"	8.00
4-5 ft.	"	9.00

SPIREAS.

Anthony Waterer	per 100,	\$7.00
Bumalda, 18-24 in.	"	6.00
Reevesii, 2-3 ft.	"	7.00

(For other varieties see Wholesale List.)

VIBURNUMS.

	Per 100
Viburnum Plicatum, 10-12 in.	\$ 5.00
" 18-24 in.	8.00
" 2-2½ ft., bushy	10.00
" 2½-3 ft.	12.00
" 3-4 ft.	15.00
Lantana, 7-8 ft., each, 75c.	
Magna Charta, 2 yr. old, own roots	8.00

200,000 BOXWOOD.
See page 10 in wholesale list.

WEIGELAS.

	Per 100
Eva Rathke, 2-3 ft.	\$12.00
" 3-4 ft.	20.00
Twelve other varieties of Weigelas, 2-3 ft. up to 5-6 ft. See Wholesale List.	

HONEYSUCKLES.

Halleana, X strong, field-grown	\$ 6.00
Brachypoda aurea, 2 yrs. fine	4.00
Evergreen (Chinese), small plants	2.00

150,000 ROSES.

Hybrid Perpetuals	\$10.00
" 2 inch pots	3.50
Empress of China, field-grown	6.00
Yellow Ramblers, XX	8.00
Rosa Rugosa, white and red, X	12.00
Standard Roses	30.00
Special prices on 2-in. pot roses in quantity.	
300,000 Herbaceous Plants in over 100 varieties. See wholesale list.	
50 varieties of Tree Paeonias, X strong,	\$5.00 per 10.

ALTHEAS.

2-3 ft.	per 100,	\$ 6.50
3-4 ft.	"	7.50
10 named varieties 4-5 ft.	"	10.00

35,000 Azalea Amoena.
All sizes and prices.

	Per 100
Caryopteris Mastacanthus, field-grown	\$ 7.00
Cornus Elegantissima Variegata, 2-3 ft.	12.00
" 3-4 ft.	15.00
" Spathii, 2-3 ft.	15.00
" 3-4 ft.	25.00
Hypericum Densifolium, one of the hardiest and best	10.00

150,000 CLEMATIS PANICULATA.

	Per 100
2 in. pot plants, per 1000,	\$20.00
2 year No. 1	\$ 6.00
3 year XX	8.00
XXX	10.00
Magna Charta, 2 yrs., No. 1, own roots	8.00

HARDY PHLOX.

Field grown, very fine	per 100,	\$6.00
150,000 in 2-inch pots	"	3.00
150,000 in 2-inch pots	per 1,000	25.00
Special prices on large quantities.		

OUR WHOLESALE LIST.
You will miss it if you do not read it.
Send for it.

CANNAS AND GERANIUMS.—See wholesale list for varieties and prices. Address

5% Elizabeth Nursery Co. Elizabeth, N. J. 5% rebate allowed on all orders sent us, mentioning this paper and having this coupon attached

THE ELIZABETH NURSERY COMPANY, ELIZABETH, N. J.

Please mention the American Florist when writing.

CARNATIONS

NOW READY. A FINE LOT OF HIGH GRADE CUTTINGS.

	Per 100	Per 1000
Enchiridness	\$6.00	\$50.00
Lillian Pond	5.00	40.00
The Queen	5.00	40.00

Larchmont Nurseries,
Larchmont, N. Y.

Mrs. Fisher Carnations

For Summer Blooms, 2-inch stock, \$2.50 per 100; \$20.00 per 1000.

Fancy 3-inch Sprengerl, worth \$5.00, to close out at \$3.50. Write.

GEO. A. KUHL, Pekin, Ill.

VESPER

Finest white Carnation on Market this year; flowers 3 in. to 3½ in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

	Per 100	Per 1000		Per 100	Per 1000
Adonis	\$7.00	\$30.00	Lawson	\$2.50	\$20.00
Enchiridness	6.00		Queen Louise	2.50	20.00
McKinley	4.00	30.00	Mrs. Bradt	2.50	20.00
Estelle	4.00	30.00	Flora Hill	2.00	15.00
Nelson	3.50	30.00	Mrs. Joost	1.50	12.50

—CASH. NO C. O. D.—

Wm. C. SMITH, 61st & Market Sts., Philadelphia, Pa.

ROOTED CARNATION. 'MUM and ROSE CUTTINGS

	100	1000		100	1000
Gov. Wolcott, fine stock	\$2.50	\$20.00	Bradt, Mrs. George	\$2.50	\$20.00
Lillian Pond, white	2.50	20.00	Palmer	2.20	16.00
Prosperity	2.00	16.00	Flora Hill	1.50	10.00
Gov. Roosevelt	2.50	20.00	Enchantress	5.00	45.00
Higinbotham	2.50	20.00	Lawson	2.00	15.00
Lorna	2.50	20.00			

We are booking orders for 2½-in. Maud, Bride, Gate, Ivory, Perle, and Chatsney, May 1 delivery. Stock guaranteed to please. **POEHLMANN BROS. COMPANY, Morton Grove, Ill.**

SAVE THIS PAGE FOR FUTURE REFERENCE

"FIANCEE"

The Wonder, Goes One More.

Wins Canadian Challenge Cup

At Toronto, Last Week.

Here are a few of the achievements of this wonderful Carnation, at Chicago's Horticulture Society's Fall Show, 1902. Awards:

- Judged as the finest Carnation in the world.
- 1st Prize for best Pink Carnation.
- 1st Prize for best Carnation, any color.
- 1st Prize. Society's Silver Cup.
- 1st Prize. Society American Florists Medal.
- Certificate of Merit.

At Chicago Florists' Club various exhibitions: Awarded several cash prizes and Certificate of Merit.

At Joliet Improvement Society's Fall Show, 1903. Awards:

- 1st Prize, GOLD MEDAL, for best Carnation, any color.
- 1st Prize, Silver Medal, best Pink Carnation.
- 1st Prize, Foley Cup, best new Plant or Flower.

At Detroit, American Carnation Society's Annual Exhibition, March 2 to 5, 1904. Awards:

- LAWSON GOLD MEDAL for best 100 Carnations any color.

At Toronto, Canada, Mar. 11, 1904. Awards: Canadian Challenge Cup, for vase of best Carnations.

"FIANCEE"

Has certainly proved it is as first judged,

The Finest Carnation in the World.

We are now booking orders for delivery beginning Jan. 1st, 1905. Shall have an immense quantity of plants to propagate from, and as it is a healthy and vigorous variety and wonderfully easy to root, we can fill all orders. Now is the time to place your orders for early delivery, at the following prices: \$12.00 per 100; \$100 per 1,000; 2,500 at \$95.00 per 1,000; 5,000 at \$90.00 per 1,000; 10,000 at \$80.00 per 1,000.

Get Healthy, Well Rooted Cuttings from us now, of the

FOLLOWING VARIETIES:

	Per 100	1000		Per 100	1000
CRUSADER, scarlet	\$10.00	\$80.00	ESTELLE, scarlet	\$3.00	\$25.00
FLAMINGO, scarlet	12.00	100.00	MRS. HIGINBOTHAM, light pink	4.00	30.00
WHITE LAWSON, pure white	12.00	100.00	BOSTON MARKET, white	3.50	27.50
LADY BOUNTIFUL, white	12.00	100.00	MARSHALL FIELD, variegated	5.00	40.00
THE BELLE, white	12.00	100.00	ENCHANTRESS, light pink	5.50	50.00
MOONLIGHT, white	10.00	75.00	HER MAJESTY, white	4.50	40.00
INDIANAPOLIS, pink	12.00	100.00	PRES. MCKINLEY, dark pink	4.50	40.00
VESPER, white	10.00	75.00	GOV. WOLCOTT, white	4.00	30.00
HARLOWARDEN, crimson	4.50	40.00	MRS. LAWSON, dark pink	2.00	17.50
LILLIAN POND, white	4.50	40.00	PROSPERITY	2.00	16.00
DOROTHY WHITNEY, yellow	4.50	40.00	FAIRMAID	3.50	27.50

Chicago Carnation Co.,

JAS. HARTSHORNE, Mgr.

Joliet, Ill.

Syracuse, N. Y.

All the Syracuse florists, including Henry Morris, P. R. Quinlan & Company, Henry Burt, L. E. Marquisee, Bannister Brothers, Peter Kay and the smaller stores, are making great preparations for Easter displays anticipating that the trade will offset the dullness of the winter months. The trade has been better the last two weeks than at any time since the holidays and with the approach of warmer weather better stock and better demand are looked for. Already there are a number of fine window displays as a forerunner of what may be expected in two weeks.

Miss Adah Boddy, the little negro girl who attempted suicide a few weeks ago after the Syracuse Lighting Company had shut off the electric lights because she could not pay her bill, has closed her flower store in the Empire block in West Genesee street. She had been with Henry Burt for eleven years so had many friends and enjoyed a good trade in the holidays but the dull period of the last few weeks exhausted her small capital. Frederick H. Ebeling, dealer in seeds and bulbs, has taken judgment against her in the Municipal court for \$26.74.

One of James P. Boyle's climbing rose bushes is in blossom at his greenhouse at Lyon, N. Y. The rose is the Lamarque and while the bush is comparatively young it has nearly 150 buds and blossoms. Mr. Boyle also has an older bush of the Marechal Niel variety loaded with hundreds of buds which he expects will be in bloom about Easter. A. V. B.

Columbus, O.

Sherman F. Stephens is working hard to organize the Florists' Club of Columbus, and has called on a number of growers and employes. All are in favor of the club. There could not have been a more suitable person selected to organize the club than Mr. Stevens. He expects to call the first meeting directly after Easter, when it is hoped every florist in Columbus will be present.

Indications are that lilies will be scarce for Easter. Dutch stock will be plentiful. John R. Henthall, who is generally to the front with a fine lot of Ramblers and lilies, is not quite so fortunate this spring, although not left in the shade by a long way. S. F. Stevens has a promising lot of lilies.

The Livingston Seed Company has fine Ramblers and cinerarias just right for Easter. They are also well supplied with pans of well grown Dutch bulbs. There are some good lilies, but Mr. Ludwig said the per cent of bulbs lost took all the profit.

The Fifth Avenue Floral Company is planting several houses to summer blooming roses. This firm has been fortunate with violets, the plants which bore an unusual crop all winter being still in a very promising condition.

At the Franklin Park Floral Company there is a fine lot of Queen Louise, Estelle and Lawson carnations, which have been prolific since early in the season, and are still a sea of bloom. CARL.



Indianapolis

The best bright pink carnation in sight. Come and see it growing. Awarded Certificate of Merit Indiana State Florists' Ass'n, Jan. 12, 1903. Scored 85 points Chicago, Nov. 18, 1903. Certificate of Merit, Cincinnati Florists' Club, Jan. 9, 1904. Certificate of Merit, Indiana State Florists' Ass'n., January 12, 1904. What more could you ask? \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

A FINE LOT OF STANDARD SORTS.

Per 100		1000		Per 100		1000	
McKinley	\$3.00			Floriana	2.00	18.00	
Harlowarden	5.00			Q. Louise	2.00	18.00	
Her Majesty	5.00			E. Crocker	1.50	12.50	
Flora Hill	1.50	\$12.50		Lawson	2.00	18.00	
Crane	2.50	20.00		G. Roosevelt	2.00		
Estelle	3.00	25.00		F. Palmer	3.00		
W. Cloud	1.50	12.50		E. A. Nelson	3.00		
Lorna	2.00	18.00		Apollo	3.00		
Viola Allen	3.00	25.00					

BAUR & SMITH,
330 W. 38th-St., Indianapolis, Ind.

Please mention the American Florist when writing.

STRONGLY ROOTED CARNATIONS NOW READY.

GROWN OUT OF DOORS AND ROOTED WITHOUT HEAT.

WHITE.			SCARLET.		
	Per 100	1000		Per 100	1000
Queen Louise	\$1.20	\$10.00	J. H. Manley	\$3.50	\$30.00
Flora Hill	1.20	10.00	B. H. Crane	1.20	10.00
Alba	2.50	25.00	America	1.20	10.00
Gov. Wolcott	3.40	30.00	Mrs. Palmer	1.20	10.00
Norway	1.00	9.00	Apollo	3.50	30.00
Lillian Pond	5.00	45.00	Adonia	7.00	65.00
Chicot	1.00	9.00	CRIMSON.		
Viola Allen	2.50	20.00	Harlowarden	5.00	45.00
PINK.			Gov. Roosevelt	1.50	11.00
Mrs. T. W. Lawson	1.40	12.50	YELLOW.		
Mrs. Joost	1.00	10.00	Eldorado	1.00	9.00
Mermald	1.20	10.00	VARIEGATED.		
Mrs. Roosevelt	6.00	55.00	Marshall Field	3.00	25.00
Success	2.50	20.00	Stella	3.00	25.00
President McKinley	3.00	25.00	Armazindy	.90	8.00
Crossbrook	2.50	20.00	Prosperity	1.40	12.00
			Gaiety	2.00	18.00

25 of any one kind at 100 prices. 250 at 100 prices.

We prepay express charges and will ship C. O. D. with the privilege of examination, we assuming all the responsibility of Cuttings arriving in good condition and proving satisfactory.

Loomis Floral Co., LOOMIS, CAL.

Please mention the American Florist when writing

CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL	\$3.50	\$30.00	PERU	3.00	25.00
THE SPORT	2.50	20.00	WHITE CLOUD	2.50	20.00
MRS. LAWSON	3.00	25.00	AMERICA	2.50	20.00
MRS. HIGINBOTHAM	3.00	25.00			

ROSE CUTTINGS.

BRIDE	\$12.50	per 1000	IVORY	\$12.50	per 1000
BRIDESMAID	12.50	"	GOLDEN GATE	12.50	"

Lots of 500 at 1000 rate.

SINNER BROTHERS,
Wholesale Cut Flowers,
58-60 Wabash Avenue, CHICAGO.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 8th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2682 Park Ave. David S. Beach, Prop.

EASTER LILIES, extra fine,

WILL HAVE A LARGE SUPPLY.

FINE BEAUTIES.

SELECT ROSES, A No. 1.

CHOICE CARNATIONS, All the Standard Sorts.

ALL BULB STOCK.

VIOLETS, VALLEY.

ASPARAGUS.

ADIANTUM.

SMILAX.

FERNS.



J. A. BUDLONG
 WHOLESALE GROWER AND SHIPPER OF CUT FLOWERS,
 37-39 Randolph St. **CHICAGO.**

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. and D." on orders of \$3.00 or over.

Store open from 7:30 a. m. to 6:00 p. m. Sundays and holidays to 12:00 m.

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....	.75
12 Plants, each.....	.60
25 Plants, each.....	.50
50 Plants and over and less than 100, each.....	.30

100 Plants and over and less than 1,000, each.....	.25
1,000 Plants and over, each.....	.20
3-inch pot plants, 5c each additional.	

PRICES OF DRAFTED STOCK GIVEN ON APPLICATION.

JOHN BREITMEYER'S SONS,

Gratiot and Miami Aves., DETROIT, MICH.

SELLING AGENTS:
 ERNST ASMUS & SON,
 A. ROLKER & SONS,

MICHIGAN CUT FLOWER EXCHANGE,
 VAUGHAN'S SEED STORE,
 S. S. SKIDELSKY,

J. AUSTIN SHAW,
 CLUCAS & BODDINGTON CO.

Cincinnati.

Theodore Bock, of Hamilton, O., the judge of our monthly exhibitions, had his hands full last Saturday at the carnation exhibit. It is not exaggerating to say the show was the best exhibit of carnations ever seen in the club rooms. The E. G. Hill Company, of Richmond, Ind., the Chicago Carnation Company, of Joliet, Ill., the J. D. Thompson Carnation Company, of Joliet; W. Kunzman, of Louisville; Baur & Smith, of Indianapolis; H. Weber & Sons, of Oakland, Md., were the out-of-town exhibitors, and Richard Witterstaetter, W. K. Partridge, William Rodgers and C. C. Murphy were the local exhibitors. The latter may be proud of the showing made. Everybody seemed to be interested in the Cardinal, which again carried off the highest honors. William Murphy informs me he has already booked orders for 30,000 rooted cuttings, a pretty good showing for owning a variety about ten days. The E. G. Hill Company showed Adonis particularly well done, but the arrangement of the vase was anything but artistic, therefore this firm had to take second money. Their Gov. Lowndes were also very good, and the same may be said of Lawson, Crocker and McKinley. Richard Witterstaetter showed a fine lot of seedlings, and his 1000 A in my estimation is a coming pink. Vernon Graves, of Richmond, Ind., brought down a nice bunch of seedlings, which looked to have several good ones in the lot. C. C. Murphy had a red which might find a place among the commercial varieties. Baur & Smith showed Indianapolis and carried off second money, Witterstaetter's Enquirer beating it out. Judge Bock awarded the prizes as follows:

- White—W. K. Partridge first, R. Witterstaetter second, Chicago Carnation Company third.
- Pink—R. Witterstaetter first, Baur & Smith second, Chicago Carnation Company third.
- Red—R. Witterstaetter first, E. G. Hill Company second, W. K. Partridge third.
- Crimson—Chicago Carnation Company first, W. K. Partridge second.
- Variigated—W. K. Partridge first, J. W. Rodgers second, J. D. Thompson Carnation Company third.
- Any other color—W. K. Partridge first.
- Twenty-five seedlings—R. Witterstaetter first and second, C. C. Murphy third.
- Best general display—R. Witterstaetter.

Trade remains very good and all kinds of flowers are moving well. Prices remain about the same as last report and the only scarcity is in green goods. Spring openings are using up considerable of the poorer grade of stock, and consequently the wholesale houses clean up stuff every night at closing time.

Visitors: Vernon Graves, E. G. Hill and R. Fulle, of Richmond, Ind., and D. B. Honaker, of Lexington, Ky. A. O.

OCEANIC, N. J.—The Monmouth County Horticultural Society met March 4. Geo. H. Hale showed Prince of Wales violets which scored 95 points. He had a dish of fine strawberries for which he received 100 points. H. A. Kettel showed fine tulips, narcissi and roses. N. Butterbach had some sweet peas, Christmas, which scored 90 points. Wm. Turner had narcissi and hyacinths and Geo. Kuhn fine celery. N. B.

Better Than the Others.

ED. AM. FLORIST:—Enclosed is \$1 for another year's subscription to the AMERICAN FLORIST. I have sent for sample copies of three different florist papers this winter but none is up to the AMERICAN FLORIST. C. W. SIBLEY. Athol, Mass.

CARNATIONS.

Rooted Cuttings.

New Daybreak very free light pink, \$12.00 per 100; \$100.00 per 1000.

	Per 100	Per 1000		Per 100	Per 1000
Governor Lowndes	\$6.00	\$50.00	Estelle	\$4.00	\$35.00
Enchantress	6.00	50.00	Mrs. Thos. W. Lawson	3.00	25.00
Harlowarden	6.00	50.00	Genevieve Lord	2.50	20.00
Adonis	8.00	70.00	Prosperity	3.00	25.00
Norway	2.50	20.00	Lorna	2.50	20.00
Mrs. E. A. Nelson	4.00	35.00	Fair Maid	3.00	25.00
Governor Wolcott	4.00	35.00			

Other new and Standard Varieties. Stock in fine condition, ready for immediate delivery. CHRYSANTHEMUMS, Best new and Standard Sorts. Write for list.

H. WEBER & SONS,

OAKLAND, MD.

THE NEW SCARLET CARNATION

AMAZE.

A profuse Christmas bloomer, strong grower, heavy stem, flower intense scarlet and remarkable keeping qualities. Rooted Cuttings ready February 1.

PRICE: \$10.00 per Hundred; \$75.00 per Thousand Cash.

ORDER FROM THE GREENHOUSES,

Jerome Suydam, FLATBUSH, BROOKLYN, N. Y.

OR FROM THE AGENTS,

SLINN & HUGHES, Coogan Building, NEW YORK CITY.

NEW WHITE CARNATION FOR 1904.

The Bride

This variety was the winner of the first prize for best 100 white at the Carnation Convention Show in Brooklyn last February and is unquestionably the best white in sight.

PRICE, \$2.50 per Dozen; \$12.00 per Hundred; \$100.00 per Thousand.

JOHN N. MAY, Summit, N. J.

Louise Naumann

If you are looking for a first-class commercial dark pink, one that would produce first-class blooms in abundance all the year around, buy the LOUISE NAUMANN. It is a bread and butter Carnation. There is nothing freer in sight. Strong Rooted Cuttings Ready Now. \$8.00 per 100; \$70.00 per 1000. [G. M. NAUMANN, 1537 Doan St., Cleveland, 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.

Meetings of Florists' Clubs.

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 third Tuesday of each month, October to March inclusive. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, 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.

BUTTE, MONT.—Montana Florists' Club, 45 W. Broadway. First Saturday in each month. D. E. Law, Sec'y.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. First and third 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. Murphy, Sec'y, S. F., Cincinnati, O.

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, Westpark, O.

DAVENPORT, IA.—Tri-City Florists' Club, Odd Fellows' Hall, Fifth and Brady streets. H. Meyer, Rock Island, Ill., Sec'y.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Sec'y.

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.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Sec'y, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Chas. M. Webster, Sec'y.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Tuesday of each month at 8 p. m. J. P. Coombs, Sec'y.

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 st. Indianapolis.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Redstone, Sec'y.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Tuesday of each month in Empire Building, West Water and Grand ave. H. V. Hunkel, Sec'y.

MINNEAPOLIS, MINN.—Minneapolis Florists' Club, West Hotel. First Thursday of each month, at 8 p. m. C. F. Rice, Sec'y, 125 N. Sixth street.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street. First and third Monday of each month. W. H. Horohln, Sec'y, 23 Closse street.

NEW BEDFORD, MASS.—New Bedford Florists' club, second Thursday of each month. Wm. P. Pierce, Sec'y.

NEW LONDON, CONN.—Gardeners' and Florists' Club, first and third Tuesday of each month at greenhouses of secretary. H. H. Appeldora, Sec'y.

NEW YORK, N. Y.—New York Florists' Club, Grand Opera House Bldg., 8th avenue and 23d St. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska Florists' Society, City Hall. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 3519 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.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at German Beneficial Bldg., 6th and Cherry avenue. Second Thursday of each month, at 8 p. m. H. P. Joslin, Sec'y, Ben Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Providence. Second Thursday of each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

RICHMOND, IND.—Richmond Florists' Club, at the greenhouses of members. Third Monday of each month. H. C. Chesaman, Sec'y.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Society, office of Huddart Floral Company, 214 E. Second South street. Second and fourth Friday of each month. P. T. Huddart, Sec'y.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday and third Monday of each month. Thos. H. Munroe, Sec'y.

SEATTLE, WASH.—Seattle Commercial Horticultural Club, First and Cherry streets. First Wednesday of each month. Wm. Hopkins, Sec'y, 622 First avenue.

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.

WASHINGTON, D. C.—Washington Florists' Club. Meets first Wednesday in each month. Wm. F. Gude, Sec'y.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Flamingo, March delivery.....	\$12.00	\$100.00	Mrs. M. A. Patten.....	\$12.00	\$100.00
Lady Bountiful.....	12.00	100.00	White Lawson, March delivery...	12.00	100.00
The Belle.....	12.00	100.00	Albatross, March delivery.....	10.00	80.00
Indianapolis.....	12.00	100.00	Crusader.....	10.00	80.00
Nelson Fisher, March delivery....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Enchantress.....	\$6.00	\$50.00	Harlowarden.....	\$6.00	\$50.00
Estelle.....	4.00	30.00	Lillian Pond.....	5.00	40.00
Fragrance.....	6.00	50.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Golden Beauty.....	5.00	40.00	Pres. McKinley.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	The Queen.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00	White Bradt.....	6.00	

STANDARD SORTS.

	Per 100	Per 1000		Per 100	Per 1000
America.....	\$1.75	\$15.00	Morning Glory.....	\$2.50	\$20.00
Cressbrook.....	4.00	30.00	Mrs. F. Joost.....	1.75	15.00
Enquirer.....	2.50	20.00	Mrs. H. N. Higinbotham.....	4.00	35.00
Ethel Crocker.....	1.75	15.00	Mrs. E. A. Nelson.....	4.00	35.00
Flora Hill.....	1.75	15.00	Mrs. Potter Palmer.....	3.00	25.00
Genevieve Lord.....	1.75	15.00	Mrs. Thos. W. Lawson.....	2.50	20.00
G. H. Crane.....	2.50	20.00	Norway.....	1.75	15.00
Gov. Roosevelt.....	3.50	30.00	Prosperity.....	2.50	20.00
Lorna.....	3.00	25.00	Queen Louise.....	1.75	15.00
Marquis.....	1.75	15.00	White Cloud.....	1.75	15.00

DORMANT CANNAS. Strong 2-3 eyed bulbs. TRUE STOCK.

	Per 100		Per 100
Allemania.....	\$3.00	Mme. Louis Druz.....	\$ 2.50
Burbank.....	2.00	Mlle. Berat.....	2.50
Black Beauty.....	7.00	Mme. Crozy.....	2.00
Chas. Henderson.....	2.00	Monsieur Jarry Desloges.....	3.00
Chicago.....	6.00	Mrs. Kate Gray.....	5.00
Duke of Marlborough.....	2.00	Mont Blanc.....	20.00
David Harum.....	6.00	Pennsylvania.....	5.00
Egandale.....	4.00	Red Indian.....	5.00
Leonard Vaughan.....	4.00	Secretaire Chabanne.....	2.00

The following sorts \$1.00 per 100:

Exp. Crampbell	L. Patry	Paul Marquant
Francois Reif	Mme. Alfred Blanc	Partenope
J. Aymard	Mme. Celestin Dubost	President Carnot

CHRYSANTHEMUM PLANTS 2 1/2-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow.	Omego, best early yellow.
Timothy Eaton, mammoth white.	John K. Shaw, early bright pink.
Major Bonnaffon, yellow.	Yellow Mrs. Jerome Jones, bright lemon yellow.
Mrs. Perrin, pink.	Ivory, early white.
May Foster, white, fine for pot plants.	Miss Agnes L. Dalskov, early pink.

CHOICE SORTS.

	Per 100
Estelle—Early white, good for cut flow-ers or pot plants.....	\$4.00
Marian Newell—Almost pure pink, very large	4.00
Columbia—Pink, lighter than Morel.....	8.00
Mrs. J. J. Mitchell—Clear cream color.....	4.00
Amorito—Bright satin pink, finely incurved	4.00

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

Please mention the American Florist when writing.

The BEST New Scarlet Carnation

The CARDINAL

Winner of First Prize for 100 scarlet and S. A. F. Medal and Certificate at Detroit. To be Disseminated next season by

CHICAGO CARNATION CO., James Hartshorne, Joliet, Ill. Manager,

—AND—

WM. MURPHY, 130 E. 3rd St., Cincinnati, O.

at following rates, \$12 per 100; \$100 per 1000.

OUR DIRECTORY FOR 1904 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

Montreal, Que.

The meeting of the Gardeners' and Florists' Club was held on March 7. The meetings are generally well attended, and the last is proof that there is a revival in the club. The principal business was the revision of the chrysanthemum show's prize list. November 9 and 10 are likely to be the dates of this show. George Pasco read a paper on specimen chrysanthemum plants. At the close of the meeting G. Vreugde announced his departure from Montreal for a more favorable country. He is sorry to have Joseph Bennett's employment, because he passed there a most happy year.

The weather for the last few days has been fair and mild. Business has improved and is fairly good. The stock of cut flowers is quite plentiful and roses are promising well for Easter. Carnations, bulbous stock and violets are plentiful everywhere. "Will the lilies be in for Easter?" is the general question. In the line of plants for Easter, Montreal will have a great variety this year.

G. V.

Honolulu.

Business is very good and good flowers of all kinds are selling well. With the visit of Admiral Evans' fleet, the holidays, weddings and funerals the stock has been well cleaned up. Of course we do not take into consideration the native flower women. They are always in evidence and their prices vary with the demand. They raise no first-class flowers with their crude methods of cultivation. Some of the Japanese, however, raise good chrysanthemums out of doors. There are a great many flowers used here considering the limited white population.

We had an enormous quantity of rain during February, over 28 inches to date (February 25). On the 7th and 11th at least eight inches fell each night, doing an immense amount of damage to the streets and the Honolulu railroad. The road, which is about eighty miles long, was opened but recently.

H. J. R.

Albany, N. Y.

The past two weeks have witnessed an unusual increase in the mortality list, owing to the very changeable climate that is characteristic of March weather in this latitude. As a consequence the florists have been rushed to an unusual degree with orders for funeral work, which required all their energies to fill. One dealer reported early this week that he had already booked twenty-two orders for funeral pieces on the day in question.

Whittle Brothers supplied the decorations for the banquet given by the Metropolitan Life Insurance Company to its agents in this section, on Wednesday evening, at the Ten Eyck hotel. Covers were laid for about 275 guests, among whom were many of the company's officials from New York. Bridesmaid roses were used in considerable numbers, each guest being supplied with a few at his dinner plate.

R. D.

Beats All Advertising Medlums.

AMERICAN FLORIST CO.:—I cannot tell you the exact figures, but the AMERICAN FLORIST beat all the papers I ever advertised in before. I am more than pleased with the results.

W. P. LOTHROP.

Flowering Plants For Easter.

3,000 ERICAS as follows:
ERICA fragrans, 2-year-old, \$6.00 per doz.
Cavendishii, deep yellow, \$1.50 each; \$18 per doz.
Cupressina, shell pink, very beautiful, \$9.00 and \$12.00 per doz.
Persolvia alba, large plants, 2 years old, \$6.00, \$9.00 and \$12.00 per doz.
Persolvia rubra, large plants, 2 years old, \$6.00, \$9.00 and \$12.00 per doz.
Persolvia rosea, \$1.00 each; some large plants, \$2.00 and \$3.00 each.
 One-year-old plants in bloom, \$2.50 and \$1.50 per doz. pots. All Ericas can be shipped without pots.
5,000 AZALEAS, from 50c to \$4.00 each.
CRIMSON RAMBLERS. Our celebrated baskets from \$4.00 to \$7.00 each. One Boat, \$20.00, very fine. Crosses, \$10.00 to \$12.00. Half Moon, \$5.00 to \$7.00. Bushes \$2.00 to \$4.00 each. All extra fine this year. Also a new light and dark pink Rambler in same shapes.

GENISTAS, \$3.00 and \$4.00 per dozen; large plants, \$1.50.
AZALEA, Charles Euke, low, pink and white, \$4.00 per doz.
HYDRANGEAS, pink, \$1.00 to \$7.00 each; blue, \$2.50 ea.
LILAC, in pots, \$1.50 and \$2.00 each.
TULIPS, HYACINTHS, by the 10,000 in pans, pots and flats.
LILY OF THE VALLEY, in pans at 50c, 75c and \$1 each.
BOSTON FERNS, 35c, 50c, 75c and \$2.00 each.
RUBBERS, single stem, \$35.00, \$50.00, \$75.00 per 100.
RUBBERS, branched, \$75.00 and \$100.00 per 100.
KENTIAS, ARECAS, LATANIAS, in all sizes.

Cash with order please. Packing free of charge.

ANTON SCHULTHEIS, College Point, N. Y.

Please mention the American Florist when writing.

VERBENAS

We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. **60 Varieties.**

Rooted Cuttings, 60c per 100; \$5.00 per 1000; \$45.00 per 10,000.
 Plants, \$2.50 per 100; \$20.00 per 1000.

CARNATIONS.

White.		Pink.		Crimson.	
	Per 100		Per 100		Per 100
The Queen.....	\$5.00	Success.....	4.00	Harry Fenn.....	\$5.00
Queen Louise.....	1.50	Mrs. Higinbotham.....	5.00	Gov. Roosevelt.....	2.50
Lorna.....	2.50	Cressbrook.....	3.00	Gen. Maceo.....	1.50
White Cloud.....	1.50	Mrs. E. A. Nelson.....	3.00	Variegated.	
Flora Hill.....	1.50	Mrs. Thos. Lawson.....	3.00	Prosperity.....	2.50
Red.		Dorothy.....	2.00	Mrs. G. M. Bradt.....	3.00
Mrs. Potter Palmer.....	3.00	Sunbeam.....	2.50	Yellow.	
J. H. Manley.....	4.00	Morning Glory.....	1.50	Dorothy Whitney.....	5.00
Oriole.....	2.50	Mrs. Joost.....	1.25	Buttercup.....	3.00
G. H. Crane.....	2.00	Daybreak.....	1.25	Gold Nugget.....	2.00
Jubilee.....	1.50	Wm. Scott.....	1.25	Eldorado.....	1.25
Portia.....	1.25	Crocker.....	1.25		
		Mermaid.....	2.00		
		Floriana.....	1.50		

GRAFTED ROSES.

Our grafted roses are fine, bushy plants and grow in 3 and 3 1/2-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. Send for Catalogue.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

The Queen Best Commercial White CARNATION.

Rooted Cuttings, X X X Stock \$5.00 per 100; \$45 per 1000.

FLATRUSH, BROOKLYN, N. Y., January 28, 1904.

JOHN BARR, South Natick, Mass. DEAR SIR:—The rooted carnation cuttings of "Queen" came to hand safely, and are nice, clean, well rooted stock—in short, all we could desire.

Truly yours,
JOHN BARR, South Natick, Mass.

Send for Descriptive Circular and Price List.

Eaton and Appleton

In quantity, strong 2 1/4-inch plants, \$2.50 per 100; \$20.00 per 1000. Will exchange for healthy rooted Carnations of Adonis, Estelle or Flora Hill.

A. RASMUSSEN, New Albany, Ind.

CHRYSANTHEMUMS.

PINK.		YELLOW.		WHITE.	
	Per 100		Per 100		Per 100
Bentley.....	\$2.00	Mrs. H. Emmerton.....	\$4.00	Calvat '99.....	\$1.00
Mrs. Coombes.....	2.00	F. J. Taggart.....	3.00	Convention Hall.....	5.00
Mrs. Chamberlain.....	2.00	Mrs. F. J. Taggart.....	2.00	Mme. Caibury.....	3.00
Marie Lizer.....	5.00	WHITE.		Mrs. Robioso.....	1.00
K. C. Star.....	2.00	Alice Byron.....	4.00	Mrs. Trantor.....	3.00
YELLOW.		Adrian.....	1.50	BRONZE.	
Robt. Halliday.....	1.50	Chadwick.....	2.00	Edgar Sanders.....	2.00

Prices are for rooted cuttings. Plants from 2 1/4 x 3 1/4-inch pots, 1c each extra. Five of a kind at 100 rate but no order filled for less than \$1.00. Send for list of 50 choice varieties including 1904 novelties.

W. A. CHALFANT, Springfield, Mo.

VESPER

The Best Commercial White Carnation to-date. Pure white blooms, three to three and a half inches and over in diameter; beautifully fringed; very fragrant, exceedingly free bloomer, early and continuous; good until July; very healthy and vigorous, stems stiff, three to four feet long. Has brought top prices in Philadelphia Market the past three seasons. It is a great shipper. 20,000 ready for immediate shipment. **Come and See it Growing.** Read what these experts have to say about it:

We also offer the following good varieties. Ready now, and first-class in every respect.

Harlowden, the finest crimson \$5.00 per 100; \$45.00 per 1000. From 2-in. pots, \$6.50 per 100; \$60.00 per 1000. Those in pots are extra fine for immediate delivery.
Enchantress, \$6.00 per 100; \$50.00 per 1000. From 2-inch pots, well established plants, \$7.50 per 100; \$65.00 per 1000.

	Per 100	1000
Mrs. M. A. Pallen.....	\$12.01	\$100.00
Flamingo.....	12.00	100.00
Mrs. Theo. Roosevelt.....	5.00	40.00
Adonis.....	7.50	65.00
Lillian Pond.....	5.00	40.00
Pres. McKinley.....	3.00	25.00
White Bradt.....	6.00	
May Naylor.....	4.00	35.00
Her Majesty.....	5.00	40.00
Mrs. E. A. Nelson.....	3.00	25.00
Alpine Glow.....	4.00	35.00
Mrs. T. W. Lawson.....	3.00	25.00
Mrs. G. M. Bradt.....	3.50	30.00

SAMUEL S. PENNOCK, 1612-18 Ludlow St. Philadelphia, Feb. 9, 1904.
 ROBERT CRAIG & SON, Philadelphia.
 Gentlemen:—We have been handling the Vesper carnation for the past two or three years, in fact, ever since it was introduced, and we find it to be one of the best all-around commercial whites on the market to-day. It has a good, stiff stem, is a good keeper, and is a good sized flower. Some of our customers prefer this to any other variety we can send them. They think it is the best keeper and gives them the best satisfaction of any white they are handling. Yours very truly,
 SAMUEL S. PENNOCK.

WM. C. SMITH, 61st & Market Sts. Philadelphia, Feb. 1, 1904.
 ROBERT CRAIG & SON, Philadelphia.
 Dear Sirs:—The Vesper plants that I have here on trial are certainly all that you claim for them. I find that the plants are healthy, free and that the flowers are of the first size, of long, stiff stems. You may hook my order for one thousand cuttings to be delivered as soon as ready.
 Yours very truly,
 WM. C. SMITH.

E. C. MARSHALL Florist, Kennett Square, Pa., Feb. 11, 1904.
 ROBERT CRAIG & SON, Philadelphia.
 Dear Sirs:—It gives me pleasure to state that the 20 plants of Vesper sent me on trial have given excellent results. It has excellent health; an extra long stem; flowers are of the first size and do not burst. I also find it quite free.
 Yours truly,
 E. C. MARSHALL.

WM. C. SMITH, 61st & Market Sts. Philadelphia, Feb. 11, 1904.
 ROBERT CRAIG & SON, Philadelphia.
 Dear Sirs:—The Vesper Cuttings were received, and are fine. Please send me one thousand more from the same batch for my own use. I am going to plant a house of Vesper this Fall.
 Respectfully,
 WM. C. SMITH.

Price\$10 per 100; \$75 per 1000.
 2-in. Pots..... 12 per 100; 90 per 1000.

ROBERT CRAIG & SON, 49th & Market Streets, PHILADELPHIA, PA.

NEW PINK CHRYSANTHEMUM

American Beauty

Certificate C. S. A.
 Originated in this country three years ago it has been shown to possess all the qualities required by a first-class commercial Chrysanthemum. Clean, healthy growth, 3½ to 4 feet high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time Nov. 20 and later.
 Price, 50c each; \$5.00 per dozen; \$30.00 per 100.

Rooted Cuttings.

Convention Hall, Marie Liger, Yellow Eaton, Columbia, R. E. Richardson, Godfrey's King, Mme. Diederichs, \$6.00 per 100.
 Nellie Pockett, Mrs. W. B. Chamberlain, Edgar Sanders, Kansas City Star, T. Eaton, Mrs. E. D. Smith, Maud Dean, Primo, White Bonaffon, Lady Playfair, Mary Hill, Intensity, Adrian, H. Hurrell, Brutus, Bonita, Yanoma, Orizaba, Lincoln, Monrovia, John Shrimpton, G. W. Childs, Nagoya, Rieman, Mrs. Coombes.
 Rooted Cuttings, from sand, \$2.00 per 100; \$18.00 per 1000.
 Bonaffon, Mrs. H. Robinson, Niveus, Murdock, Jerome Jones, F. B. Hayes, Merry Monarch, white and yellow; Walter Molatsch, Robert Halliday, Mme. Bergman, Glory of the Pacific, Polly Rose, Ivory, pink and white; Willowbrook, Helen Bloodgood, Col. D. Appleton.
 \$1.25 per 100; \$10 per 1000.

—CASH WITH ORDER PLEASE—
G. F. Neipp, Aqueduct, L. I., N. Y.
 Jamaica Post Office. Woodhaven Station.

FIELD-GROWN ROSES

STRONG 2-YEAR OLD PLANTS, MOSTLY ON OWN ROOTS.

Crimson Rambler 18-24 in., \$6 per 100; \$55 per 1,000.
 No. 2 grade, about 14-20 in., \$4.50 per 100; \$40 per 1,000.
Dorothy Perkins 2 years, No. 1, \$15 per 100; \$135 per 1,000. One year, strong, \$10 per 100; \$85 per 1,000. No. 2 grade, fine plants, \$4.50 per 100; \$40 per 1,000.
General List No. 1 grade, \$10 per 100 except as noted; write for 1,000 rates; +budded plants, *on own roots. +Anne de Diesbach, *Caroline de Sancel, *+Coquette des Blancnes, +Countess de Serenye, *Duke of Edinburg, +Gloire Lyonnaise, *John Hopper, *John Keynes, *Jules Margottin, *La France, +Mrs. Cleveland, +Rugosa Rubra, *+Victor Verdier, *Caprice, *Magna Charta, extra strong, \$9 per 100; \$80 per 1,000; *Madame Plantier, 3 ft., strong, \$6 per 100; \$50 per 1,000.
Medium Grade Nice Plants. +Budded plants, \$6 per 100; *on own roots, \$7 per 100. +Anne de Diesbach, +Baron de Bonstettin, *Caprice, *Caroline Mar-niesse, *Duke of Edinburg, *Gen. Washington, *Helen Keller, +John Hopper, *John Keynes, *Jules Margottin, *La France, *La Reine, *Her Majesty, +Mme. Gabriel Luizet, *Magna Charta, +Marchioness of Dufferin, *Marchioness of Lorne, +Mrs. Cleveland, +Mrs. John Laing, *Mrs. Sharman-Crawford, *Oakmont, +Paul Neyron, +Prince C. de Rohan. for transplanting or mailing, \$4.50 per 100; \$40 per 1,000. *American Beauty 5cts., *John Hopper, *John Keynes, *La France, *Marchioness of Lorne, *Mrs. John Laing, *Paul Neyron, +Soleil d'Or, 8cts, Victor Verdier.
Clematis Strong 1 year plants, \$10 per 100. Henryii, Jackmanni, Lanuginosa Candida, Mme. Ed. Andre, Mme. Baron Veillard.
Ampelopsis Veitchii 3 years, XXX, \$9 per 100; \$85 per 1,000; 2 years, strong, \$7 per 100; \$65 per 1,000, 2 years, medium, \$6 per 100; \$50 per 1,000.
HYDRANGEA PAN. GRAND. Standard or Tree-form Plants.—No. 1 grade, \$14 per 100. Medium grade, about 3 ft., \$10 per 100.
CALIFORNIA PRIVET.—Very bushy and fine; 2-3 ft., \$4 per 100, \$35 per 1,000; 18-24 in., \$3 10, \$25 per 1,000.
BERBERRY THUNBERGII.—18-24 in., very bushy, \$7 per 100.
Ornamental Trees Smooth, thrifty young stock. Elm. American, 8-10 ft., \$2 per 10, \$16 per 100; Hazel. (Corylus) 5-6 ft., \$1.75 per 10, \$15 per 100; Linden, European, 8-10 ft., \$2.50 per 10, \$20 per 100; Maple, ash-leaved, \$1.25 per 10, \$9 per 100; maple, silver, 8-10 ft., \$1.25 per 10, \$10 per 100; maple, Weir's cut-leaved, 8-9 ft., \$1.75 per 10; \$16 per 100; Poplar, Carolina, 8-10 ft., \$1 per 10; \$8 per 100; poplar, Lombardy, 8-10 ft., \$1 per 10; \$8 per 100. Spruce, Norway, 2-3 ft., \$8 per 100, \$65 per 1,000; Spruce, Norway, 18-24 in., \$6 per 100, \$50 per 1,000. Packing charged at cost. Send for complete list of unsold stock.

JACKSON & PERKINS CO., Newark, New York.

YOUNG ROSE STOCK...

STRONG, WELL-ROOTED STOCK 2 AND 2½-INCH NOW READY.

	Per 100	Per 1000		Per 100	Per 1000
BRIDES	2-inch, \$2.50;	2½-inch, \$3.50	PERLES	2-inch, \$3.00;	2½-inch, \$4.00
BRIDESMAIDS...2-inch,	2.50;	2½-inch, 3.50	LA FRANCE.....2-inch,	3.00;	2½-inch, 4.00
IVORY.....2-inch,	2.50;	2½-inch, 3.50	KAISERIN.....2-inch,	3.00;	2½-inch, 4.00
AM. BEAUTY....2-inch,	4.50;	2½-inch, 6.00	WOOTTONS.....2-inch,	3.00;	2½-inch, 4.00
HERMOSA, strong, 2-year old.....	5.00		SOUPERT & HERMOSA.....	2½-inch, 3.00	

—ROOTED CUTTINGS ALL SOLD.—

JAMES C. MURRAY, Peoria, Ill.,
 FLORIST AND SEEDSMAN.

IF YOU HAVE STOCK TO SELL....
 The best way to make that fact known to the trade is by regular advertising in the
The American Florist.

Los Angeles, Cal.

It has been a busy season and I think everyone has had his share of work. Most of them say that their sales will run twenty-five per cent greater than last year. I am speaking of the season up to Lent, which came in quietly and does not interfere much with the trade. However, we all expect to have it a little more quiet in the store for a few weeks and then pay for it in about one week.

The Grace Hill Nurseries have been supplying the trade with hot-house carnations this season, and they have done remarkably well. Their wholesale prices are as follows: Prosperity, \$5 per 100; Lawson, \$4 per 100; all others, \$2 to \$3 per 100. The grade of flowers handled this winter is considerably better than heretofore, owing to so much glass-house stock.

During the past four weeks the streets have been overrun with boys, girls, Japs, Italians and others selling violets. This is the first season such a thing has happened in our town. I do not think it interfered with counter sales in the stores to any marked degree.

The establishment of Miss Godin (deceased) at 436 South Broadway has been sold to Miss Lord and Mrs. Guentherodt, two charming ladies who have had considerable experience in floriculture. They report doing a very nice business.

Theodore Payne, formerly seedman of the Germain Seed & Fruit Company, has opened up a seed and plant store at 442 South Broadway. This is the first seed store that has dared try other than Main street.

This has been a dry season. If more rain does not come, and that quickly, and still more after that, the southern end of the state will suffer. The fall to date is less than five inches.

T. H. Wright has purchased the Fourth street store of the Ocean Park Floral Company, and it now goes under the name of the Ocean View Floral Company.

E. J. Vawter, of Ocean Park, is increasing his output of carnations. He will plant 180,000 in the field this year.

The Redondo Floral Company will plant new fields of carnations this year to the extent of ten acres.

TOMMY.

Tuscon, Ariz.

Dr. D. T. MacDougal, director of the New York Botanical Gardens; Professor R. H. Forbes, director of the United States agricultural experiment station at the University of Arizona, and George Sykes, of Flagstaff, a guide, compose an expedition fitted out by the New York Botanical Gardens and the Carnegie Institute of Washington for the purpose of exploring the shores and islands of the Gulf of California for new forms of plant life. This region has never before been visited by botanists and some remarkable discoveries are expected from the expedition, which will touch at Tiburon Island, the home of the savage Seris, and at a remarkable island in the gulf, a point where desert and marsh meet. This island was discovered two years ago by Frederick V. Coville, explorer for the Department of Agriculture. The exploration party met at the Desert Botanical laboratory at Tuscon and went direct to Yuma, where a schooner forty feet long had been constructed purposely for the trip.

CHOICE GRAFTED

ROSES

On Extra Selected English Manetti Stock. Ready April 1st.

BRIDE, MAIDESMAID, GOLDEN GATE, IVORY, FRANCIS DEEGAN, } 2 1/2-inch pots.
 \$12 per 100;
 \$100 per 1000.
 \$18 per 100.

S. J. REUTER,
 WESTERLY. R. I.

Carnations

Special Prices for March.

	Per 100	Per 1000
QUEEN LOUISE.....	\$1.25	\$10.00
LILLIAN POND	4.00	30.00
ETHEL CROCKER	1.00	7.50
MRS. E. A. NELSON	1.50	12.50
FLORIANA	1.25	10.00

Other varieties in proportion. Send for list. Must be sold to make room for late batch of cuttings.

ALBERT M. HERR, Lancaster, Pa.

Rooted Cuttings

BRIDE and BRIDESMAID \$1.50 per 100; \$15.00 per 1000, from carefully selected wood and well rooted.

L. B. CODDINGTON, Murray Hill, N. J.

Carnations

ROOTED CUTTINGS.

Orders booked now for next season's delivery of all the leading varieties. Send us a list of what you want and get prices that are right.

Chas. Chadwick, L. Box 11, Grand Rapids, Mich.

AMERICAN FLORIST COMPANY'S

DIRECTORY

FOR 1904.

THIS 1904 Trade Directory is fully revised to date, with thousands of new names and changes of addresses. It contains 412 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada. These lists are arranged both by states and all alphabetically. It also contains lists of Firms that issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Leading Foreign Houses, and much other conveniently indexed and valuable trade information.

PRICE \$2.00 POSTPAID.

THE AMERICAN FLORIST CO.

324 Dearborn Street,
 CHICAGO, ILL., U. S. A.

CARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the following varieties:

Per 100	1000	Per 100	1000
Oriole.....	\$1.50 \$12.50	Joost.....	\$1.25 \$9.00
Portia.....	1.20 9.00	America.....	1.50 12.50
Lorna.....	1.50 12.00	Flora Hill.....	1.50 10.00
W. Cloud.....	1.50 12.50	Mrs. Palmer.....	1.50 12.50
Q. Louise.....	1.50 12.50	Mrs. L. Ine.....	1.50 10.00
Prosperity.....	2.00 15.00		

ROSE CUTTINGS.

Choice well-rooted stock.	Per 100	1000
Bridesmaid.....	\$1.25	\$12.00
Bride.....	1.25	12.00
Mme. Chatenay.....	3.50	30.00
American Beauty.....	3.00	23.50
Golden Gate.....	1.25	12.00

ROSE PLANTS.

Strong stock in 2 1/2-in. pots.	Per 10	1000
Bridesmaid.....	\$2.75	\$23.50
Bride.....	2.75	23.50
Golden Gate.....	2.50	20.00
Bride, 3 inch, extra choice.....	5.00	40.00
Bridesmaid, 3-inch, extra choice.....	5.00	40.00
Stock Beauties, (2-year old).....	\$10.00	per 10
Stock Liberty, (2-year old).....	10.00	per 10
Asparagus Plumosus, 3-in. pots.....	\$5.00	per 100
Asparagus Sprengerii, 3-in. pots.....	4.00	per 100

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center, Illinois.

EXTRA GRADE

Carnation Cuttings.

READY TO SHIP.

We are supplying the following varieties with stock, guaranteed perfect in every respect at the following prices:

Pink	Per 100	1000	White.	Per 100	1000
Lawson.....	\$1.75	\$15.00	Glacier.....	\$1.75	\$15.00
Marquis.....	1.50	12.50	White Cloud.....	1.50	14.00
Joost.....	1.25	10.00	Flora Hill.....	1.50	12.00
Dorothy.....	1.50		Variegated.		
Scarlet.			Prosperity.....	1.50	14.00
Crane.....	1.75	15.00			

Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. CASH.

The W. T. BUCKLEY PLANT CO.,
 SPRINGFIELD, ILL.

Rooted Cuttings, Verbenas, 25 var., good ones, 60c per 100; \$5.00 per 1000. Heliotrope, good varieties, \$1.00 per 100; \$8.00 per 1000. Coleus, all the best, 70c per 100; \$6.00 per 1000. Ageratum, 60c per 100; \$5.00 per 1000. Salvia, \$1.00 per 100; \$8.00 per 100. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Pelargoniums, \$2.25 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write S. D. BRANT, The Clay Center Florist, Clay Center, Kansas.

Rooted Carnation Cuttings

	Per 100
Enchantress.....	\$5.00
Queen.....	4.00
Fair Maid.....	2.50
Lawson.....	2.50

H. F. LITTLEFIELD, WORCESTER, MASS.

Orders Booked Now For Future Delivery.

Rooted Cuttings and Plants of Rose Queen of Edgely, (Pink American Beauty). Write for prices.

EDWIN LONSDALE,
 Wyndmoor, Chestnut Hill, PHILADELPHIA.

50,000 Well Rooted Carnations.

Cuttings now ready. Enchantress, \$6.00 per 100. Harlowarden, \$5.00 per 100. Lawson and Crane, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. ROSES, Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

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

The American Florist

A JOURNAL FOR THE TRADE.



What Advertisers Say

SAME OLD STORY.—AM. FLORIST Co.:—Kindly discontinue our adv. "Bred in Old Kentucky." The FLORIST is certainly a splendid medium for advertising. The first insertion brought us orders enough to clean us out of cuttings. We enclose \$4.00 to pay for the insertions. When we have more stock will try it again. We were not only highly pleased with the results, but with manner in which you displayed our adv. C. L. BRUNSON & Co. Paducah, Ky.



PLEASURE AND PROFIT.—AM. FLORIST Co.:—Your paper is a weekly source of pleasure and profit to every one connected with this concern, and three copies have been subscribed for by the company for several years—one to my house, one to the greenhouses and one to the store. In addition to that the foreman and one or two of the men each receive a copy.

J. A. VALENTINE, Pres.
Denver, Colo. Park Floral Co.



THE WHOLE THING.—ED. AM. FLORIST:—We enclose P. O. order for the AMERICAN FLORIST for another year. We consider it the "whole thing."
SOUTH PARK FLORAL Co.
New Castle, Ind.

Advertising Rates.

\$1.00 per inch, \$30.00 per page of 30 inches. Discounts on time contracts as follows:

- 6 insertions..... 5 per cent.
- 13 insertions..... 10 per cent.
- 26 insertions..... 20 per cent.
- 52 insertions..... 30 per cent.

Space on front and back cover pages sold only on yearly contract at \$1.00 per inch, net.

THE AMERICAN FLORIST CO.

324 Dearborn Street,
CHICAGO, ILL.

Finds It an Aid.

ED. AM. FLORIST:—I much prefer your paper to others. I have just started growing cut flowers for the New York market, and find your paper very valuable.

WM. SIMMONDS.

Staten Island, N. Y.

Julius Roehrs

RUTHERFORD, N. J.

Crower of

Palms, Bay Trees, Box Trees

—AND—

Decorative Stock.

Please mention the American Florist when writing.

Hydrangeas.

In fine shape, 4-inch pots, \$8.00 per 100.

Iberis Sempervirens.

3-inch pots, \$3.00 per 100; 200 for \$5.00.

—Cash With Order.—

C. G. NANZ, Owensboro, Ky.

Roses. Roses. Plants and Rooted Cuttings.

R. C. Per 100 2½-in. Per 100

American Beauty,..... \$3.00 \$6.00
 Bride, Maid Ivory, Gate,..... 1.50 3.00
 Perle, Kaiserin, Canadian Q'n 2.00 4.00

LOW RATE BY THE THOUSAND.

BOSTON FERNS. 2½-inch, \$4.00 per 100; 3-inch, \$8.00; 4-inch, \$12.50; 5 inch, \$25.00; 6-inch, \$40.00. Fine stock. Note the special low prices on smaller sizes.

CULLETT & SONS, Lincoln, Ill.

American Beauty.

From bench, 1-year-old, cut back, \$10.00 per 100; \$90.00 per 1000. American Beauty, 2½-in. pots, \$5.00 per 100.

Bride, { 2 x 2½-inch pots, \$3.00 per 100;
 bridesmaid, { \$25.00 per 1000.
 Golden Gate,
 Forg-t-me-nots, 2½-inch, \$3.00 per 100.

RHOTEN BROS. & CO., Box 5, Danville, Ill.

GIANT CYCLAMEN.

My own strain. The best that can be raised. Once transplanted, \$2.00 per 100; \$18.00 per 1000. 2½-inch pots, excellent stock, 5 colors, \$1.00 per 100; \$36.00 per 1000. 3 and 4-inch blooming Primroses and 3-inch Obconicas for Easter, 6c and 10c. Sprenger, from flats, 75c per 100; \$6.00 per 1000. 3-inch, \$1.00 per 100.

C. WINTERICH, Defiance, O.

LILIES.

We shall have about 700 Lilies running from 18 to 24 inches high, and from three to ten buds, which we quote you at 10c a bud for immediate shipment, without pots. Now is the time to order your Lilies, for they can be shipped out much easier than when in full bloom. Write

GEO. A. KUHL, Pekin, Ill.

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.

40,000 BLOOMING PLANTS.

FOR EASTER.

- 3,000 Crimson Ramblers, Unique designs, extra fine plants, \$1.00 to \$25.00 each.
- 2,000 Hydrangeas, the finest in the market, \$1.00 to \$5.00 each.
- 10,000 Lilium Longiflorum, 12c and 15c per bloom.

A large assortment of Hyacinths in pans, \$12.00 per dozen.

- Azaleas, 75c to \$15.00 each.
- Hybrid Roses, \$5.00 per doz. and up.
- Spiraea, \$4.00 and \$6.00 per doz.
- Rhododendrons, \$1.00 to \$15.00 each.

Also a large assortment of Palms and other ornamental plants.

HERMAN C. STEINHOFF,
WEST HOBOKEN, N. J.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA PALMS, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.
 REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.
 ORACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.
 BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$1, \$3, \$15 per 100.
 ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.
 GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Sallerol, \$2.50 per 100.

ROOTED CARNATION CUTTINGS, Queen Louise \$1.00; Lawson and Prosperity, \$1.50; Crocker and Goodenough, \$1.00 per 100; 2-in. pots, \$2.00 per 100.
 GLADIOLUS BULBS, fine mixture, \$1.00 per 100.
 2½-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow Single and Double PETUNIA, HELIOTROPE, Golden Gate and Bridesmaid ROSES, ORACAENA INDIVISA, VERBENA, LEMON VERBENA, \$2.00 per 100.

CASH OR C. O. D.

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

GERANIUMS.

Rooted Cuttings. Ready Now.

- Buchner..... \$10.00 per 1000
- Perkins..... 10.00 per 1000
- Jean Vaud..... 12.50 per 1000
- Le Soliel..... 12.50 per 1000

Send for complete list of varieties. Big lot ready for April 15th.

ALBERT M. HERR, Lancaster, Pa.

SPECIALTIES

ROSES, from 3-inch pots, **In Best**
 CARNATIONS, for all delivery, **Varieties**
 CHRYSANTHEMUMS,
 SMILAX, VIOLETS.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

FUCHSIAS...

Strong 2½-inch plants, ready now. LITTLE BEAUTY, \$5.00 per 100. LORD BYRON, \$4.00 per 100.

S. S. SKIDELSKY,

708 North 16th St., PHILADELPHIA PA.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

HEADQUARTERS FOR EASTER PLANTS.

Blooming Easter Week or from now if desired. I am noted for the past years and have a reputation among the trade all over the land, for growing a large and abundant assortment of choice Easter blooming plants of every description. I have an immense stock in large houses and 16 hot beds are crowded to their full extent, in better shape and condition than ever before. **Azalea Indica; 3 houses filled with this only choice American variety.** I know exactly what my customers and the public want. My son Howard and I went to Europe last summer on account of the scarcity of Mme. Van der Cruyssen azaleas, and must say with great pleasure that we were successful in obtaining 2,000 of this beautiful variety alone and offer them now as the gem of my stock only; none of it has been picked out by fall sales and I have the residue left. I make it a rule not to offer any in the fall outside of Xmas. Please note my prices of the 2,000 Mme. Van der Cruyssen; 6, 7, 8-inch, 60c, 75c to \$1.00 each; specimens, \$1.25 to \$1.50 each. These are as round as an apple and covered with buds. Other varieties of which we have a large stock: B. A. Alba, Niobe, double white, Empress of India, Prof. Walter Vermeriana, Dr. Moore, Loo, Dr. Manhurst, Paul Weber, Simon Rucker, Lustre and about 12 more leading varieties, 6, 7, 8-inch pots, 50c, 60c, 75c, 90c, \$1.00 each; specimens, \$1.25, \$1.50 each. If pots are not wanted we take the fresh soil off, because Azaleas never make new roots during winter; that makes packing light and safe and reduces the express charges considerably.

Lilium Harrisii and Japan Multiflorum. Have about 2,000 to offer. Raised only from special brand bulbs of Mr. H. F. Michell at the cost of \$100.00 per 1000; 6-inch pots, from 5 to 8 buds to a plant, 10c per bud; under 5 buds, 12 cents.

Cineraria Hyb. Have a house of 2,000, 6-inch pots, all shades, from Mr. H. F. Michell's last strain \$3.00, \$4.00, \$5.00 per dozen.

Hydrangea Otaksa, 6 to 7-in. pots, from \$4.00, \$5.00, \$6.00, \$7.00 to \$12.00 per dozen.

Daisies, white, (Marguerite), 6-inch pots, \$3.00 per dozen.

Begonias, Pres. Carnot, 6-in. pots, \$3.00 per doz. mixed, with or without bloom, 4 in. pots, \$1.80 per doz.

" Vernou, in bloom, 4-in. pots, \$1.50 per doz.

Cyclamen, 4-in. pots, in bloom, \$2.00 per doz. Bud and bloom.

Primula Obconica, 4-inch, \$1.80 per doz.

Spiraea Compacta, Superba, and Floribunda, 6-inch pots, \$3.00 to \$4.00 per doz.

Gladstone, new, 6-inch pots, \$5.00 per doz.

Hyacinths, only the choicest of my own importation, all shades, \$10.00 per 100.

Tulips, Toursdale, double red or yellow, best selling tulips, 3 in a pot, 4-in. pots, \$1.50 per doz.

Daffodils, Von Zion, best double nosed, 3 in a 5 1/2-in. pots, \$2.50 per doz.

Arcauria Excelsa, 6-in. pots, 5 to 6 tiers, 22, 23 to 26 inches, \$1.00, \$1.25 and \$1.50 each; 8-in. pots, 28 to 35 in. high, perfect jewels, \$3.00 to \$3.50 each; worth \$5.00 each easy; 5 1/2-in. pots, 3 tiers, 50c; 4 to 5-in. slightly damaged, 25c, 30c to 40c.

Ficus Elastica, Rubber Plants, 6-inch pots, from 20 to 28 in. high, \$3.00 \$4.00, \$5.00 and \$6.00 per doz.

Drecaena Branti, 22 to 25 in. high, good for decoration, 35c to 50c each.

Smith's Hyb. Moon Vines, best in the world, 2 1/2-inch pots, \$5.00 per 100.

To save express charges please state if pots are wanted. All goods shipped at purchaser's risk. Cash with order is needed. Buyers coming to Philadelphia are respectfully invited to visit my place and inspect buying elsewhere. Take 13 or Germantown car to Ontario Street.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,
1012 Ontario St., PHILADELPHIA, PA.
Bell Telephone Tioga 3869 A.
Please mention the American Florist when writing.

MIDLAND, ONT.—Delay in the shipment of the boiler and pipe for the heating plant in a new range erected by William Winfrey, who has been in the florist business for several years in this city, caused the loss of all his plants by frost, amounting to \$800. He had taken out the old heating system, expecting the new material in time to replace it.

WILMINGTON, DEL.—William M. Canby, president of the Park Commission, died this morning at Augusta, Ga. Mr. Canby was a noted botanist, having frequently worked with Prof. Sargent and John Muir, of California, making a tour of Alaska with the latter about three years ago. He was a trustee of the Prof. Gray Botanical fund.

Hardy Ornamental Stock Crown in the Most Northern Nurseries in the United States.

Special Offers for Shrewd Buyers.

Ornamental Trees.

Ash, American	5-6 feet	8c
Ash,	4-5 feet	7c
Birch, Paper or Cane	6-7 feet	20c
Birch,	4-6 feet	15c
Catalpa Speciosa	6-7 feet	8c
Catalpa	5-6 feet	7c
Cottonwood	10-12 feet	10c
Cottonwood	8-10 feet	8c
Weir's Cut Leaf Maple	6-8 feet	15c
Mountain Ash, European	6-8 feet	12c
Mountain Ash,	5-6 feet	10c
Mountain Ash, Oak-Leaved	6-7 feet	20c
Poplar, Golden	6-7 feet	12c
Poplar,	4-6 feet	10c
Poplar, Silver	5-6 feet	5c
Poplar,	6-8 feet	6c

Shrubs.

Altheas, Assorted	2-3 feet	8c
Barberry, Purple	2-3 feet	10c
Barberry,	12-18 in.	5c
Currant, Red Flag	2-3 feet	8c
Red Twig Dogwood	2-3 feet	10c
Deutzia, Assorted	2-3 feet	8c
Deutzia,	3-4 feet	10c
Golden Elder	3-4 feet	8c
Purple Fringe	2-3 feet	8c
Hydrangeas, P. G.	2-3 feet	8c
Hydrangea,	18-24 in.	6c
Snowberry, White Fruited	3-4 feet	8c
Spiraea, Assorted	2-3 feet	8c
Spiraea, Assorted	3-4 feet	10c
Syringa,	2-3 feet	8c
Syringa,	3-4 feet	10c

Climbers.

Amp. Quinquifolia	1 year	.3c; 2 year	.4c
Amp. Veitchii	1 year	.5c; 2 year	.8c
Clematis, Assorted	2 year	20c	
Matrimony Vine	2 year	.4c; 3 year	.6c
Bitter Sweet, 3 to 4 ft.	2 year	.7c	

And many others in great variety. Send for our special Wholesale List. CATALOGUE FREE describing many new and valuable varieties.

L. L. MAY & CO., St. Paul, Minn. NURSERYMEN, FLORISTS & SEEDSMEN.

Cannas,

Strong Root Pieces, averaging 2 to 3 eyes.

ALPHONSE BOUVIER.

- ALSACE.
- AUSTRIA.
- BLACK BEAUTY, \$7.00 per 100.
- BASSETT'S RED, \$3.00 per 100.
- CHARLES HENDERSON.
- CRIMSON BEDDER.
- DUKE OF MARLBOROUGH.
- EGANDALE, \$3.00 per 100.
- FLORENCE VAUGHAN.

MME. CROZY.

- MRS. KATE GRAY, \$5.00 per 100.
- PRES. CARNOT.
- PRES. CLEVELAND.
- PROGRESSION.
- QUEEN CHARLOTTE.
- ROBERT CHRISTIE.
- SAM TRELEASE, \$4.00 per 100.
- SOUV. DE ANTOINE CROZY.

UNLESS NOTED \$2.00 per 100; \$18.00 per 1000. WRITE FOR PRICES ON LARGE LOTS.

The Storrs & Harrison Co., Painesville, Ohio.

Please mention the American Florist when writing.

...CANNAS...

F. Vaughan, J. C. Vaughan, Chas. Henderson, A. Bouvier, Burbank, \$1.50 per 100; \$12.00 per 1000. **ALTERNANTHERA**, the new *Brilliantissima*, finest of all, \$1.00 per dozen; \$6.00 per 100. **BOSTON FERNS**, 2 1/2-inch, ready for 4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; **PIERSON FERN**, 2 1/2-inch, ready for 4-inch, \$8.00 per 100; 5-inch, fine, 50c. **ASP. PLUMOSUS**, 2 1/2-inch, extra fine, \$3.50 per 100. **ASP. SPRENGERI**, 2 1/2-inch, \$2.00 per 100. **CARNATIONS**, Queen Louise, R. C. \$1.25 per 100; \$10.00 per 1000. **COLEUS**, 15 varieties, 2-inch, \$2.00 per 100.

CASH PLEASE.

A. J. BALDWIN, Newark, Ohio.

PEACOCK'S DAHLIAS FOR 1904

Send for New Descriptive Trade List, Now Ready.

DAHLIA SPECIALIST

W. P. PEACOCK, Atco, N. J.

Cannas...

Chas. Henderson, Chicago, Papa, McKinley, Alphonse Bouvier, Florence Vaughan, Egandale, C. D. Cabos. Strong healthy tubers, 2-3 eyes true to name, \$1.75 per 100; \$15.00 per 1000.

PAUL MADER, E. Stroudsburg, Pa.

Please mention the American Florist when writing.

100,000 Pansies, prize strain of Bugnot, Cassier and Trimardeau, fine large transplanted plants from frame 50c per 100; \$3.50 per 1000. Extra large plants, twice transplanted, coming in bud, \$1.00 per 100; \$10.00 per 1000. Asparagus Plumosus Nanus, from flats, ready to pot, \$3.00 per 100; \$18.00 per 1000. **HILL TOP GREENHOUSES**, 15-17 Gray Ave., Ulica, N. Y.

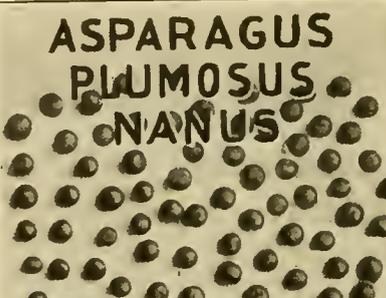
Dormant Roses.

FIELD-GROWN. H. P.'s and Mosses. **MANETTI STOCKS**. Fine disbudded plants. No. 1, 2 and 3. Only in lots of 5000 and upwards. Prices and samples upon application.

Huntsville Wholesale Nurseries, Huntsville, Ala.

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

ASPARAGUS PLUMOSUS NANUS



Vaughan's SEED STORE
CHICAGO NEW YORK

ASPARAGUS Plumosus Nanus.

NEW CROP. GREENHOUSE GROWN SEED.

Special Price for the Next 16 Days.

Per 1000 Seeds, \$6.00.

10,000 Seeds, \$55.00.

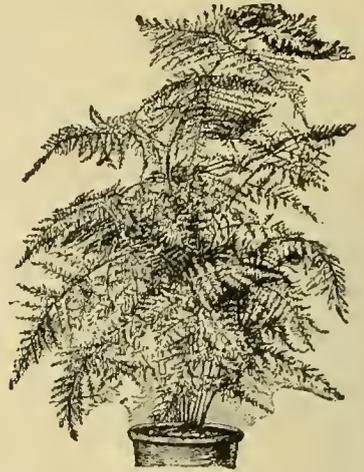
2 per cent cash with order.

April is the best time to sow this seed.

Vaughan's SEED STORE,
CHICAGO, NEW YORK.

84-86 Randolph Street.

14 Barclay Street.



Easter Lilies

Japan Longiflorum Lilies, 3 to 20 buds, 6 in. to 10 in. pots, heavy foliage, full length of stem. Can ship in any quantity either cut flowers or plants. 12 cents per bud.

SAMUEL J. BUNTING,
Elmwood Ave. and 58th St.,
Philadelphia, Pa.

Please mention the American Florist when writing.

NEW ASTER 41 in. High.

MISS KATE LOCK

Blooms 6 to 7 inches across, stems 36 to 39 ins. long; very robust growth. Mixed seed only for sale this year, separate colors next year. One-sixteenth of an oz. for \$1.00. Never been beat.

Originator, J. H. LOCK,

41 Manchester Ave., Toronto.

Please mention the American Florist when writing

VIOLET PLANTS.

Princess of Wales. Field-grown, well-rooted, delivered at \$15.00 per 100 or \$3.00 per 100.

Remember we pay the express charges. Cash with order.

Ocean Park Floral Co., Ocean Park, Cal.
E. J. VAWTER, President.

GLADIOLUS BULBS.

I still have for sale several hundred thousand from 1 1/2 inches down, both common and selected, X and XX. Also some 20 bushels of bulblets. Prices on application.

M. CRAWFORD, Cuyahoga Falls, O.

Asclepias Tuberosa, Delphinium, in 12 varieties, including Zalt, the poor man's orchid. **Dianthus,** Hunt's best of all the Sweet Williams. **Digitalis,** in 12 varieties. **Lobelia,** Cardinals, stock limited*. **Primula Flotior,** Gold-laced Polyanthus*, Forbesi or Baby Primrose*. **Hollyhocks,** the finest double yellow and white. A few pounds each of the above except those marked *. Trial packet 10c.

CHAS. LONG, 277 Jefferson Ave., Rochester, N. Y.

NILES, MICH.—The Michigan Central Railroad Company has rebuilt its greenhouses here, doubling their capacity. For ten years the houses have been maintained for the purpose of growing flowers to make bouquets which are given to every woman passenger on the road's trains that pass here,

Lily of the Valley Pips

For Immediate Delivery From Cold Storage

ALL THE YEAR ROUND.

PRICES ON APPLICATION.

SUZUKI & IIDA, 31 Barclay St., NEW YORK.

GERANIUMS

10 var., 2-in. pots, \$2.50; 2 1/4-inch	Per 100	\$3.00
10 var., 3-in. pots		4.00
Alternantheras, red and yellow, April 15		2.00
Double Petunias, 2-inch pots		2.00
Asp. Plumosus Nanus Seeds, per 1000		\$6.50; 1.00

Cash or C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Coleus

10 varieties, 2-inch pots	Per 100	\$2.00
Vinca Var. Vines, 2-inch pots		2.50
10 varieties, Verbenas, 2-inch pots		2.00
E. Croker and F. Hill, 2-inch pots		2.00
Asparagus Sprengeri, April 15		2.00

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. **PEONIES,** 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 100. **H. P. ROSES,** dormant, own roots, \$1.50 per doz; \$12.00 per 100. **PANSIES,** transplanted, the very finest \$1.50 per 100. **F. A. BALLER, Bloomington, Ill.**

CANNAS.

Dry tubers, our choice of sorts and colors, \$1.00 per 100. We will furnish good assortment in the following varieties: Florence Vaughan, Canary, Burbank, Grand Rogue, Mme. Crozy, Chas. Henderson, Bronze Bedder, Beate Poitevine, J. Montel, J. D. Eisele, Duke of Marlborough, Scarlet Queen, etc.

Ceraniums—Good plants	Per 100	\$4.00
Strong plants, bud and bloom		6.00
Hollo trope of sorts, good stock		4.00
Coleus—Rooted Cuttings, 75c per 100; Plants 2.50		
Alternantheras—3 kinds, Rooted Cuttings		.50
Plants, bushy		2.50
Begonias, in good assortment		4.00

ROBERT S. BROWN & SON,
Box 335, KANSAS CITY, MO.

Tritomas.

Pfitzeri and Uvaria Grandiflora, Dahlias, named, Iris, Lilies, Zephyranthes, Canna Black Beauty, Amaryllis Formosissima. Bulbs and Hardy Plants. Write for price list.

E. S. MILLER, WADING RIVER, N. Y.

MAGNOLIA GRANDIFLORA.

5 to 6-inch high	Per 100	\$ 5.00
8 to 10-inch high		8.00
15 to 18-inch high		15.00
20 to 24-inch high		20.00

All strong pot-grown plants.

Joe Browne, Nashville, Tenn.
Lischy Nursery and Greenhouses.

EASTER LILIES.

3,500 pots Longiflorum Multiflorum and Harisii, 3 to 6 flowers, 5 to 6 in. pot, 1 1/2 to 3 feet high fine foliage, none finer, per bud or flower, 10c.

300 Hydrangeas Otaksa and Hogg, 5-in. pots, 25c and 35c each. State if wanted with or without pots. Cash with order.

Christian Dehn, 178-80 Beekman Street, Saratoga Springs, N. Y.

60,000 CANNAS

In first-class shape. 30 best varieties, true to name from \$1.00 per 100 up. Seed for price list.

KENTIA BELMOREANA, nice clean stock, 3-in., \$1.50 per doz.; 4-in., \$3.00 per doz.

RUBBER PLANTS, 15 to 25 cents each.

1,000 **VINCA VARIEGATA,** extra heavy 4-inch pots, \$8.00 per 100. Rooted Carotation Cuttings. Write for prices.

W. W. COLES,
KOKOMO, IND.

SUCCESSFUL SELLERS

are the successful growers who advertise in *THE AMERICAN FLORIST.*

THE AMERICAN FLORIST.

Pelargoniums

Four best varieties, 3 1/2 inch, well branched and in bud, 12c. each; 20 varieties, 2 1/2 inch, our selection, per 100, \$4.00.

Asparagus Sprengeri

One year old from flats, 2 inch, 3 and 3 1/2 inch, 1c., 2c., 3c., 5c. each. All fine and need repotting. Cash with order, please.

J. SYLVESTER, Florist,
Oconto, Wis.

Please mention the American Florist when writing.

HARDY CUT FERNS.



Both Fancy and Dagger. \$2.00 per 1000.

SPHAGNUM MOSS, fine quality 60c per bbl.

LAUREL FESTOONING, fine heavy and hand made, 5c per yd.

ELM AND MAPLE TREES, for Spring planting.

BOUQUET GREEN FESTOONING, \$5.00 per yds.

Cash with all orders or no goods shipped. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

Please mention the American Florist when writing.

Asparagus and Palms

We have a fine stock of the above which we will offer until the stock is reduced at the following prices:

Asparagus Sprengeri, 2-inch.....	Per 100	\$2.00
" " " " 3-inch.....		3.50
Asparagus Plumosus, from flats.....		2.25
" " " " 2-inch.....		3.00
" " " " 3-inch.....		6.00
Kentia Bel., 2 1/4-in. pot, 8-10 in., 2-3 leaves.....		12.00
" " " " 2 1/2-in. pot, 15-18 in., 3-4 leaves.....		15.00
" " " " 3-in. pot, 15-18 in., 4-5 leaves.....		18.00
" " " " 3-in. pot, 18-24 in., 5-6 leaves.....		20.00
Latania Bor., 2-in. pot, seed leaves.....		5.00
" " " " 3-in. pot, 15-18 in., 2-3 chr. lvs.....		12.00
" " " " 5-in. pot, 18-20 in., 3-4 chr. lvs.....		20.00
" " " " 5-in. pot, 20-24 in., 4 chr. lvs.....		30.00

Sherman Nursery Co., CHARLES CITY, IOWA.

Please mention the American Florist when writing.

PIERSON FERNS VERY TRUE STOCK.

Strong 2 1/4-inch stock.....\$ 8.00 per 100
Strong 3-inch stock..... 10.00 per 100
Strong rooted runners..... 5.00 per 100

Cash with order. Satisfaction guaranteed.

BAUR FLORAL CO., Erie, Pa.

Please mention the American Florist when writing.

Green Sheet Moss.

LARGE THIN PIECES,

\$1.00 per barrel.

W. Z. PURNELL, Snow Hill, Md.

ELMIRA, N. Y.—Ground for the big plant of the United States Flower Company will be broken as soon as spring opens. Contracts are being let for all lines of materials and supplies. The company expects to complete its first block of houses, power station and sheds not later than July 15. The head offices of the company will be permanently located at Elmira, and a number of prominent Elmira citizens will be on the board of directors.

Asparagus, Ferns, Palms, Etc.

Asparagus Sorengerii, \$2.50 per 100; 3-inch pots, \$3.50 per 100.

Boston Fern, \$3.50 per 100; 3-inch pots, \$6.00 per 100.

Kentia Belmoreana, strong, bushy, 3-inch pot plants, \$12.00 per 100; 4-inch pot plants, 15 inches high, \$30.00 per 100.

Cocos Weddelliana, 3-inch pots, 10 inches high, \$15.00 per 100.

Carnations, strong pot plants from selected cuttings. Per 100
Enchantress.....\$6.00
Mrs. Lawson..... 3.00
Queen Louise..... 2.50
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Carnations. Per 100

Flora Hill..... 2.50
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Geraniums, well established plants from 2 1/4-inch pots. All the standard varieties at \$3.00 per 100; \$25.00 per 1000. Our choice of varieties, good assortment of colors, \$2.50 per 100; \$20.00 per 1000.

Headquarters for best stock of Dormant Hybrid Perpetual Moss, Crimson Rambler and Tree or Standard Roses.

Rhododendrons, Azalea Mollis, Clematis and a full line of Hardy Shrubs, Vines and Planis.

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BOSTON—2 1/4-in. \$3.50; 3-in. \$8; 4-in. \$15; 5-in. \$25; 6-in. \$40; 7-in. \$60; 8-in. \$75 per 100.

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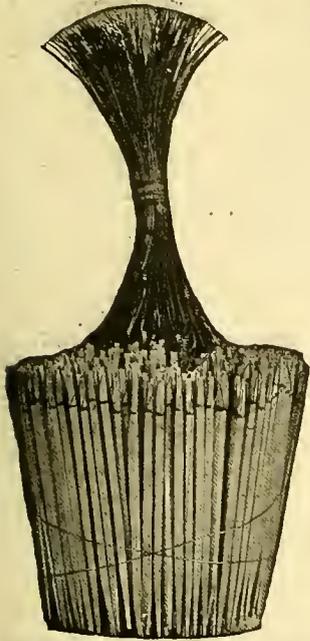
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H. H. Berger & Company, New York, bulbs, seeds and plants; George Hollis, South Weymouth, Mass., perennial phloxes; John H. Dunlop, Toronto, Ont., plants and cut flowers; A. C. Kendel, Cleveland, O., seeds and bulbs; George Egger, Jaffa, Palestine, flower bulbs and roots; Goulds Manufacturing Company, Seneca Falls, N. Y., sprayers, pumps and tanks; W. W. Johnson & Son, Ltd., Boston, England, vegetable and flower seeds; P. J. Berckmans Company, Augusta, Ga., nursery stock; Wood Brothers, Fishkill, N. Y., plants and rooted cuttings; Archias Seed Store, Sedalia, Mo., seeds; John D. Imlay, Zanesville, O., seeds and plants; Luther Burbank, Santa Rosa, Cal., daisies; Mt. Desert Nurseries, Bar Harbor, Me., nursery stock; Hub Ventilating Company, Boston, Mass., ventilators; H. Cannell & Sons, Swanley, Kent, Eng., ocimum viride; Ottolander & Hoofman, Boskoop, Holland, nursery stock; W. Atlee Burpee & Company, Philadelphia, Pa., seeds; Thos. Meehan & Sons, Inc., Germantown, Philadelphia, Pa., seeds; W. W. Wilmore, Denver, Col., dahlias, gladiolus, hardy plants, etc.; Wm. Baylor Hartland & Sons, Cork, Ireland, new hardy plants; The Wm. H. Moon Company, Morrisville, Pa., nursery stock; Van Heiningen Brothers & Company, Boskoop, Holland, nursery stock; W. W. Rawson & Company, Boston, Mass., seeds; Southwick Nurseries, Southwick, Mass., hardy ferns and flowers; Ellwanger & Barry, Rochester, N.Y., nursery stock; Wm. H. Moon Company, Morrisville, Pa., nursery stock; De Graaf Brothers, Ltd., Leiden, Holland, bulbs and plants; Peter Henderson & Company, New York, seeds; State Nursery Company, Helena, Mont., seeds, bulbs, trees, etc.; Eastern Nurseries, Jamaica Plain, Mass., nursery stock; The Livingston Seed Company, Columbus, O., seeds; Phoenix Nursery Company, Bloomington, Ill., hardy trees and plants; J. Dijkhuis & Company, Boskoop, Holland, nursery stock; W. A. Manda, Inc., South Orange, N. J., plants, trees, shrubs, etc.; Mark T. Thompson, Rio Vista, Va., strawberry plants, etc.; J. H. Hale, South Glastonbury, Conn., berry plants; William Bull & Sons, Chelsea, London, England, plants; John Sharpe & Sons, Bardney, Lincs., England, agricultural seeds; Sander & Sons, Bruges, Belgium, azaleas, palms and bays; Arthur Cowee, Berlin, N. Y., gladioli; Vilmorin-Andrieux & Company, Paris, France, chrysanthemums; Wachendorff Brothers, Atlanta, Ga., cut flowers and plants; Robert Holmes, F. R. H. S., Norwich, England, chrysanthemums; Wagner Park Conservatories, Sidney, O., plants, trees, shrubs, etc.; Joseph Bancroft & Son, Cedar Falls, Ia., plants, seeds and bulbs; Nonne & Hoepker, Ahrensburg, Germany, plants; Otto Katzenstein, Pinchurst, N. C., ornamental plants; Heinrich Henkel, Darmstadt, Germany, aquatics; Soupert & Notting, Luxembourg, Germany, roses; Hasslach & Roumanille, Saint-Remy-de-Provence, France, seeds; George M. Garland Company, Des Plaines, Ill., greenhouse gutters; Hody & Son, Sturgeon Bay, Wis., evergreens and forest trees; Thomas Meehan & Sons, Inc., Germantown, Philadelphia, Pa., nursery stock; V. Lemoine et Fils, Nancy, France, plant novelties.

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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, brass and nicked, with three clasps for 5 to 6-inch pots, each \$1.75.

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ED. AM. FLORIST:—Where the coils are lower than the bottom of the boiler, which is the best method of returning the condensed water, by a pump and receiver or a trap? What pressure is necessary to operate a trap and can it stand on the ground and receive the drainage from the pipes by gravitation or must it occupy an elevated position? What make of trap is most satisfactory? F. C. C.

For small ranges a steam trap will give good results and will require less attention than a steam pump. Traps are made to work at various pressures, but they do best when the pressure is not less than six or eight pounds. They should be located where they will receive the water from the coils by gravity. Quite a number of the low pressure traps will give good satisfaction. The Moorhead trap, made in Detroit, and the Albany steam trap, advertised in these columns, would do good work.

L. R. T.

Minneapolis, Minn.

Business is back to its normal tread again. Good average trade was enjoyed last week by the retail stores. Funeral orders cleaned up white stock. Tea roses are being cut in medium quantities and colored carnations in such numbers as to cause some stores to make cuts to clean up the surplus. American Beauty roses of all grades, although of limited numbers, were not in any decided demand.

Oscar Amundson, formerly with R. Wessling, has secured a position with the State Nursery Company, Butte, Mont.

Will Desmond has the cut flower department of Wm. Donaldson & Company in charge.

Ralph Latham has purchased an up-to-date delivery wagon. C. F. R.

Lenox, Mass.

At the meeting of the Lenox Horticultural Society, March 5 there was a good display of orchids. W. D. Sloane, Elm Court Farm, G. T. Philcox, gardener, was awarded a certificate for a center piece of orchids, a cultural commendation for *Dendrobium Wardianum*, a cultural commendation for *Lælia Jongheana* and a diploma for a white form of *Dendrobium crassinode*. J. Sloane of Wyndhurst, A. J. Loveless, gardener, was accorded a vote of thanks for *Cœlogyne cristata*, *C. cristata Lemoni* and *C. cristata alba*.

G. F.

LOOMIS, CAL.—The proprietors of the California Carnation Company have sold a half interest to Harry McGowan, of this city, and next year they will double the capacity of their plant for carnations and ferns.

DOBB'S FERRY, N. Y.—The regular meeting of the Dobb's Ferry Horticultural Association was held February 27. A prize for the best flowering plant grown in not more than a 6-inch pot was awarded to C. Wilson for *Primula obconica*. It was decided the exhibition June 14 shall be free to the public and all exhibits shall be sold and the proceeds given to the Dobb's Ferry Hospital Association. J. B.

Standard Flower Pots

The WHILLDIN POTTERY COMPANY,
 PHILADELPHIA, PA. JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.
 Travelling Representative, U. CUTLER RYERSON, 108 Third Ave., Newark, N. J.
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FLORIST Plain, Violet, Rose
FOIL MADE BY
 The John J. Crooke Co.
 155 Ave. D, NEW YORK. 149 Fullon St., CHICAGO.

Kramer's Pot Hangers



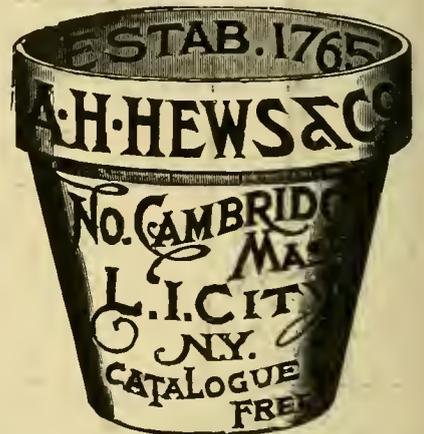
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THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

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- C. C. Pollworth Co., Milwaukee, Wis.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa.
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 FULL SIZE AND WIDE BOTTOMS.
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 DETROIT FLOWER POT 'N'Y,
 HARRY BALSLEY, DETROIT, MICH.,
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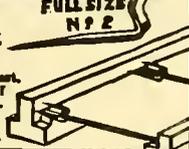
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QUICK SHIPMENTS.
LARGE STOCK.

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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.

Please mention the American Florist to advertisers.

St. Paul.

Trade continues very good with the help of lots of funeral work. Stock is about plentiful enough to go around, excepting greens. Bulbous stock, which is usually plentiful, is now being held back. Easter lilies are being sought by smaller out-of-town growers who have not had the facilities for forcing them for the early Easter. A good many of the growers here are having the hardest kind of a pull to get their lilies in, but if the weather is at all favorable the most will come in all right.

Mr. Graver, of Fargo, North Dakota, passed through St. Paul Sunday on his way to take unto himself a helpmate. We extend our congratulations to Mr. Graver.

Robert Topel, who has had charge of E. F. Lemke's University avenue houses, also has a position with L. L. May & Co.

Wm. Speth has accepted a position with L. L. May & Co., where we all wish him success.

Gust Colberg lost nearly everything in his home by fire recently.

Recent visitors were Messrs. McHutehison, Van Zonneveld, W. E. Pera and H. E. Philpott, of Winnipeg. O.

Made Her Own Bargain.

There were three of them, and they were charming young things of the matinee girl variety. They had bright eyes and rosy cheeks, and they were all talking at once, as is characteristic of their type. A Greek florist poked a bunch of violets under the nose of the prettiest.

"Fina violet," he cooed. "Looka nice on lady dress."

"They are pretty," said the young thing. "How much?"

The Greek smiled with courtly grace. "To lofly lady a-twentia cent."

"Three for seventy-five?" asked the girl with lightning calculation.

"Three for a-seventy-five if my lady say so," said the Greek with humility.

The bargain was clinched, and the three young things were arranging the blossoms among their furs when one, who had been wearing a puzzled expression for a few minutes, suddenly said:

"Ruth, it oughtn't to have amounted to seventy-five cents. Didn't he say twenty cents apiece?"

There was an awful silence while the three young things laboriously worked the problem out in mental arithmetic. Then Ruth, with her cheeks all aflame, turned to the smiling Greek.

"You've overcharged me," she said. "It ought only to have been sixty cents."

But the Greek's smile only broadened. "The lady mada her owna bargain," he said with a Chesterfieldian wave of his hand.

Which being quite true, the three young things had nothing more to say; but somehow, quite suddenly, as it were, all the sweetness had gone from the flowers. —New York Times.

It is Jacob A. Riis who, in "The Making of an American," tells about the firemen desirous of honoring the dead reporter, but being obliged through press of time to leave it to the florist, found themselves on the solemn occasion face to face with a large wreath bearing the legend, "Admit Within Fire Lines Only."

A MAN uses flowery language when he calls another an idiot.—Chicago Daily News.



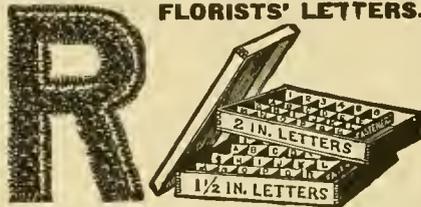
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" 3.	4x 8x18.....	2.50	23.00
" 4.	3x 5x24.....	2.75	26.00
" 5.	4x 8x22.....	3.00	28.50
" 6.	4x 8x28.....	3.75	36.00
" 7.	6x16x20.....	5.50	54.00
" 8.	3x 7x21.....	3.00	28.50
" 9.	5x10x35.....	6.50	62.00
" 10.	7x20x20.....	9.50	67.50
" 11.	3 1/2 x5x30.....	3.00	28.50

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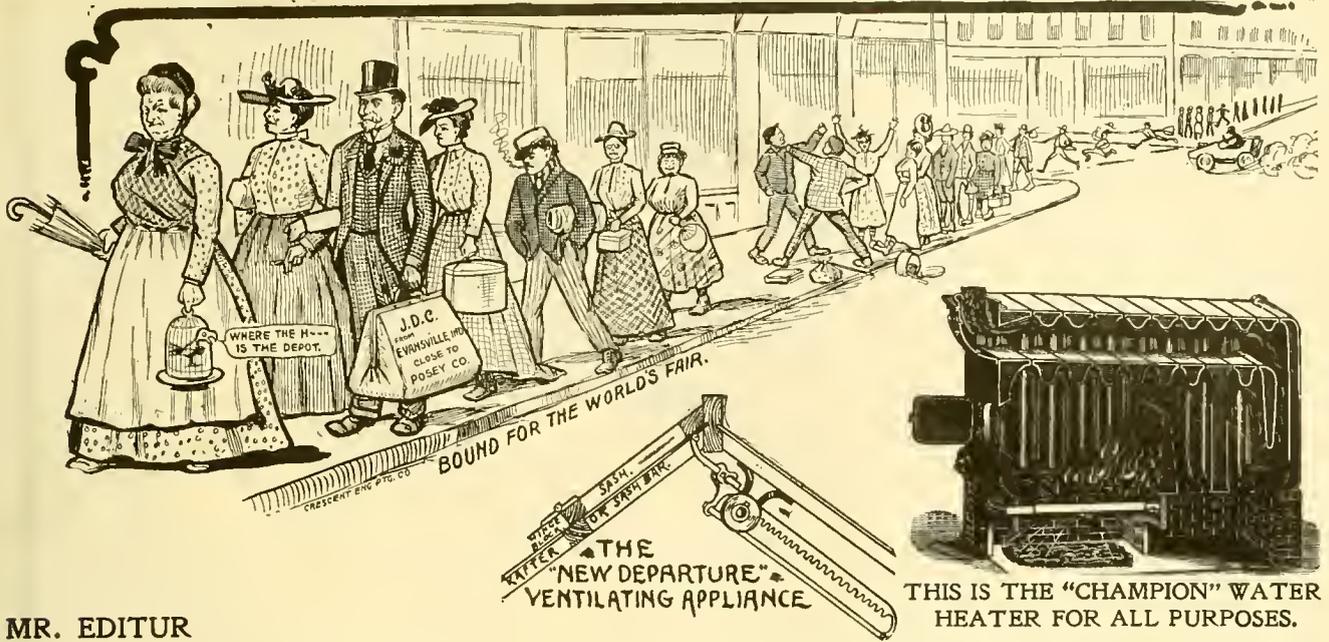
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MR. EDITUR

i hev set mi Pins tew spend this sumer tew the Sante Lewis Worlds Fare with mi fambly. So i got the hul Push lined up an had ther Pictur tooken so my Florist frenz wood no us wen we meat. i haint got But 18 Kids—tother ones dont belong tew me. Mi mother-in-law insisted in leadin the pursesshin, not huntin fur a Skrap i let het hav her wa, an she ways a lot yu kin bet. She an Semantha jane—thats mi wife—make things purty lively fur me at times. Now az u no it wil kost me a pile uv munity tu take this gang down the Pike So i wil sel my KOLE SAVIN BILER, MEAT SAW VEINTILATIN KONTRAPSHINS an EVERLASTIN SASH HINGE real cheap. Tel awl the Florists tew send fur mi Kat-alog. Mi name iz J. D. CARMODY, an i liv in Evansville, Ind., witch is Klose tew Pozey Kounty.

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6 x 8 to 10 x 15..... B. D. \$2.75 A. D. \$2.80
 11 x 14 to 14 x 20... " 2.85 " 3.05
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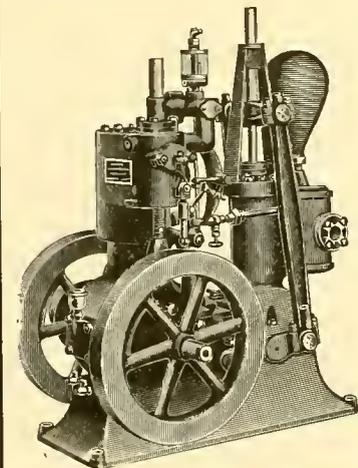
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WOBURN, MASS.—Adam Foster, forcing house.

COOPERSTOWN, N. Y.—Mrs. H. C. Potter, conservatory.

EVANSVILLE, IND.—J. Niednagel two houses, 30x100 feet.

The Window Glass Market.

New York.—The window glass market presented a listless appearance throughout the week and the transactions for the week have been extremely light, says the Oil Paint and Drug Reporter. Prices, however, are firmly held, but are nominal. The statistical position of the market is strong, and owing to the light available stocks throughout the country the general feeling among the jobbers here remains firm, but despite this fact, there is still a marked indisposition shown by them to make large purchases. Unfavorable rumors have also checked business, and as manufacturers, according to reports, refuse to name a price until all orders for their glass are in, the feeling among New York people is rather uncertain regarding the future. It is claimed that only about one-half of the glass factories are turning out glass, which is the only favorable feature.

Chicago.—Discussing the general conditions, a prominent dealer said: "The extreme cold weather of the last six weeks has interfered materially with the use of glass in the building trade, and, as this is the chief source of consumption, the business has suffered. Despite the slack trade, however, prices are firm. This is due to the light supply on the spot and the fact that stocks at producing points are also very light. The production so far this year has not reached one-half the quantity turned out in the same period last year. In addition to this the carry over since the factories closed last fall was less than the normal. The present selling price in the Chicago market is actually less than it costs to make new glass, and the fact that prices here are low is due entirely to the lack of demand. Under normal conditions of demand the present supply of glass would not last three months, so that unless there is a considerable increase in production in the next thirty days there is going to be a scarcity of glass not only here but in other sections of the country."

BOOKKEEPING and account forms for same by R. F. Tesson, as read at the Milwaukee convention has been printed in pamphlet form by the AMERICAN FLORIST and will be mailed FREE on request to any florist. Employers may have extra copies to distribute among their employes. The address is of much permanent value and well worth the study of our young men.

Easter eggs and Japanese war



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and never bad, the*
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MATERIAL.**
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write for our FREE CATALOGUE
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*CHICAGO -
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ADVANTAGES NOT POSSESSED BY ANY OTHER STYLE.

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This style of construction has the endorsement of many prominent growers. Let us give you an estimate; the figures will be so low and the work so good, that you will be pleased. If you intend building ask for our new Catalogue. It will interest you.

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Price per crate	Price per crate
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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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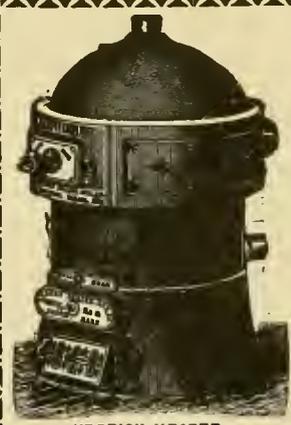
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THE AMERICAN FLORIST



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

Vol. XXII.

CHICAGO AND NEW YORK, MARCH 26, 1904.

No. 825.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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Entered as Second-Class Mail Matter.

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AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass., 1905. LEONARD BARBOX, 136 Liberty St., New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November 1904. FRED H. LEMON, Richmond, Ind., secretary

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AMERICAN ROSE SOCIETY.

FIFTH ANNUAL MEETING, PHILADELPHIA, PA, MARCH 22-23-24.

Boston Chosen for Next Meeting Place.



The annual meeting of the American Rose Society was called to order at Horticultural Hall, Philadelphia, at 3 o'clock p. m. on Wednesday, March 23, by John Burton, who held credentials therefor from the president and executive committee. About thirty members were present. Secretary Barron read the minutes of the preceding session, and explained that Treasurer J. N. May was absent in Florida and his report had failed to arrive thus far. On motion, the executive committee was instructed to take charge of the report on its arrival. The secretary's report showed slight gains in membership and corresponding losses. He urged the desirability of issuing periodical bulletins, the appointment of special committees for forwarding the society's work and the assumption by the society of the duty of registering new roses. One death was reported, that of E. G. Asmus, one of the founders of the society. The secretary reported the award of medals through the Annandale rose show, Lenox Horticultural Society and Dutchess County Horticultural Society. After the acceptance of the secretary's report it was voted, after a lively general discussion, to open a department of registration on lines similar to that of the American Carnation Society. The chairman, in conjunction with the president, was authorized to appoint standing committees on schedule, publications and the award of medals to local societies.

Invitations were then presented from the Massachusetts Horticultural Society and the Gardeners' and Florists' Club of Boston to hold the next meeting in Boston. A similar invitation came from the Chicago Florists' Club urging the claims of that city and from J. A. Valentine on behalf of a special committee appointed by the American Carnation Society to invite co-operation in a joint meeting and exhibition at Chicago next

year. Wm. J. Stewart took the floor in favor of Boston and was followed by H. A. Siebrecht favoring both claimants and Robert Simpson endorsing Boston's candidacy, and upon motion of Edwin Lonsdale a ballot was cast by the secretary expressing the unanimous choice of Boston for the meeting of 1905. A scene of enthusiasm followed, during which a large number of gentlemen, including Messrs. Nugent, Hammond, Montgomery, Breitmeyer and Siebrecht, made voluntary offers of a number of valuable special premiums to be entered on the forthcoming schedule, and the secretary was instructed to take steps to secure as many more as possible in the same line. After a vote of thanks to Chicago and the Carnation Society for their invitations, F. L. Moore of Chatham, N. J., was presented and proceeded to read the paper by L. H. Martin, which appears in another column of this paper, Mr. Martin being unable to be present. In the discussion that followed, Dr. Huey applauded the Lord Penzance Sweetthriars and several of Dickson's novelties, and characterized Reine Marie Henriette as the crowning variety among the climbing roses.

The next thing on the programme was a discussion on grafting, opened by Robert Simpson. This much-debated question took on something of its old fire and brought the old warriors to their feet in rapid succession. Mr. Simpson told of the various experiments in grafting tea roses which he had been carrying on for a number of years, and a few things he had found out. He admitted that the question of the advantages of grafted over own-root stock was still an open one. For himself, although it is cheaper to grow from cuttings, he had found that many of the most important varieties are decidedly improved by grafting on suitable stock. These he listed as in that class: Bride, Bridesmaid, Golden Gate, Ivory, Testout, Kaiserin, Carnot, Liberty and Meteor, he said, were not always successful under either method, and as to Morgan, Perle and American Beauty, they don't take kindly to any stock he has ever tried them on. He mentioned, as special

results of grafting, increased vigor, a remarkable precociousness in blooming and practical immunity from eel worm and similar pests. He had tried for stocks *Rosa canina*, polyantha, multiflora, multiflora Japonica, cinnamomea, rugosa, rubiginosa, La Griffiere, setigera, lucida and Manetti, but the latter had in all cases demonstrated its superiority. Multiflora makes a good stock but has large fleshy roots in which eel worm luxuriates; canina, popular in England, is not practical here because of the requirements for continuous growing; polyantha and others all have the same tendency to go dormant in winter. He has a California variety now under test which shows even greater winter vigor than Manetti, and it may prove valuable. All Manettis, he said, are not equally good, some—especially the French—being very unreliable and often mixed up with La Griffiere. Replying to a query he said that good, strong, well rooted stock is impossible with a thinwooded species like La Griffiere.

H. A. Siebrecht submitted that the necessity of getting strong wood for scions as compared with the small stuff often used for cuttings is responsible in part for the superiority of grafted roses. Golden Gate he preferred not grafted. He agreed with Mr. Simpson's strictures on French Manetti. James Scott concurred with Mr. Simpson, and stated that in a recent extended tour of the gardeners along the Hudson river he did not find half a dozen Bride or Bridesmaid houses, grafted, that were not good, nor half a dozen ungrafted that were creditable. He called attention to the fact that

grafted roses enjoy a cool temperature, say 56°, need more soil and will stand more feeding than others. Carnot and Kaiserin he had seen superb all through the winter when grafted.

A. Fahrenwold testified that he saw but little advantage in grafted roses. Bride and Bridesmaid had given him better results on own roots and Liberty was decidedly an own-root rose with him. Under his method of treatment he got too many suckers when Manetti was used, and further he found them disposed to go to sleep in winter. He attributed most of the failures in stock on own roots to insufficient care in the selection of good wood for cuttings. He admitted that when eel worm is present grafting may be a necessary resort or else "the rose will get the yellows and the man the blues."

Antoine Wintzer reverted to his experience with grafted roses forty years ago. He said he was not an advocate of grafting but of good propagation as the main requisite, and suggested that a better stock than Manetti should be sought and may yet probably be found among some of the hybrids of multiflora and Wichuraiana. Mr. Simpson claimed that even with careful wood selection cuttings can never equal grafts. As to Golden Gate he can get good blooms from grafted plants fully a month earlier, and he doesn't get so many of those long rank shoots with two leaves to three feet of stem.

Patrick O'Mara detailed some of Mr. Henderson's early exploits with grafted material, and regarded the certainty of getting early results so that his roses

could be thrown out in February as his motive in favoring the planting of such. Immunity from eel worm seems to be the dominant factor in the present general use of grafted stock, and another good result of grafting is the guarding against eventual deterioration in quality of stock through long-continued propagation. This latter proposition Mr. Simpson and others declined to endorse, however.

Election of officers was the next thing in line. Nominations were made as follows: President, Alex. Montgomery, Natick, Mass.; vice-president, F. R. Newbold, Poughkeepsie, N. Y.; treasurer, John N. May, Summit, N. J.; secretary, Leonard Barron, and Alex. Wallace, New York. Mr. Wallace withdrew his name, and on motion the chairman cast the unanimous ballot of the society for the remaining candidates as officers for the ensuing year. In the same manner P. Welch, Boston, and John Burton, Philadelphia, were elected to serve on the executive committee.

Mr. Myers, of Myers & Samtman, called attention to the disqualification of certain exhibits because of inaccuracy in count in the exhibition, and asked whether some discretion could not be given the judges in such cases. Referred to the executive committee. After a vote of thanks to Chairman Burton for his ability in wielding the gavel, the meeting adjourned at 5:45 p. m.

The Exhibition.

The combined exhibition of the American Rose Society and Pennsylvania Horticultural Society, opened on Tuesday evening, March 22, under favorable auspices. The hall was well filled with exhibits but mostly those of the Horticultural Society as the display of roses, with the exception of some grand vases of American Beauty, was disappointingly small. Benjamin Dorrance, of Dorrance-town, Pa., was expected with a collection of his new ones, but sent word that he was afraid to leave home on account of the rise in the Susquehanna river which threatened his place. Philip Breitmeyer, of Detroit, Mich., arrived but his roses were eight hours late and neither these nor other western exhibits could be passed on by the judges. The vases of American Beauty, seven in all of fifty flowers each, were grand and as fine as any ever exhibited here before. The judges must have had a hard job deciding as the various exhibits were so even.

The vase of Queen of Edgely from Myers and Samtman, Chestnut Hill, Pa., was if anything finer than the Beauties and was much admired. Two vases of Liberty, shown by A. Fahrenwold, Roslyn, Pa., were fully up to his high standard and were one of the features of the rose tables.

There was a vase of General MacArthur from John N. May, of Summit, N. J. The flowers were of good form and color with long stems. It is said to be very prolific and easy to grow.

The seedlings of John Cook of Baltimore attracted considerable attention from the growers. His Enchantress is a beautiful shade of pink, resembling closely in shape of flower and stem one of its parents, Madame Testout. Cardinal is a good red, the flower being large and well formed with a stiff stem. A new seedling white is beautiful, being of good size and as white and perfectly formed as anything now on the market. In point of color it is in advance as it is the purest white to the very center. It is said by Mr. Cook to be a shy bloomer



JOHN COOK'S NEW ROSE, CARDINAL, AT THE PHILADELPHIA EXPOSITION.

and does not make much wood. It is a hybrid tea. This is a great pity as it would be ideal if as free as other popular kinds.

Jacob Becker of Philadelphia made a nice exhibit of roses in pots. They were well flowered and there was a good assortment of varieties.

In the main hall William C. Graham of Philadelphia had erected a sort of pagoda in which were displayed a number of Easter baskets of plants and cut flowers. Surrounding this were exhibits of *Primula stellata*, which were exceedingly fine.

H. A. Dreer of Philadelphia staged a group of new plants prominent among which was a magnificent specimen of the Golden Pandanus.

John Scott, of Brooklyn, N. Y., exhibited specimen plants in various sizes of his new dwarf Boston fern. This is a very distinct sport and we believe is a valuable addition to this family. It makes a plant that is full and compact in any size from 3-inch pots up. There were choice specimen geraniums, finely shaped but on account of the dull weather very short of blossoms.

Louis A. Dupuy, of Whitestone, L. I., made a display of choice ericas, the varieties being *E. persoluta*, *E. perspicua erecta*, *E. cupressina*, *E. amabilis*, *E. perspicua nana*, *E. translucens mamosa intermedia* and *E. Cavendishii*. *Hydrangea paniculata hortensis rosea*, a bright pink variety, was very attractive and received a certificate of merit. A blue variety called *azurea* was very pretty.

K.

Report of the Judges.

The awards made for the exhibits of the American Rose Society are as follows:

TEAS AND HYBRID TEAS—DIVISION A—TWENTY-FIVE BLOOMS.

American Beauty (stems not to exceed four feet)—Myers & Samtman, Chesnut Hill, Pa., first; Briarcliff greenhouses, Scarboro, N. Y., second.

Queen of Edgely.—Myers & Samtman, first; no second.

Bride.—John E. Andre, Doylestown, Pa., first; Stephen Mortenson, Southampton, Pa., second.

Bridesmaid.—George Anderson, Philadelphia, Pa., first; Stephen Mortenson, second.

Golden Gate.—Robert Simpson, Clifton, N. J., first; John Burton, Chestnut Hill, Pa., second.

Liberty.—Adolph Fahrenwold, Hillside, Pa., first; no second.

Sunrise.—Myers & Samtman, first; no second.

DIVISION C—TWELVE BLOOMS.

(Open to growers having not more than 20,000 feet of glass in roses.)

American Beauty (stems not to exceed four feet)—William Kleinheinz, gardener to P. A. B. Widener, Ogontz, Pa., first; no second.

Bride.—Samuel Batchler, gardener to C. B. Newbold, Jenkintown, Pa., first; Wm. Kleinheinz, second.

Bridesmaid.—Samuel Batchler, first; Wm. Kleinheinz, second.

Mrs. Oliver Ames.—No first; Wm. Robertson, Jenkintown, Pa., second.

HYBRID PERPETUALS—DIVISION D—TWELVE BLOOMS.

Magna Charta.—No first; Geo. Morrison, gardener to Mrs. Henry B. Jacob, Baltimore, Md., second.

DIVISION E—TWELVE BLOOMS.

(Open to private gardeners and ama-



JOHN COOK'S NEW PINK ROSE ENCHANTRESS.

teurs only.)

Magna Charta.—No first; Geo. Morrison, second.

GROUPS, POT-PLANTS AND SPECIAL DISPLAYS—DIVISION F.

Group of roses in pots, six varieties, and covering twenty-five square feet of space—Jacob Becker, Philadelphia, first. The first prize for this, a silver cup, was presented by James W. Paul, Jr., President of the Pennsylvania Horticultural Society.

Six plants in pots, any one variety—No first; Joseph Hurley, second.

Fifty blooms American Beauty (the executive committee's prizes).—Briarcliff Greenhouses, first; John Burton, second.

Any variety, American Beauty and Queen of Edgely excluded, fifty blooms.—Adolph Fahrenwold, first.

Display of roses in pots, twenty-four plants, in not over 8-inch pots.—Jacob Becker, first. Trophy, a silver cup, presented by Dingee & Conard, West Grove, Pa.

SPECIAL PRIZES.

Collection of foliage plants—H. A. Dreer, Philadelphia, Pa., a silver medal.

Pair of large kentias.—Joseph Hurley,

gardener to J. W. Paul, Jr., Radnor, Pa., a silver medal.

Collection of bulbous plants.—Joseph McGregor, gardener to Edgar T. Scott, Landsdowne, Pa., special mention.

Chrysanthemum segetum.—James Bell, gardener to Misses Vanuxem, Chestnut Hill, Pa., special mention.

Hydrangea hortensis rosea.—Louis A. Dupuy, Whitestone, L. I., certificate of merit; also special mention for ericas.

The Banquet.

The complimentary dinner to the American Rose Society and visitors to the exhibition Wednesday evening was a great success. It was given in the Florists' Club room, which was suitably decorated for the occasion. W. B. Smith, the genial ex-mayor of Philadelphia, was toastmaster, and was at his best, so that those who have attended similar functions in this city in the last few years know what a treat those present enjoyed.

Mr. Siebrecht responded to "The Rose Society" and spoke of the future of the society and the good it might do if all worked intelligently. He predicted a

great meeting in Boston next year under the leadership of President Montgomery. Otto Thilow made what he called his maiden speech as a debutante. His toast was "Horticulture," and he predicted that if we progressed as much in the next fifteen years as we had in the past, there was no one could predict the advancement that would be then shown.

Robert Craig spoke on "The Rose," and said there is nothing more lovely than the rose, all the associations of the flower being pleasant. He spoke of how useful such an organization as the national society could be made, referring to the great success achieved by the sister association of England. He thought it would be wise to issue bulletins and pamphlets on culture and varieties of the rose and encourage amateurs to join. He predicted a great meeting in Boston, as President Montgomery, who has glorified the rose, would stir up enthusiasm and the success of the exhibition and meeting was assured. The invitation to Boston was also emphasized by W. J. Stewart, who said he had gotten tired answering to the toast of the "Horticultural Press." It was no longer a novelty, having grown from a single sheet, bi-monthly, to some half dozen weekly publications, and there was no sign of the limit having been reached. He predicted a great meeting in Boston next year.

W. K. Harris made some witty remarks about his toast "Ourselves," and said there were no two alike. Mr. Harris was in good humor and appears younger as the years roll by. Patrick O'Mara made a fine speech to the toast, "The Twentieth Century." He said it was a healthy youngster, and had already done great things for a four-year-old. With the aid of schools, experimental stations and other educational lines, he looked forward to the time when results will be reached that are not now dreamed of. He had heard recently of a fluid that an inventor injected into cut roses that would make them keep a month. He thought this would do about Christmas time, but he left it to his hearers to believe as they liked about the possibility of the thing. He said for his part he would still tie to the Montgomerys, the Simpsons and other gentlemen in their line for his supply.

Benjamin Hammond, of Fishkill, N. Y., held up his end of the slug-shot question in a short, witty speech. Mr. Langjahr was asked to speak for the commission men, and Mr. Smith said he was a wonder, as he had both his hands in his own pockets, which was not generally the reputation of the profession. President Montgomery, of Boston, gave a pressing invitation to all present to come to Boston next year and see a show that he felt sure would astonish them.

John Burton handled his toast in an able manner, speaking of the noted growers who might have been there and what they were doing for the rose. He referred feelingly to those who would never meet with their fellows again, mentioning Messrs. Asmus, Wood and Cartledge, and holding them up as examples to the young men present as ideals. Edwin Lonsdale sang "The Brave Old Duke," and the party finally broke up with "Auld Lang Syne."

Roses For Hardy Gardens.

BY L. A. MARTIN, GREENWICH, CONN.



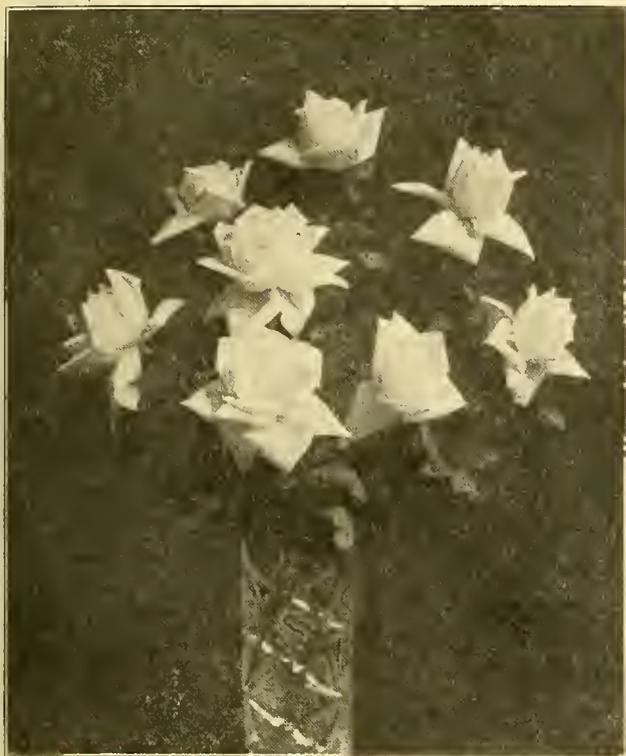
In this short paper on "Roses for Hardy Gardens," I will not attempt to enumerate all the species that are now cultivated, but will confine myself to a few well known varieties of merit and of different species that have proved themselves perfectly hardy and suitable for all purposes for which they are best adapted, omitting with but few exceptions, the hybrid perpetuals, tea scented and other varieties of so-called florists' roses. Many species other than the above named are so little known as to be little appreciated; I refer to our so-called wild roses and their hybrids, which are equally as suitable for the decoration of the hardy gardens as their more queenly sisters. Their ease of cultivation and adaptability to grow to perfection in many different kinds of soils, high or low, light or heavy, is a recommendation. They will readily respond, however, to a better treatment and they ought to be more generally planted. If a proper selection of varieties is made they can be had in bloom from May to November, and not only are their flowers beautiful, but their bright colored fruits, which succeed the flowers in many kinds, will adhere to the plant until new growths start in the spring.

One of the greatest differences from other roses is that the flowers of the wild species are single, but many of the hybrids are semi-double. They will need less care and attention when well established, a little thinning and shortening of the branches and the cutting of the dead wood once in a while is all they require; they are also less subject to insects and fungus than other garden roses, and so varying in growths that there are many different ways that they can be used advantageously. *Rosa rugosa*, a Japanese species, flowering in June, is one of the handsomest in cultivation. It forms a sturdy and erect bush about four feet high, with handsome, glossy foliage and produces ten or more flowers in a cluster. Its orange reddish fruit is very ornamental and should be in every collection. I think this rose could be used advantageously in forming hedges, cut to keep the required shape. Other forms of this variety equally as useful for many purposes are *R. rugosa alba*, pure white; *America*, crimson; *Blanc Double de Coubert*, white semi-double; *Mme. Charles Worth*, red purple; *Mikado*, crimson semi-double; *Calocarpa*, soft rose, with pretty fruit; *Coruscans*, clear pink, distinct; *Georges Bruant*, white, double and very fragrant, and others.

R. Carolina (Swamp rose) has flowers rose colored in June, is about four feet high and fine for low and wet ground. *R. canina* (Dog rose) is a British species, forming large, erect bushes, with cup shaped blossoms appearing in June, changing from white to deep rose. Many fine hybrids have been obtained from this



ROSE GENERAL MacARTHUR.



Seedling No. 115.



Seedling No. 150.

TWO NEW ROSES OF JOHN COOK, BALTIMORE, MD.

species. *R. centifolia* (Provence rose), in height from three to six feet is very sweet scented and has rose purple flowers in June. In July these are succeeded by fragrant fruit. *R. muscosa* is well known as the Moss rose. *R. ferruginea* is a tall growing species with flowers a deep red in August and fruit purplish red. *R. lucida* is an American species, two feet tall, with red flowers from May to July and deep red fruit. A variety of this rose with double flower is "flore pleno." *R. arvensis* or *repens* has white flowers in June and is fine for covering rocky and gravelly hills. Varieties of this are Queen of Belgians, creamy white, double, and Splendens, flesh colored, the bud crimson. *R. rubiginosa*, Sweet Briar, is a very fragrant wild rose which flowers in June, is pink and excellent for hedges, growing tall. Hybrid sweet briar or Lord Penzance roses, which are crosses of the common Briar with garden roses, are very vigorous and hardy plants, very sweetly scented. The flowers are single or semi-double ranging in color from pale yellow to crimson. There are about fifteen varieties of this popular rose, and all worthy of a place in hardy gardens. *R. setigera*, the Climbing or Prairie rose, native to North America, has stems of fifteen to twenty feet and flowers of deep rose, changing to white, in July. The fruit is red. A favorite variety of this is the well known Baltimore Belle. In *R. Wichuriana*, the Memorial rose, another Japanese variety of great merit, we have a very useful flower, valuable for its keeping qualities, also for climbing low trellises, traveling over rocky slopes, gravelly embankments and growing where other roses could not live; some of the best hybrids are Gardenia, yellow to cream, Evergreen Gem, one of the very best for its foliage, flower yellow to white, and Universal Favorite, large, double fine rose pink, very fragrant. This paper would not be complete

without mentioning the climbing varieties of hardy roses of which we have plenty of distinct colors and types to suit everyone and which are more and more used every year. They can be employed for ornamentation on many parts of the garden, where other kinds of plants would not be so effective and conspicuous. This class of roses must be trimmed sparingly, cutting only the laterals back to one bud and preserving only the strong shoots to the height desired. They are unsurpassed for covering old buildings, unsightly walls, old trees, some lonely rocks, trellises, arbors, screens and the much talked about pergolas. Think of the effect that could be obtained with the well known Crimson Rambler for covering the last named if the branches or stems were arranged and tied in festoons on the sides. Many other purposes can be found in using this favorite climber to advantage. Other varieties of this popular rose and equally as beautiful are Aglaia, pale yellow; Claire Jaquire, nankeen; Electra, yellow; Euphrosyne, pink with white centre; Psyche, rosy pink and crimson; Thalia, white semi-double, without forgetting Philadelphia Rambler, pegged down and growing as a trailer. In standard or bush form they are equally desirable and in this way will add much diversity and color to their environments.

A magnificent climbing rose, not often seen as yet, is Paul's Carmine Pillar, with its bright, rosy carmine, large single flowers. It does not grow as tall as other varieties, but will grow perfectly well against the north side of a building or wall, a very free grower and bloomer. Other varieties found perfectly hardy and of different species are Queen of the Prairies, deep rose and vigorous grower, Russell's Cottage, dark crimson, very rapid grower. Climbing Clothilde-Souper, pure ivory white. Many others of either bushes or climbing varieties of

hardy roses could be added to the foregoing, and useful in some way or other for the embellishment of the hardy garden, as there will always be found some part of it where something is wanting, and where a bush, trailing, pillar or climbing rose would be just the thing.

New Rose General MacArthur.

This rose which the Storrs & Harrison Company and J. N. May are about to introduce to the trade gives promise of filling a very useful place as an easily-managed, freely-responsive and popularly acceptable variety. No grower in America is better qualified to judge as to the prospective value of a rose in the cut-flower market than the discerning introducer of The Bride and Mrs. Morgau and the unqualified endorsement of a man so cautious as Mr. May will go a long way toward inspiring confidence in the new comer, from the start. As seen growing at Summit, the rose is exceedingly vigorous and free. The foliage is ample and glossy and there is an abundance of those strong wine-red young shoots which always appeal to the rose grower. That it is thus perfectly at home in the same house with Bride and Bridesmaid will especially appeal to those growers whose limited space will not permit of giving a special house and special treatment to one variety. The color of the flowers is what Mr. May aptly terms the true Christmas color, brighter than either Liberty or Meteor. Its only apparent fault, short centre petals, causing a flatness in the expanded flowers is not without advantage for it precludes the possibility of "bull-heads," the almost universal failing of crimson varieties. There are characteristics about it that strongly suggest its adaptability for pot culture for Easter sales. Its fragrance is equal to that of Gen. Jacqueminot. See page 378.

Two New Roses.

In the opinion of many good rose judges John Cook's two new varieties, Cardinal and Enchantress, give promise of taking place among the established commercial roses for cut flower production. The rarity of American seedlings of standard merit makes Mr. Cook's services to floriculture all the more conspicuous. It is interesting to learn that each of these roses is the product of twenty years' devotion to rose hybridizing, Cardinal being the product of Liberty hybridized with an unnamed carmine seedling in the third generation, and Enchantress being a third generation seedling also, its parents being Mme. Testout and an unnamed seedling. In the case of Enchantress, its best qualifications are its beautiful clear unfading pink color and its freedom from blind wood, flowers coming from every growth. It is a steady bloomer from October till April, and the flowers shown in Philadelphia on March 23 were as good as those shown in midwinter. Cardinal is a very strong grower with a heavy flower. Mr. Cook hopes to get one yet that will be brighter in color, however. Its fragrance is very strong and sweet. It is at its best in December, January and February, but in fall and spring it is liable to give rather short stems. It has proved practically hardy in Baltimore, excelling Testout in this respect. See pages 376, 377.

New Rose Houses at Fahrenwold's.

The accompanying illustrations are from photographs of an additional range of houses for Liberty roses erected last summer for Adolph Fahrenwold at Hillside Station, Pa., by the Lord & Burnham Company, which present some new features. There are eight houses in the block, each 16½x150 feet. Iron posts support the cypress gutters, which are six feet and six inches high. The ridge pole is ten feet from the ground. The rods of iron hold the gutters together and stiffen the houses so that there is no need of center posts. The glass used is 16x20 and the ventilators are 30 inches by 8 feet; this gives ventilation over each two beds. The roses are planted in the ground which has not been especially arranged except that one 3-inch common drain tile is run down the center of each bed about six inches below the surface.

Mr. Fahrenwold has been very successful with the Liberty rose and his place has

become quite a Mecca for the growers. He is always glad to see visitors and pleased to show them about. The older portion of the place is mainly planted with Beauty roses which Mr. Fahrenwold seems to handle with equal success.

K.

Pot Roses.

At this time of the year (January 30), when one's mind begins to turn to thoughts of brighter days, and with the coming of spring the beginning of the rosarian's year, some of your readers who have a cool greenhouse, but who have not turned it to any specific purpose, may be interested to know how easy it is to have roses some weeks before those in the garden gladden one's gaze, says a correspondent of the Gardening World (English). I have found the best plan is to buy plants from the open in the autumn; it is really not too late now, but a few already in pots, maybe, would be more successful now.

In potting roses be sure that the material they are potted in is good, and a little sand on the surface will aid the drainage. All new plants must be close-pruned in January to two or three eyes and brought a little nearer to the light, always watching for frosts and being careful as to amount of water given. The buds will soon be seen to swell, and by the end of February the plants will, if the greenhouse occupies a good position, be in full leaf, and pretty indeed is the early foliage of roses.

About this time greenfly may be found rather troublesome, but this can easily be kept in check by removing whenever seen by a gentle pressure of the thumb and first finger. A little weak soot water when the plants are bursting into leaf both improves the color of the foliage and purifies the soil. As the flower-buds begin to swell a little artificial manure is very helpful toward perfect blooms. By the end of April and beginning of May beautiful roses will be the result of this treatment, and a more interesting four months could hardly be imagined, always watching, always busy, as so much depends on the manipulation of the plants to obtain all light and sun possible.

A few of the varieties I have found most suitable in pots are: Mrs. W. J. Grant, Caroline Testout, Duke of Edinburgh, Papa Gontier, Liberty (a good rose for pots), K. A. Victoria, Frau Karl Druschki (the grand new white H. P.), White

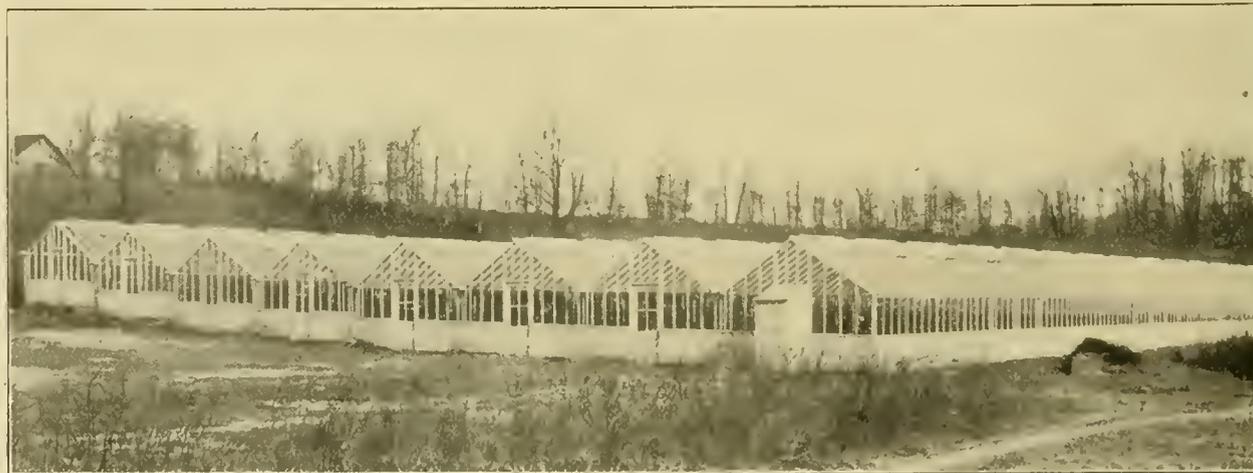
Maman Cochet, Maman Cochet, Nipetos, Beaute Inconstante, Perle de Jardins, and last, but not least, the fragrant and beautiful Souv. de Catharine Guillot. The small polyantha roses also are very useful and pretty in pots. When finished blooming they should be turned out to ripen their wood in a shady spot in the garden, to be brought in again in the autumn. This method I have found both simple, interesting and very successful, and to get lovely roses in an unheated house in the month of May is a great pleasure indeed.

New Dwarf Crimson Rambler Rose.

This is a cross between Crimson Rambler and Gloire des Polyantha, says Moller's Gartner-Zeitung. It is a rose of the first rank and everything that could be desired from a dwarf everblooming Crimson Rambler. The growth is strong and the plants attain a height of 20 to 25 inches. The foliage is a bright dark green and is not so subject to mildew in hot summers as the parent. The color of the flowers is a brilliant red, a trifle more carmine than the Crimson Rambler, but differing very little from it. The buds, which are counted by hundreds, appear very early and are continuously replaced by new shoots throughout the summer until frost. A bed of these roses is a dazzling sight, and at Mr. Levavasseur's place the space devoted to these roses looked like a field of red poppies. Young August grafts bloom abundantly in a few weeks. The hardness of the dwarf polyantha is well known. The Mme. Norbert Levavasseur requires only a light dressing of pine needles, though it is advisable to give first a covering of extra soil. Another valuable quality of this new plant is that it furnishes a good, brilliant forcing rose most suitable for sale in pots and its everblooming quality makes it certain to become a popular favorite. It propagates at least as easily as the monthly roses which it will soon rival.

[We understand that Vaughan holds some considerable stock of this rose and that it may now be seen in bloom at the greenhouse establishment of that firm—Ed.]

ADRIAN, MICH.—The Oakwood Cemetery Association, Frank E. Willbee, superintendent, has erected a Lord & Burnham greenhouse, 20x100, and Walter Van Dergrief has been employed as florist.



ADOLPH FAHRENWOLD'S NEW RANGE OF LORD & BURNHAM HOUSES AT HILLSIDE, PA.



LIBERTY ROSES AT ADOLPH FAHRENWOLD'S, HILLSIDE, PA.

THE CARNATION.

ROBERT CRAIG, they say, is it.

ENCHANTRESS is one of those carnations whose exquisite coloring should not be exposed to the hot bleaching glare of the sun. If you would have such varieties to exhibit at their best pick the bloom early in the day.

Caring For Young Plants.

The young plants for planting out are making vigorous growth now and the general routine in caring for them is to be careful that they do not receive too much water or it will very quickly commence to tell on them by the stopping of root action. The plants will then take on a yellow, stunted appearance, developing rust, bacteria and every other disease known to carnation culture besides causing considerable trouble from worms in the soil. If the plants are in flats considerable trouble is sometimes experienced from worms working in the soil and preventing it from drying out as it should do. If this is found to be the case sprinkle some air slacked lime over the soil before watering. This will quickly bring the worms to the top, when they can be readily removed. A very little lime will answer the purpose. It is sometimes the case that the flats are set on soil left in the benches which has been used for other purposes. This is a good breeding place for all kinds of vermin. While it is poor policy to set the young stock on beds in this way yet in many establishments it is sometimes a necessity through rush of business or inability to remove the dirt when the space is needed. It therefore behooves us to fight the evils as much as we can. Before setting the flats or the young stock in pots throw considerable lime over the surface of the old bed, then spread on some clean sand. This will be found to help matters greatly. As most trouble with insects is found when flats are used, a good plan is to shift them around every little while, sprinkling some fresh lime underneath them in so doing.

The young plants will also need topping right along now every few days. You cannot top a whole batch at one time because many will be found more backward than others. Therefore we must go over them often but do not wait until they have made a growth of five or six inches before doing it. As soon as the main shoots show signs of breaking away make a clean cut beneath a junction of the leaves which prevents the main stem from shooting up again. All young stock that is well rooted should be hardened off as much as possible right along from now on. Give lots of ventilation on all favorable occasions and dispense with the artificial heat as much as possible. When it is found necessary to have a little steam on at night put on a crack of ventilation. After the first of April where good, sound cold frames are to hand, the young plants will be greatly benefited by being placed outside, but it will be far better to keep them in the house than to place them in frames where the sash leaks so badly that the plants are continually flooded during a wet spell. The difference in conditions between a cold frame and the inside of a greenhouse makes it necessary that the young plants should be gradually accustomed to it. They should receive plenty of air, but do not keep the sash off long at a time the first few days. After that the sash may be taken off entirely whenever the weather will allow. Particular attention must be taken to guard against cold, drying winds.

If you have a seedling you think enough of to want to increase your stock, or any other variety the stock of which does not amount to your requirements, the surest way to be successful in propagating from now on is to use a hotbed. They will readily root in this. Proceed in the usual manner to make the hotbed, using only fresh horse manure which has been turned over a couple of times and making the depth of manure about eighteen inches, banking up the sides of the frames so the cold cannot penetrate through the boards, as it is likely we shall get frosty nights for a considerable time yet. Besure the manure is made as firm as possible, then let it stand for a day or two to sweat and

see it is well sprinkled with salt to kill the effect of any fungus. Then sand six inches deep, well pounded should be put on. It is then ready for the cuttings. The most important point to figure on in following this method is not to allow the heat of the frame to get above 65° without ventilation. Also be sure and water thoroughly when the cuttings are put in. All they will need after that is frequent syringings unless the weather turns very warm so the sand becomes too dry. Then, of course, another watering will be necessary. Shade the glass lightly to prevent the sun wilting the cuttings and if a severe frost comes throw some old bags or some other protecting material over the sash.

C. W. JOHNSON.

Cultural Reminders.

The bright days that we have had the last three weeks, after three months of almost sunless weather, have been indeed a blessing, and now that we may look for a continuance of the balmy spring weather it is well to see that our carnations have the best possible chance to make full use of their qualities. With the increased amount of light the plants will expand their tissues much more rapidly than a few weeks ago. This means that there should also be present those other things necessary for a full and healthy development. Fresh air is, next to sunshine, the greatest aid in this direction. There should, therefore, never be a lack of this health-giving element. After the plants have been subjected to the rather close atmosphere consequent to closed ventilators during cold weather, however, a little skill is necessary to prevent wilting when the ventilators are open wide. In such cases a light syringing once or twice during the warm part of the day, just enough to charge the atmosphere with moisture, will keep the buds from lopping over. Crooked stems



The Dwarf Crimson Rambler
(From Moller's Gartner-Zeitung.)

and small flowers soon result from repeated wilting. With care and judgment the plants can soon be accustomed to the more airy environment.

The remarks made some time ago about continued feeding will apply with greater force as the season advances and the weather becomes more certain. The soil will easily stand any reasonable addition of plant food now, either in liquid form or as a light mulch. It is as

yet too early, however, to think of putting on a heavy mulch, except where the sun is apt to dry out the soil too fast. Any material used for stimulating effect, therefore, should be rich in some element which is intended to produce just the effect desired. Phosphoric acid seems to manifest its influence mostly in the development of the flower, and is therefore a valuable fertilizer at this season, when the plants are usually well set with buds. Ground bone, which is mostly relied upon to supply this element, must be fine enough to be quickly available, the finer the better. Potash had better be dispensed with, for it hardens the growth too much. This means a discontinuance of wood ashes on most varieties about this time. Nitrogen, which is found in abundance in a good grade of sheep manure and also in quantity in cow manure, gives tone to the entire plants and keeps them from becoming close jointed and hard. A good supply of this element should be present at all times, especially in very bright weather. Watering, both above and in the soil, will come in for a larger share of time than heretofore. A good syringing with force twice a week, and oftener later, will be necessary to keep down red spiders, and will help to keep thrips away. The latter insect, however, is best combatted with tobacco smoke, the same as green fly. Keep the shoots well worked into their supports, especially now, when the bodies of the plants have moved upwards considerably. A few weeks' neglect will make all future efforts to train the flowering shoots up straight useless. Disbudding must also be kept up regularly, especially when the greater supply of flowers on a slowly moving market increases competition. Quality counts at such times more than at any other. Set aside a day each week for this job and see that it is done just as sure as that day comes.

If you do any forcing for Easter, be sure that the plants have enough buds on them to make it worth while. There can be little objection to raising the temperature six or eight degrees for a few days before Easter. Run the plants just a little bit dry for a week or so before the forcing period, and then a little wetter than usual while this period is on. Keep well within the bounds of safety and prudence in this, for the public expects its money's worth at Easter time as well as at any other.

J.

The Edelweiss.

ED. AM. FLORIST:—The undersigned will be greatly obliged to any reader who will state whether the edelweiss has been grown successfully in this country, giving details of culture, etc. A. LANGE.

The Edelweiss, *Gnaphalium Leontopodium*, or better known under our name of *Leontopodium alpinum*, can and has been successfully grown in this country. It differs in culture but little from our other so-called everlasting flowers, such as *xeranthemum*, *ammobium*, *helichrysum*, *acroclinium*, *Gnaphalium decurrens* or *immortelles*. Seed sown out in June will produce blooming plants the following summer. They like a sandy loam, yet they will do well in almost any soil. A cool frame or a violet house will be found best for overwintering. Edelweiss can also be successfully forced. For this purpose seed should be sown out in March, plants to be grown in pots during summer. It is best to shade just a little during hot months and not keep

plants too wet. They should not be transplanted after October 15, and by that date should be in 4 to 5-inch pots. A temperature of about 40°-45° during winter months will be about right, with an increase of about 10°-12° in February. They will make nice plants, with from seven to ten flowers to the top of the plant, in March and April. While some of the above mentioned everlasting flowers are annuals, *Leontopodium alpinum* is a perennial and the plants may be increased by division of the root. Yet better results will be obtained from seed which, when fresh, will germinate with a temperature of 50° in from ten to twelve days.

FRITZ BAHR.

In reply to the inquiry of A. Lange about the edelweiss, I wish to say that it is possible to grow it in this country to perfection. The writer has raised it from seeds planted in the greenhouse in January and transplanted as soon as large enough. Then harden off and plant in the rock garden in a sunny location. The soil that seems to suit it is a rather sandy or gritty loam. The plants usually flower the second year, and then seem to die out, so it is best to have new stock coming along each year. The plant flowers very freely and always seems to surprise the general public when it is seen in flower.

THOMAS W. HEAD.

LOS ANGELES, CAL.—The Ocean Park Floral Company, which is incorporated with \$25,000 capital and owns, besides nurseries and greenhouses, some of the largest carnation fields in the state located at Ocean Park, Cal., on the seashore, eighteen miles from Los Angeles, has an agency in Los Angeles which is run in the name of E. J. Vawter, to keep it separate for business reasons, and acts as general distributor of the products of the company to the coast cities. The officers of the company are E. J. Vawter, president, and F. M. Leavitt, secretary.

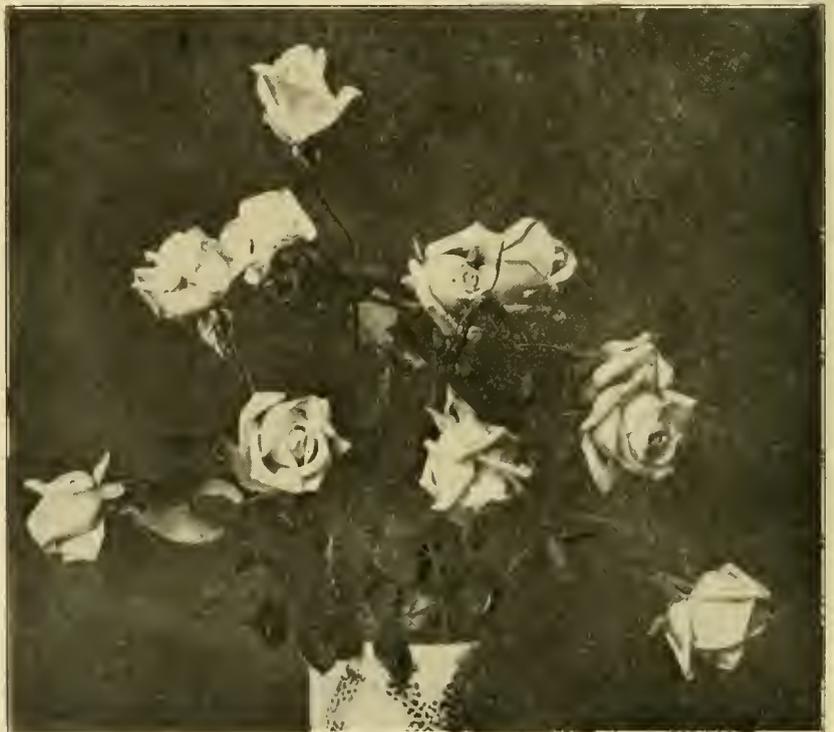
Building Eureka Greenhouses.

[By J. S. Dillon, of the Dillon Greenhouse Manufacturing Company. Presented before the Chicago Florists' Club, February 3, 1904.]



In building our Eureka greenhouses our object has been to erect a substantial and practical house for a reasonable cost. Our foundation is made by embedding our composition posts in concrete. Holes are dug in the usual way, filled partly full with concrete, the post placed so it is the proper height and then the hole filled up to the level of the ground with concrete. This makes a foundation that will never sag nor give in any way providing the ground is solid under the concrete. Our posts, for which patent has been applied, are made of composition with No. 8 wires running through it to give additional strength. These posts will stand a pressure of one ton. Their composition will allow nails to be driven into it as will hard wood, so we have all the advantages of a wooden post and the durability of stone. Iron caps are set on the top of the posts and angle-iron, wooden plates or our patent composition gutter plates bolted to the same as the plan may call for.

After three years' use we are positive that our composition gutters are practically indestructible. We can nail the sash bars to them the same as the wooden gutters and they do not rust the sash bars like the iron gutters. Nailing the sash bars to the gutter plates in the old fashioned way allows ventilation and is positively better than when the sash bars rest in cast iron boxes or slots. Composition gutter plates do not waste your heat all winter. It is claimed by those who use the iron gutters that the snow melts away very quickly after a storm. This shows a great loss; it takes heat to melt snow, consequently your iron gutters not only radiate the heat when it is melting the snow but you are



SHELLEM'S NEW ROSE.



PRIZE CINERARIA STELLATA AT THE PHILADELPHIA EXHIBITION.

losing heat from the time you commence to fire until you stop. Our plan to melt the snow is to run a steam pipe on each side of the gutter plate, using it only when there is snow on the glass or in very cold weather. These gutters need no painting and combine all the good qualities of the iron and wooden gutters not excepting the lower price of the wooden gutter.

For our iron purlins we use "U" structural steel, which is very much stronger, weight for weight, than iron pipe or angle-iron. Our purlins are supported about every eight feet by upright pipe, connected with a "U" iron by a cast iron connecting brace which thoroughly braces and ties the building together. After five or six sections are set up and the sash bars put on the structure is perfectly rigid. Instead of sprigging the glass in the usual way we use a zinc cap twenty-four and one-half inches long for each twenty-four inches of glass, which is quickly put on by driving three small nails and prevents all possibility of the glass blowing out; protects the sash bars from the weather, thereby lengthening their life, and saves painting on the outside. These caps cost about one cent per foot but as they save a considerable part of the cost of glazing their first cost should not be considered alone.

As we use in our own greenhouses only butted glass you may wish to know our opinion of it. I wish it distinctly understood that I do not recommend butted glass in all cases, but in the country where there is no black smoke or dust a greenhouse can be glazed much cheaper by using butted glass and will be equally as tight against the cold as when lapped. It is true it leaks a little more in the summer but I have never lost, as far as I know, a dollar by the leaking. After the glass becomes wet the water will run down the glass or the sash bars. When we had the great hail storm on September 17, 1896 and lost 1300 boxes of glass, we realized the great advantage of butted glass. There was no putty to cut out and we were quickly able to lay our glass and save our plants from frost. We layed 310 boxes of glass a day.

Our Eureka houses are all put together before leaving the factory and with the aid of blue prints and plain directions

sent with them can be put up by any person with a mechanical turn of mind. This is a great consideration to many florists who at some times of the year have more help than they can profitably employ in their regular business. The points of superiority we claim for our Eureka houses are indestructible composition posts, indestructible composition

gutters, structural steel "U" purlins, connecting braces and the zinc caps. The small increased cost over the price of the old style wooden houses with pipe purlins should not be considered when durability is taken into consideration. I would like to say something about our sub watering beds and the great success with Liberty roses grown on them but as this would make a paper of itself I will leave it for some future time.

Greenhouse Heating.

ED. AM. FLORIST:—I desire to heat a small house, 12x40, with hot water, using 2 inch flow pipe, the heater to be below the floor of the shed. The sides of the house are three and one-half feet high. It is seven feet in the center. I would like to have a temperature of 50°. Outside temperature is sometimes 10° below. Kindly state the best plan of heating a house of this size. W. P. B.

Without knowing something about the arrangement of the walks and benches it will not be possible to give very definite advice regarding the arrangement of the heating pipes. The necessary amount of radiation can be supplied by means of two 2-inch flow pipes and six 2-inch returns. If there is no door in the farther end it would answer to have a coil of four 2-inch pipes run entirely around the house. If this is not done it will be best to have coils extend at least a portion of the way across the exposed end.

L. R. T.

LYONS, FRANCE.—Maurice Rivoire, the well known horticulturist, died at Hyeres, March 1, aged 75 years.



A PRIZE GENISTA AT THE PHILADELPHIA EXHIBITION.



MUSHROOMS sliced and dried in the sun, and whole mushrooms dried in ovens and placed on strings for convenience in handling, were held by the United States general appraisers, New York, February 29, 1904, to be dutiable under the provision for "vegetables, prepared or preserved," tariff act of 1897, and not dutiable as "vegetables in their natural state" nor free as "vegetable substances, crude or unmanufactured."

Various Notes.

At the greenhouses of G. M. Whitin, at Whitinsville, Mass., a mushroom cellar is equipped with electric heaters similar to those used on street cars. The heaters are under the beds and the results given are very satisfactory.

THE Italians, whose entire families work on the garden or farm, are gradually becoming a factor in the market gardening districts around Boston, and with their minimum expense for labor are a menace to the peace of mind of the natives. Their eventual competition in the forcing industry is also probably a matter of time only.

ELECTRIC ploughs, auto trucks for transportation, wireless telephones, rain-making and electric invigoration generally are, according to W. W. Rawson, among the attainable ideals for the vegetable forcer of the future.

Cyaniding Under Glass.

A demonstration of an interesting character, and proving the utility of the new process of cyaniding by hydrocyanic acid gas in glass houses, was given at Messrs. Ladd's Nurseries at Swanley Junction, January 11, according to the *Gardening World* (English). The demonstration was one of importance to market gardeners using glass. The experiments were performed in the presence of some twenty-four growers, and the hydrocyanic acid gas would appear to be most effectual. It is claimed for it that it will destroy all insect and vermin pests to which flowers and plants of any kind grown under glass are subject. At the same time it has to be borne in mind that the operation of cyaniding has to be very carefully performed or the gas will kill the men as well as the insects. It is necessary to immerse the powder used in vitriol. The powder is placed in a suitable vessel over the vitriol. To the powder vessel is attached a cord, which is of sufficient length to admit of the operator going outside the glasshouse, where, having first shut the door, he gently pulls over the hydrocyaniding powder into the vitriol, when the compound at once commences to boil, and the gas is given off. For the purpose of distributing the gas a simple fan arrangement is provided. This also is worked from outside the house by means of a cord.

DULUTH, MINN.—The South Superior Floral Club met at the home of Mrs. Henry Rasmussen Friday afternoon, March 25.

City Gardens Association, Washington, D.C.

Washington has now a City Gardens Association, its object and purpose being to utilize the Potomac flats and all other available land about the city for growing flowers and vegetables. The City Gardens Association is for the old flag, but to its credit be it here recorded does not ask congress for an appropriation. It has, however, asked for the use of available land under the control of congress. The membership fee has been placed at not less than \$1. Col. T. W. Symons, superintendent of public buildings and grounds, who seems to be something of a wag, attended the last meeting of the association at the New Willard hotel, and created amusement by asking if it was prepared to dig up the cultivated parks, and the parks improved with flowers and shrubbery, for the purpose of substituting vegetable gardens.

"Are you going to dig up the mall and the grass plot around the base of the monument?" inquired Col. Symons. He was assured that the association had no designs against the mall or monument park. Col. Symons then said he was not opposed to the aims of the association.

This is the Pingree scheme of gardening, named after the late Mayor Pingree, of Detroit, who originated it in that city. It is a far cry from the parlors of the New Willard to the Potomac flats, but I do not doubt the sincerity of the ladies and gentlemen who are thus aiming to assist the poor and unemployed. They are furnishing the money to buy seeds and implements, and the government and owners of vacant property will give them the use of the land. It seems as though the agricultural department might donate enough of their perfectly lovely seeds to sow and plant the Potomac flats. It would be a much better use than to burden the mails with them, increasing the labors and expenses of the busy and expensive postoffice department.

S. E.

LENOX, MASS.—The regular meeting of the Lenox Horticultural Society was held March 19. W. D. Sloane, F. Heeremans gardener, was awarded cultural commendations for *Gardenia Veitchii* and *G. Florida*, which were remarkably fine flowers.

G. F.



ERICA CAVENDISHIANA AS GROWN BY LOUIS DUPUY, WHITESTONE, N. Y.

THE RETAIL TRADE

Unique Dinner Decoration.

At a dinner given at the Waldorf-Astoria recently by George H. Munroe, representing the Marconi wireless telegraph system, to the New York press, the floral decorations by J. H. Small & Sons were unique. The scheme represented an extensive country scene, mountains, glens, lakes, rivers, houses, barns, windmills, all reproduced in exactness by the clever skill of the florist. Through this elaborate landscape were represented the old-fashioned telegraph poles, wires tangled, cut and running in every direction, illustrating in miniature their uselessness when compared with the Marconi wireless system.

Chicago.

The advent of Spring was accompanied by mild and pleasant weather which brought stock from the greenhouses in large quantities and increased the prospect for a good supply in all lines for Easter. If the present brand of weather remains with us until the holiday there will be ample stock to meet all demands. Good American Beauty and Liberty will be the scarce items in roses. The former have been scarce nearly all the time since the holidays and the prospects are meagre for an increased cut. Not many Meteor are to be seen in the market. Bride, Bridesmaid and the other staples are of excellent quality and are enough to fill the running calls at present, although some predict a shortage for Easter. Carnations are slightly stiffer in price than formerly and Easter quotations put this item at nearly Christmas prices. The violet situation has been much improved during the last week. The flowers are much in demand and are moving readily. Tulips are a glut, as they have been for some time. Other bulb stock, narcissus, daffodils and callas are selling slowly and large quantities are coming in. Among the scarcest items on the market now is smilax and dealers are doubtful if they can get their orders filled in time to satisfy their Easter trade.

The aldermanic campaign of Peter Reinberg is on in full force. The downtown florists are taking an active part by putting up Reinberg posters in their stores and distributing buttons. Mr. Reinberg's campaign is called the carnation campaign, his souvenir buttons bearing a picture of a red carnation.

High water wrought considerable damage to the growers on the north side as well as South Chicago last week. The fires were extinguished under the boilers at C. Clemenson's place and a small flood surrounded his houses several days.

Edward Calvert, of F. Calvert & Sons, of Lake Forest, Ill., was in the city a short time this week. He was showing some Princess of Wales violets, which for size and length of stem are not equaled by even the eastern violets.

Poehlmann Brothers Company will have fully 25,000 lilies just right for Easter. The quality was never better. Besides these they will have large cuts of American Beauty roses, carnations and bulbous stock.

An office at 46 Van Buren street has been opened by the Pittsburg Plate Glass Company temporarily until its building, which was recently destroyed by fire, can be rebuilt.



RED ROSES AND WHITE LILAC.

Bentley-Coatsworth Company will have a fine supply of Bride and Bridesmaid roses for their Easter trade. All of their greenhouse stock is looking healthy and promising.

Sinner Brothers are booking plenty of Easter orders. Their Lawson carnations have earned an enviable reputation and they have a good crop coming just right for Easter.

Two successive orders of 2,500 and 2,000 of assorted roses this week from one house gave Peter Reinberg a substantial lift in keeping his counters cleaned.

E. C. Amling is getting choice longiflorums, cut and in pots, and will be in a position to satisfy a large demand for Easter.

John Leach, formerly with John Mangel, is now in Lexington, Ky., where he is employed with Honaker, "the florist."

E. F. Winterson Company shipped in one order this week to a western point 10,000 assorted carnations.

Supply houses report an active business in Easter supplies, ribbons, trimmings and wire work.

Among the Chicago visitors this week were George B. Wiegand, of A. Wiegand & Sons, Indianapolis; W. W. Coles, Kokomo, Ind.; Mrs. Emily Stapleton, Detroit, Mich.; C. W. Ward, Queens, N. Y.; H. M. Reincke, Green Bay, Wis.

New York.

Wholesale dealers note a slightly better tone in the cut flower market this week, consequent upon a reduced product and probably also upon a disposition on the part of the growers to hold back stock in some lines until the Easter demand is

on. As intimated in last week's notes callas are assuming an unwonted firmness because of the wide spread belief that lilies are likely to be scarce as compared with recent years. American Beauty roses are changing hands this month at prices lower than ever before at this season, the number sold for the highest quoted price, 20 cents, being very small as compared with the sales at half that price. Violets begin to show the effects of the spring weather on their size and color and receipts are growing smaller daily. There is no question, however, that the supply of this Easter favorite will be enormous.

F. W. Massmann, who has been in the florist business at East Orange, N. J., for the last twelve years, has sold his establishment to George Smith, head gardener to Mr. Colgate, of East Orange. The reason for selling was the poor health of Mrs. Massmann. Mr. Massmann and family will visit relatives in Germany next June. Mr. Smith will take possession on May 1 and will be succeeded at the Colgate place by George Reed, recently assistant to P. Riley at Flatbush.

Letters received from J. N. May bring encouraging news of his improvement in health under Florida skies. While not yet able to do much walking he finds much enjoyment in sailing, driving and fishing and manifests special delight in the companionship of a Marechal Niel rose blooming outside his window.

The stockholders of the Cut Flower Exchange, will, at their annual meeting in May, vote for five directors, in place of John Johnson (deceased), Philip Miller, William C. Duncan and Charles Smith of Woodside, and John Taylor of Bayside.

Philip Miller and John Mahacek, the expressmen of Long Island City, who have been delivering the baskets every morning to the Cut Flower Exchange, have dissolved partnership by mutual consent. Mr. Miller will continue the business.

Mrs. E. C. Matthies of Woodside, L. I., who has been sick most of the winter, has been removed to the German Hospital, New York, and hopes are entertained for her complete recovery.

E. C. Matthies was thrown from his wagon while driving past his home in Woodside, last Saturday, and was badly hurt, a cut in his scalp requiring six stitches to close it.

A couple of local lights furnished a few minutes strenuous entertainment, without gloves, at the Cut Flower Exchange last Monday morning.

The auction sales have begun and trade in this line opens merrily. Cleary had his first sale on Tuesday, March 22, at his new place.

A card "For Rent" adorns the window of the place on Twenty-ninth street occupied of late by Reidel & Spicer.

J. Bowne Hyatt has recovered from his late illness sufficiently to leave St. Luke's Hospital.

A visitor this week was Jac M. Jansen, with C. Keur & Sons, Hillegom, Holland.

Boston.

A fair amount of business is being done in a wholesale way and while flowers are low, as a rule, growers are making no complaint, being seemingly satisfied that the flower market is holding its own and will continue to do so. The influx of bulbous flowers is, as heretofore during March, quite heavy, and the smaller growers of this line of material have difficulty in realizing any profit on the goods, even when of the higher grades. Violets seem to take kindly to the sort of weather we have been partaking of and bid fair to be of much better quality than is generally seen at Easter. Notwithstanding the general impression that the lilies for Easter are badly behindhand, no verification of this is found in the stock of the various large operators in this vicinity, one and all being elated over the quality and confident of an exceptionally good showing for Easter. As a general thing the plants are much lower in stature than in past seasons. Crimson Rambblers do not seem to be in as forward condition as the lilies and a repetition of the experiences of past Easters when a good many unsold specimens have been left over is not likely this year.

R. D. Ireland died at his home in Ocean Spray, March 18. Although not engaged in the florists' business Mr. Ireland was an enthusiastic flower-lover and found his best-prized companionship among the florists, by whom he was esteemed highly for his good-hearted and companionable qualities. He had been in failing health for a year.

That splendid violet, Governor Herrick, from Mr. Carlton, of Willoughby, O., was on exhibition last week at Welch Brothers. Its fine keeping qualities were generally commented on.

Baltimore.

Trade is moderate; there are no glutts and no marked deficiencies of stock of cut flowers, and prices are fairly well maintained, the tendency for the time intervening till the Easter demand being on the declining side, though it is not marked. Good American Beauty are scarce; so are red roses of first quality.

Carnations are irregular in supply from day to day; whites are generally cleaned out at satisfactory figures, whilst red and pink are often left over. Violets are not abundant, nor in great demand either. Much uncertainty is felt as to the Easter supply. On almost every hand exist apprehensions that lilies will be behind time, and complaints as to the bad condition of hyacinths are general. The character of the bulbs sold last fall is widely impeached and grumbling, if not swearing, is loud and deep. Much cloudy weather adds to the uncertainty of the outlook. Though spring is here, by the almanac, the temperature and skies are anything but vernal, since every other day is cold, blustering or rainy, with not much intervening sunshine.

The recent death of one Mrs. Feast, and the announcement of the critical illness of another, recalls to the minds of the older horticulturists in this community two men, of whom these were the widows, who were pioneers in the trade here—John and Samuel Feast. They were brothers who emigrated to Baltimore probably in the first quarter of the last century from Yorkshire, England, and they were active for a great many years in business. John was a collector of rare and fine plants, and from time to time imported many specimens not commonly in cultivation. Samuel, who was nurseryman as well as florist, had a notable assemblage of striking trees in what is now Harlem Park, and produced some superb seedling camellias in the era when that flower was in its popularity, Feast's Perfection, Mrs. Lurman and others, also *Cereus Feastii*, a cactus with enormous flowers. He was also the originator of the Fillmore strawberry, one of the largest and best varieties ever produced. The firm now in the trade here is composed of his grandsons.

Henry Le Brun, one of the oldest of the gardeners in this community, celebrated his eighty-fifth birthday a few days ago, and was given a surprise visit from many of his neighbors and friends, who congratulated him on his years and continued health. Mr. Le Brun came to this country from France at a comparatively early age, and has long been engaged in the florist's business, as are his descendants to the third generation.

Hans Schuler, the son of Mrs. Schuler-Thomas, who carries on a successful florist's establishment on Saratoga street, is a sculptor with a studio in Paris, where he has done work which marks him as gifted with genius of no inferior degree. His latest work is a group of heroic size of "Adam and Eve," which will soon arrive in Baltimore and find a place in the galleries of the Peabody Institute.

Philip B. Welsh, who now has his new place near Glyndon in fine working order, and who has had his usual good success with Easter stock, has made arrangements to forward his plants by rail instead of hauling them into the city and has chartered several cars so as to bring in with the least handling his azaleas, lilies, hydrangeas, etc.

Edwin A. Seidewitz has leased a portion of his store on Lexington street to a phonograph firm, the demand for accommodations on the leading thoroughfares from concerns driven out of their former quarters by the fire not being by any means exhausted.

Except the bowling team very few members of the trade here have gone over to the meeting and show of the American Rose Society at Philadelphia this week, but some of our Baltimore roses are on exhibition.

The Florists' and Gardeners' Club held its annual meeting Monday night and elected the following officers for the ensuing year:

President, John A. Cook.
Vice-president, Fred C. Bauer.
Secretary, John J. Perry.
Treasurer, F. G. Berger.
Financial secretary, Phil. B. Welsh.
Librarian, Chas. M. Wagner.

S. B.

Washington, D. C.

With the abundance of stock and good weather that brought out the buyers, the retailers had no reason to complain of the condition of trade last week. The fancy prices that ruled during the fashionable season are fading away, to Palm Beach and other seasonable resorts. Prices for good stock are not demoralized, but have simply come down a peg or two, and as a result the great middle class is now buying more freely. Good roses seldom go begging in this market and there is little danger that they ever will. In carnations there seems to be a scarcity of good reds. Estelle and Crane about comprise the stock to choose from in that color, and they are not plentiful. Violets may "cost twice as much per gal" in Chicago and other cities, where the octopus is on its native heath, so to speak, but that is not true of Washington. There are so many trust-busters about capitol hill and the octopus is so "skeered" of them that he generally sneaks in here under an alias. But as to violets: The Virginia violets are in the market in quantities and selling at low prices. Fred H. Kramer, a Centre market dealer, had a bargain-day sale of them recently, and says he sold \$5,000 at 10 cents per bunch of fifty on that one day. There is an over-abundance of narcissi, and plenty of tulips to supply the demand, although the variety is not great. A leading retailer told me recently that having an order for several dozen Murillo only one grower could supply them. There is a good supply of Easter stock in sight at the local greenhouses and in addition to this several of the retailers will draw on the Philadelphia market.

On a recent visit to the American Rose Company's range, I found Manager Durfee busy among his seedling carnations, which are of infinite variety. He has one yellow seedling that may yet fill a vacancy in the carnation world. As the name indicates, roses are the principal crop grown at this range but they have also thousands of lilies, two houses of A. Sprengeri and a variety of other stock.

St. Patrick's day brought some business in shamrocks and other greens for decorative purposes. There are skeptics and scoffers who say that most of the "shamrocks" sold here are New Jersey clover, grown in Philadelphia. Geo. H. Cooke made quite a hit with shamrocks—the real thing—in 2-inch pots, with a miniature flag of Erin for a consolation prize, thrown in.

Indications point to an early adjournment of congress, probably not later than April 15, and within the next few weeks there will doubtless be a number of dinners and entertainments of the farewell-till-we-meet-again order which should call for good decorations.

Clarke Brothers, who are neighbors to the American Rose Company have a fine lot of rhododendrons and grow a general stock.

J. Ringier, representing Bobbink & Atkins, of Rutherford, N. J., has recently been calling on the local growers.

S. E.

Cleveland.

Quite a change has taken place in market conditions the last week. Carnations are having a run and everything salable is picked up every morning. Prices have increased fully one-third. White and pink roses are in good demand. Red roses seem to hang fire; even bulbous stock is moving better. This sudden change of conditions is only another instance of the erratic way in which stock has sold this season. Let us hope these improved conditions will stay with us for a longer spell than usual. Easter plants are being hustled along, and from all reports there will not be a scarcity of anything in the plant line, except possibly Crimson Ramblers, and if we get plenty of sunshine for the next couple of weeks there will be plenty of those. John Merkle, of Mentor, has a splendid lot, but it will require some strong measures to get them all in. The lilies promise to be very plentiful and fine, nearly all Japan longiflorums are being grown, the percentage of diseased plants being less than other years. Bermuda grown longiflorums are no better than the Harrisii, and, if anything, not as good.

There seems to be an epidemic of eel worm among the rose growers hereabouts this year. Nearly every grower has had trouble more or less from this insidious pest. Can anyone explain the reason why? Last year there were scarcely any traces of it, yet this year nearly everyone is complaining about this and club root, and we take it for granted where the roots are clubbed eel worm exists. It often strikes me forcibly that this condition of club root is often brought about by causes other than eel worm. If not, why don't we have the same conditions every year? I have personal knowledge of one instance where plants last year showed evidence of a very bad attack, yet these same plants this season are absolutely free from the disease and grown right along in the same soil. They were dried off for a few weeks last summer and started up with a slight top-dressing of soil and manure, and have been the picture of health since. Verily, as Brother Simpson says, the trials and the tribulations of the rose grower are many, and his reward ought to be great hereafter.

The usual display and prize competition will be held in the Sheriff street market Easter Saturday. This event is looked forward to with keen interest by the patrons of the market. Quite elaborate displays are made by the stall holders. About a dozen florists sell their products there. This last season has been a poor one for the majority of them. The only thing that sold well were the dear old grandmother bouquets, those with the ruffles preferred. ECHO.

Pittsburg.

The month of March has been generous in contributing several delightful days. Business is not increasing in strides, but there is a noticeable improvement. There is little doubt about the supply of all kinds of stock for Easter. Stock conditions are well regulated. There is no surplus in anything. Lots of good Bride and Bridesmaid roses in different grades are coming in. Carnations, too, are plentiful and fine. Violets are rapidly passing out. Marguerites, lily of the valley, Harrisii, mignonette and all bulbous stock are good.

"Carnation night" surpassed the expectations of the Pittsburg Florists'

and Gardeners' Club members, who devoted the evening of March 15 to the inspection and discussion of the many kinds of carnations exhibited at the club quarters. Blooms were displayed by local and distant growers. Interest was centered in Mr. Murchie's Fred Burki and the White Lawson shown by F. R. Pierson.

The attendance was good and the various exhibits tastefully and effectively arranged. Visitors were William Craig, Philadelphia, Pa.; Mr. Dumont, of Dumont & Company, Philadelphia; A. Rolker, of A. Rolker & Sons, New York city; Arthur Langhaus, of Wheeling, W. Va. The following were exhibitors:

John E. Haines, Bethlehem, Pa., showed Imperial, variegated; John E. Haines, red; Star of Bethlehem, yellow; Juno, scarlet, and No. 77, pink.

The J. D. Thompson Carnation Company, Joliet, Ill., showed Estelle, red, and Nelson Fisher, red.

R. Witterstaetter, Cincinnati, O., showed The Cardinal.

Charles Frueh & Son, Saginaw, Mich., showed Seedling No. 115, red.

The F. R. Pierson Company, Tarrytown, N. Y., showed Enchantress, Adonis, Daheim, dark red, and White Lawson.

H. Weber & Sons, Oakland, Md., showed New Daybreak.

W. J. Palmer & Son, Buffalo, N. Y., showed Red Lawson.

Basset & Washburn, Chicago, Ill., showed Madame Chatenay roses.

John Murchie, Sharon, Pa., showed Fred Burki.

H. R. Carlton, Willoughby, O., showed his new single violet, Governor Herrick.

The Pittsburg Cut Flower Company showed Governor Roosevelt, Midnight Sun, Mrs. Bradt, and all kinds of cut flowers.

The Pittsburg Rose & Carnation Company, Bakerstown, Pa., showed Lillian Pond, Estelle, Enchantress, Lawson, Cressbrook, Floriana, Higinbotham, Lorna, Queen, Alba, Norway, Prosperity, Adonis, Palmer, Boston Market, White Cloud, Genevieve Lord and Joost.

E. C. Ludwig, of Allegheny, Pa., showed a fine bunch of carnations of assorted colors.

J. L. Wyland, De Haven, Pa., showed Mrs. Lawson and Enchantress.

H. L. Blind & Brothers, Westview, Pa., showed Queen Louise, White Cloud, Cressbrook, Norway, Enchantress, Adonis, Mrs. Lawson, Nelson and Genevieve Lord.

Superintendents Burke and Hamilton, of the Pittsburg and Allegheny parks, respectively, have been getting their houses in shape for their Easter displays.

Graves & Reisch, of Beloit, O., have leased the plant of J. E. Bonsall, of Salem, O. They will take possession in April.

J. B. Murdoch & Company are cutting some fine Bridesmaid roses and Mrs. Lawson and Marquis carnations.

P. J. Decmas, of the Florists' Exchange, will go to Chicago this week to buy stock for Easter. E. L. M.

Cincinnati.

Trade since our last report has been very good and stocks of all kinds moved exceedingly well. At times it was a difficult matter to get flowers enough to fill orders with. However, since Monday conditions have changed and it is now a question of moving stock, there being very little business outside of funeral work, which consumes quite a lot of the white flowers. Bulbous stock is still in

over-supply and the way prices are being slaughtered it is a mystery to the writer how some of the growers are going to pay their bulb bills. Roses and carnations will be in good supply for Easter, in fact, seasonable flowers of all kinds will be equal to the demand. Green goods, such as smilax, fern leaves and asparagus are very scarce, notably fern leaves, which have reached \$4 per 1000 in price.

Max Rudolph & Company will have a nice lot of carnations and roses for Easter and Geo. Corbett will cut some of those fine Lawsons, also callas, Harrisii, etc. His house of Asparagus plumosus will be ready to cut in about two weeks. Mr. Corbett also has a fine lot of bedding plants coming along which he claims is his main business, but from the appearance of the houses in which he grows cut flowers, we have to admit he is some pumpkins at growing cut flowers too.

The writer had occasion last Monday to go to College Hill, and while there called on several of the florists. At Walter Gray's place the roses promise a very nice crop for Easter. He will also be able to cut several hundred good calla lilies. One sash house containing several thousand longiflorums will be good stock for May and June.

Wm. Murphy is busy moving. He has rented three rooms on the second floor in the same building where he is located at present, and when everything is finished he will have very pleasant quarters.

On Tuesday we had a heavy rain which included a lot of hail, but up to the present writing we have not heard of any damage being done. A. O.

New Bedford, Mass.

The growers are hustling to get their lilies in for Easter. Probably not more than half of them will be bloomed in time. A good many will be brought from out of town. Bulbous stock and flowering plants of all kinds will be plentiful. S. S. Peckham has a very fine lot of bulbous stock, hybrid roses, azaleas, genistas, etc.

The annual meeting and supper of the New Bedford Florists' Club was held at the Mansion House and the following officers were elected: President, E. Y. Pierce; vice-president, A. B. Hathaway; secretary, Wm. P. Pierce; treasurer, Wm. Brown; executive committee, Geo. Pasel, S. S. Peckham and Mr. Hoxie.

A paper on violets was read by E. Y. Pierce. The new committee having charge of the supper made a small change in the menu by leaving out all drinkables except coffee.

R. H. Woodhouse's place is also full of flowering plants of all kinds. E. G. Davis is in with a house full of lilies. Richard Nofitz makes a specialty of bulbous stock and azaleas. E. Y. Pierce, A. Jahn and Wm. Brown have azaleas and lilies in abundance. A. B. H.

Minneapolis.

Trade is dull. Stock is plentiful in all varieties and grades. There will be no rise in prices until Easter, the approach of which is welcomed by all. Easter promises to be an eventful one. Good orders will be handled and first-class stock will be available to fill them with.

O. S. Swanson had a display of red, white and assorted tulips in boxes, with a background of palms and ferns for Saturday's attraction.

Some choice cinerarias were observed in R. A. Latham's store. They found ready purchasers. C. F. R.

THE AMERICAN FLORIST

NINETEENTH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

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52 times, 30 per cent.

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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.

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

THE St. Louis World's Fair will open
in thirty days.

OPHIR D'Or is one of the most beauti-
ful forcing tulips. It is exceedingly grace-
ful in character, far ahead of the popular
Yellow Prince.

QUEEN VICTORIA, La Reine and Mil-
tiades are duplicate names for the same
tulip. There are one or two other varie-
ties quite similar to the above and our
Holland friends do not hesitate to supply
them indiscriminately should stock of
variety ordered run low.

Too Much Nitrate of Soda.

ED. AM. FLORIST:—Please give me an
opinion as to the trouble with the
enclosed Norway carnation bloom, cut
from an apparently healthy plant with a
good stem. A good share of the blooms
come like the enclosed, small and shriv-
eled. G. D. C.

The flower was well dried out on
arrival, but there was still an indication
that the plants had been given too much
nitrate of soda.—Ed.

Store and Greenhouse Heating.

ED. AM. FLORIST:—We wish to heat a
flower store 16x24 and lean-to conserva-
tory 10x14. Which would be best, hot
water, hot air or a combination furnace
with hot air register in the store and hot
water in the greenhouse? We lack room
for hot water radiators in the store.

S. H. D. & S.

Hot air will be quite undesirable for
heating either the flower store or the
conservatory, but if there is no place for
either a wall-coil or a radiator in the
store a register could be used in connec-
tion with a combination heater sup-
plying hot air to the conservatory.

L. R. T.

Piping for Violet House.

ED. AM. FLORIST:—How many runs of
2-inch pipe and what size of boiler do I
need for heating a house 24x72 with
double span sash roof, hot water to be
used? The house is to be kept at 45° at
night. It has solid benches for violet
growing. Outside the thermometer goes
in very severe winters 12° below zero.

A. R. L.

The amount of radiation will depend a
good deal on the exposure and the con-
struction of the houses. It will require
two 2½-inch flow pipes and from eight
to ten 2-inch returns. Under favorable
conditions the smaller number should

suffice. If for any reason 2-inch pipes
must be used as flows, it will be well to
use either eleven or twelve pipes, of
which three and preferably four should
be flows. The house will contain rather
more than 500 square feet of radiating
surface, and the boiler should be one
rated for 700 to 800 square feet of radia-
tion. L. R. T.

Piping for Greenhouse.

ED. AM. FLORIST:—I wish to pipe a
greenhouse, 30x150, even span, running
east and west, 14 feet to the ridge, side
4 feet six inches, 24 inches of which will
be glass. The temperature needed is 60°.
The situation is rather exposed to south-
west winds, especially the west end. I
desire to use 2-inch pipe or 2½ inch flows
with 2-inch returns. I do not want any
overhead heat but would like most of the
pipes to be on the side walls or the flows
on the walls returning under the benches,
if you think that feasible. There will be
about 10-feet north of the greenhouse in
a cellar not more than 6 feet deep.

ENQUIRER.

The exact location of the boiler is not
stated, but if near the end of the house
the coils can run the entire length of the
house. If near the centre the coils can
extend in either direction from that point.
It will be desirable to use six 2½-inch
flow pipes and twelve 2-inch returns. If
the walks extend along the walls it
would be well to have one flow pipe and
two returns on each wall and under each
of the benches. L. R. T.

OBITUARY.

Edgar J. Bowen.

Edgar J. Bowen, the well known San
Francisco seedsman, died March 7, of
apoplexy at his home on Vallejo street,
in his 72nd year. Mr. Bowen was the
head of the firm of E. J. Bowen and went
to San Francisco after the Chicago fire
and started in the seed business with a
very limited capital. He was the son of
a physician and hailed originally from
western New York. He was known far
and wide for his benefactions. For some
time he was a member of the board of
education of San Francisco and of the
Young Men's Christian Association.
Booker Washington's University at
Tuskegee, the Geographical Society of
the Pacific and the Associated Charities
were favored by his support and he acted
as a director for the two last named
organizations. Mr. Bowen left a widow
to mourn his death, his two children hav-
ing died some time ago. See portrait
page 396.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 is entitled to a five-line WANT
ADV. (situations only) free, to be used at any
time during the year.

Situation Wanted—As foreman; good plants-
man; roses, carnations; American Beauty roses a
specialty. W, care J. N. MAX,
Summit, N. J.

Situation Wanted—By a single, sober man,
German, as an all-around florist. Carnations,
roses and general stock. Address
26, Oceana, Virginia

Situation Wanted—By May 1, as rose grower on
place where first class roses are wanted. Ameri-
can, sober, steady, age 28. State wages. Address
R F, care Ameri Florist.

Situation Wanted—An up-to-date carnation
grower; wants a good position in the east, best
of references; married. Addr sa
N N, care American Florist.

Situation Wanted—By young Danish florist;
age 24; eight years' experience in Denmark, Eng-
land and United States. EDOAR JOHNSON,
Carbon Hill, Greensburg, Pa.

Situation Wanted—Management of retail floral
store or position as head designer; All references;
middle west. Address
B L, 504 Fisher st., Peoria, Ill.

Situation Wanted—By competent florist; good
grower of roses, carnations and general stock.
German, married. Private or commercial. Address
W C K, care American Florist.

Situation Wanted—As foreman, by a grower of
twenty years' experience; married. Only up-to-
date places will be considered. CHAS. DUERR,
care Morton Grove Greenhouses, Morton Grove, Ill.

Situation Wanted—As assistant grower of roses,
carnations and general stock, by young man 21;
good references as to ability and character; five
years' experience. H. AMBROS,
Norway P. O., Ontario, Canada.

Situation Wanted—By competent rose and car-
nation grower, as working foreman; sixteen years'
experience; married, age 34. State wages and
particulars. Disengaged May 1. Address
OUT WEST, care American Florist.

Situation Wanted—As foreman or manager of
100,000 feet of glass or more, where rose grow-
ing for cut flowers is made a specialty; nothing
but a good position will interest me. Address
MANAGER A, care American Florist.

Situation Wanted—By a good grower of carna-
tins, have been employed for the last year at
J. D. Thompson Carnation Company. Single, age
30, Dane. CHAS. THOMSEN,
J. D. Thompson Carnation Co., Joliet, Ill.

Situation Wanted—By a first-class grower,
capable of taking full charge of commercial place;
roses, carnations, chrysanthemums, violets,
palms, hedging stock, etc.; used to handling men.
State wages given. C, care American Florist.

Situation Wanted—By a good grower, age 25;
first-class retail place preferred; fair wages ex-
pected. Best of references. Address
D'ARCY CALLAN,
care Morton Grove Greenhouses,
Morton Grove, Ill.

Situation Wanted—By a young man 23 years
old single, has about three years' experience in
growing roses and general stock; would like to
get into a good home-like place, where an honest,
sober and willing young man is appreciated.
O S, care American Florist.

Situation Wanted—By competent gardener and
florist, to take charge of gentleman's place. Age
26, German; thoroughly understands the care of
private gardens, greenhouses and vegetables. 12
years experience. Address
E W, 357 New York Herald (Down town).

Situation Wanted—The undersigned is open for
an engagement with any gentleman requiring the
services of a practical head gardener. References
as to ability and character; married, no family.
Disengaged April 15. Correspondence solicited.
Address L. A. MARTIN, Greenwich, Conn.

Situation Wanted—As manager store; first-
class designer and decorator, good salesman;
middle-aged, sober, single, educated, good man-
ners; a worker; after Easter; references. Position
wanted where there is plenty of work and good
material to do it with. CAPABLE,
care American Florist.

Situation Wanted—By all-around practical
gardener and florist, experienced as grower of
stove and ornamental plants, orchids, etc.; thor-
oughly competent in all branches of the profes-
sion, in and out of doors; industrious, honest and
of excellent habits; married, no family. Best
references. Private place preferred. Address
L M, care American Florist.

Situation Wanted—By practical florist, 24 years
of age, single; can grow good roses, carnations,
chrysanthemums, palms, ferns; also good grower
in all kinds of bedding plants, etc. Sober, indus-
trious, quick and neat worker. Life experience.
Good references. Please state wages and full
particulars. Address
LIBERTY, care American Florist.

Help Wanted—A man at greenhouses and one
at store. State experience and wages expected.
F. WALKER & Co., Louisville, Ky.

Help Wanted—First-class florist to raise principally roses and carnations. Address
COLUMBIA RAILROAD COMPANY, Columbus, Ga.

Help Wanted—Competent man to work and take charge of market garden and greenhouse; good opening for the right man.
J. E. ROBINSON, Oil City, Pa.

Help Wanted—A grower of roses, carnations and chrysanthemums; must be able to take charge. State wages and references.
GEO. HARRER, Morton Grove, Ill.

Help Wanted—Man who thoroughly understands rose and carnation growing. Married man preferred. Address with references stating wages.
H. E. WILSON, 453 Hudson av., Rochester, N. Y.

Help Wanted—Good all around florist who can grow a general line of cut flowers and pot plants. Must be temperate and reliable. References required. A good place for the right man. Address
M A G, care American Florist.

Help Wanted—Near Boston, four good plantsmen. Only such need apply who have been trained in a nursery or in landscape gardening. State references and wages. Address
ARBORETUM care American Florist.

Help Wanted—A florist to take full charge of small place where carnations, roses and general stock is grown. German preferred. State wages with room and board. Address
OTTO BAUMANN, 469 Water St., Manistee, Mich.

Help Wanted—Greenhouse man and garden foreman; must be able to handle help, not over 45 years; single; \$50 and room. Send recommendations and experience. Address
PROF. F. W. RANE, New Hampshire College, Durham, N. H.

Help Wanted—A first-class maker-up of flower designs and experienced in decorating. State length of experience and salary expected, with references. Must be a hustler and not afraid of work. Address
J. NEWMAN & SONS, Corp'n, 51 Tremont st., Boston.

Help Wanted—At once, a grower of roses, carnations and general stock on small place; must be sober, trustworthy and not afraid of work; \$11 to \$2 a week to start. Steady place to the right man.
CHRISTIAN DEHN, Saratoga Springs, N. Y.

Help Wanted—Retail store manager: one who thoroughly understands the florist's business in all its details and is competent to take the business end of the management. Must have some capital or else invest part of his salary in the business. A first-class chance for a pushing, active young man. Address
W C F, care American Florist.

Help Wanted—Working foreman to take charge of a commercial place with about 150,000 feet of glass, to grow all kinds of cut flowers and plants for retail store. Only sober, honest, industrious man need apply. Good place for the right man. Write, stating wages wanted, references and full particulars, to
HENRY SMITH, corner Monroe and Division sts., Grand Rapids, Mich.

To Rent—Eleven greenhouses, rooms and stable in Clifton, Cincinnati, O. Apply to
Jno. J. SCHIFF, No. 506 Carlisle Building.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address
BAUR FLORAL CO., Erie, Pa.

Wanted—A sober, industrious young man as partner in a florist and nursery business. Man with wife only preferred. Good business. Address
FLORAL PARK, 1802 West Webb st., Pendleton, Oregon.

For Sale—Sixty-foot greenhouse, house, two lots, \$2,600. Or separate, glass boiler, pipe, \$25.
3181 Halston Av., Chicago.

For Sale—At a bargain 4 greenhouses 20x100 feet barn, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health.
J D, care American Florist.

For Rent—Old established greenhouses with good house, barn, all utensils, tools, etc. For particulars address
C E, care American Florist.

For Sale—An elegant greenhouse plant of 40,000 square feet of glass; must sell, have other business. Write for particulars.
W W, care American Florist.

For Sale—Over 12,000 feet of glass all heated by steam, in first-class condition. Will sell at reasonable price. Terms to suit. Address
GLASS, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale—New greenhouses, 11,000 feet glass, complete in every particular; established 6 years. Splendid retail trade; city of 45,000 inhabitants. We are the only florists here. Address
L. O'SULLIVAN, Superior, Wis.

For Sale—New glass, never been opened, 10 boxes A Double 16x24 at \$3.80 per box, 50 boxes B Double 16x24 at \$3.40, 40 boxes B Double 16x18 at \$3.5 per box, 50 boxes A Double 16x18 at \$3.40.
DAVIS BROS., Morrison, Ill.

For Sale—Two hundred and seventy five boxes new 16x18 double strength glass, part A and part B, which will be sold cheaper than the present market price. Write at once for price and terms.
I J K, care American Florist.

For Sale—Four greenhouses, Chicago, 7,000 feet of glass, on leased ground. Well stocked with carnations and potted plants. Good retail trade and long lease. Part cash. This is a great bargain.
J R F, care American Florist.

For Sale—Old established greenhouses, large lot good house and barn together with all the paraphernalia incidental to this line of business. Sickness compels an immediate sale of this plant. No reasonable offer refused.
CLARENCE E. SMITH, 145 LaSalle St., Chicago.

For Sale—At a bargain, 8 greenhouses well stocked and in good condition; steam heat gas for fuel at 15 cents per 1,000 feet, every convenience; only plant in city of 4,000 population, two main lines of railroads and street cars pass the door; will sell at a sacrifice, as I am in the hotel business 100 miles away from the greenhouses and cannot give them my attention. Address all communications to
N. Amos, Toledo, O.

WANTED...

First-class rose grower to take charge of section. Good references as to ability, character and sobriety. Address
THE J. A. BUDLONG & SON CO.,
564 Pontiac Avenue, - - Auburn, R. I.

FLORISTS' AMERICAN EXCHANGE

While there is an amount of correspondence being conducted in answer to inquiries to our several pointers and inquiries published thus far, there is none too much to receive our prompt and careful attention. Our office is now well equipped and we earnestly request anyone who has any desire to buy or sell to immediately send us a written statement of whatever these desires may be. Do not suppose that we can publish all we have to offer, and do not make the mistake of waiting for the publication of something exactly suited to your requirements. Our files are large and varied, and we shall be pleased to send anyone a moderate-sized list of opportunities available if they but give us a fair idea of their requirements.

Pointer No. 19. An opportunity for a good landscapergardener to enter into partnership with established firm. Will require no more than \$1000 investment as a pledge of good faith and sincerity. We understand there is no limit to the amount of business that can be done if the proper partner with the requisite skill and intelligence is forthcoming. The field of operations is in and about the city of Chicago, Ill.

Pointer No. 20. A greenhouse property for sale in an Illinois city. Two lots, a six-room framedwelling, three greenhouses heated by hot water, wagon, tools, stock, etc. Good market. The price and terms with a more detailed description will be found interesting. This, like many of our offerings, gives you a better start than you could ever get by establishing a new place.

A Hint to the Wise. Knowing of what use holly has been for the past twenty years, could you make any money by being the first to establish the traffic? How about Alabama smilax? If it were possible to go back ten years do you think you could venture your spare cash and energy in handling it for profit? Well, there is something better than the holly and equal to the Alabama smilax. In many ways more beautiful. Can be handled every day in the year. Stands shipment better than smilax. Is has been tried by parties who know what is needed. We intend to organize a company of a moderate size for next season's business. It will require a good reliable person in New York, Philadelphia, Boston, St. Louis, Chicago, Detroit, Cincinnati and Denver, besides a manager to attend to gathering, growing and shipping, with some working capital, about \$2,500 will do for a start. If you feel interested let us hear from you.

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,
Care Citizens Trust Company, MILWAUKEE, WIS.

Please mention the American Florist when writing.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave.,CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Mar. 24.

Roses, Beauty, long per doz.	4.00@5.00
" " med.	2.00@ 3 00
" " short	5.00@ 12.50
" " Bride, Bridesmaids	4.00@10.00
" " Meteor, Golden Gate	4.00@10.00
" " Perle	4.00@10.00
Carnations	2.00@ 4.00
Smilax	18.00@20.00
Asparagus	35.00@50.00
Violets	.50@ .75
Valley	2.00@ 3 00
Romans	1.50@ 2.00
Freerias	@ 2.00
Tulips	2.0@ 3.00
Daffodils	2.00@ 3.00
Callas	15.00
Harrisii	15.00

PITTSBURG Mar. 24.

Roses, Beauty, specials	40.00@60.00
" " extras	25.00@35.00
" " No. 1	10.00@15.00
" " ordinary	3.00@ 6.00
" " Bride, Bridesmaid	2.00@12.00
" " Meteor, Golden Gate	4.00@10.00
" " Liberties	3.00@ 8.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 3.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus, strings	30.00@50.00
Asparagus Sprengeri	2.00@ 4.00
Violets	.20@ .75
Lillies	4.00@15.00
Romans, Paper White	1.00@ 3.00
Tulips	2.00@ 4.00
Daffodils	1.00@ 3.00

CINCINNATI, Mar. 24.

Roses, Beauty	2.00@ 6.00
" " Bride, Bridesmaid	4.00@10.00
" " Liberty	4.00@10.00
" " Meteor, Golden Gate	4.00@12.00
Carnations	2.00@ 4.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Violets	.75@ 1.00
Narcissus	3.00@ 4.00
Romans	3.00@ 4.00
Harrisii	15.00
Calla	12.50

St. Louis, Mar. 24.

Roses, Beauty, long stem	3.00@5.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.50@ .75
" " Bride, Bridesmaid	4.00@10.00
" " Golden Gate	4.00@ 8.00
Carnations	1.00@ 5.00
Smilax	15.00@
Asparagus Sprengeri	1.00@ 3.00
" " Plumosus	25.00@50.00
Ferns	per 1000..... 3.50
Violets, single	.30@ .60
Narcissus Paper White	2.00@ 3.00
Valley	2.00@ 4.00
Romans	2.00@ 3.00
Dutch hyacinths	4.00@ 5.00
Tulips	3.00@ 4.00
Callas	10.00@12.50
Harrisii	12.50@15.00

HEADQUARTERS FOR WILD SMILAX

AMERICAN BEAUTY		Per Dozen.
36-inch stems		\$5.00
24 to 30-inch stems		\$3.00 to 4.00
18 to 24		2.50 to 3.00
15 to 18		2.00
12 to 15		1.50
Short stems, \$4.00 to \$8.00 per 100		
		Per 100
Bride and Maid		\$3.00 to \$8.00
Golden Gate		3.00 to 8.00
Liberty and Chatenay		6.00 to 12.00

OUR MURILLO TULIPS
are the best that the market affords

		Per 100
Carnations		\$1.50 to \$2.00
" " Fancy		2.00 to 3.00
Violets, Double		.50 to 1.00
" " Single		.40 to .60
Valley		3.00 to 4.00
Daffodils, Paper White		2.00 to 3.00
Tulips		2.00 to 4.00
Harrisii	per dozen,	\$2.00 15.00
Callas		1.50
Asparagus Sprengeri, sprays		2.00 to 5.00
" " Plumosus, string, 25c to 50c each		
Fancy Ferns	per 1000,	\$3.00 .85
Galax, Bronze, Green, 1000,		\$1.00 .15
Adiantum		.75 to 1.00
Leucothoe Sprays		.75
Smilax	per dozen,	\$2.00

Book your orders now for **EASTER LILIES** and other wants.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

FANCY CARNATION BLOOMS OUR SPECIALTY.

TELEGRAPH ORDERS FILED PROMPTLY.

Place Your Order Now For Easter.

J. D. THOMPSON CARNATION CO.
JOLIET, ILL.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration)
Write, Wire or Phone the Introducers,
CALDWELL THE WOODSMAN CO. Evergreen, Ala.,
or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

CUT FLOWERS OF ALL KINDS and Florists' Supplies.

Galax, bronze or green, 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss, Ferns.

Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, Commission Dealer,
130 E. 3d St., CINCINNATI, O.
Telephone, 880 Main.]

Please mention the American Florist when writing.

C. A. KUEHN, Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

J. M. McCULLOUGH'S SONS WHOLESALE FLORISTS

ALSO SUCCESSORS TO THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.
316 WALNUT ST. CINCINNATI, OHIO.

Orchids!

Just arrived in superb condition, a large shipment of **DENDROBIUM NOBILE**, most useful for florists; also **Dend. Chrysanthum** and others. To arrive, **Cattleya Trianae** and **C. Gigas**.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

Brant & Noe Floral Co.,

GROWERS OF
Cut Flowers at Wholesale.
Careful attention given shipping orders.
58-60 Wabash Ave., CHICAGO.

H.G. BERNING Wholesale Florist

1402 Pine St., ST. LOUIS, MO.
Please mention the American Florist when writing.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,

AT CHICAGO MARKET RATES.

42-44 E. Randolph St., CHICAGO, ILL.

Longiflorum Lilies...

—THE BEST STOCK IN THIS MARKET.—

\$15.00 per 100. \$125.00 per 1000.

—500 at 1000 rate.—

We shall have large supplies in all lines for Easter. Send along your orders, we can meet your needs if stock is to be had in this market.

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

CURRENT PRICE LIST.	
American Beauty.	
Stems, 30 to 40 inches.....	Per doz. \$5.00 to \$6 00
Stems, 24 ".....	4.00
Stems, 20 ".....	3.00
Stems, 15 ".....	2.00
Stems, 12 ".....	1.50
Short stems, \$6.00 to \$8.00 per 100	
Per 100	
Bride and Maid.....	\$8.00 to \$10.00
Meteor.....	6.00 to 10.00
Golden Gate.....	6.00 to 10.00
Roses, our selection.....	5.00
Carnations, standard sorts.....	4.00
" fancy.....	5.00 to 6.00
Callas, per doz.....	\$1.50 to \$2.00
Valley.....	3.00 to 4.00
Sweet Peas.....	1.00 to 1.50
Daffodils, Paper Whites.....	3.00 to 4.00
Tulips.....	3.00 to 5.00
Freeseias.....	3.00 to 4.00
Marguerites.....	1.00 to 1.50
Violets.....	1.00 to 1.50
Mignonette, per doz., \$.50 to \$1.00	
Asparagus, per string, 35c to 50c	
Galax..... per 1000, 1.25	.15
Ferns..... per 1000, \$3.50	.40
Leucothoe Sprays.....	1.00
Adiantum.....	1.00
Smilax..... per doz., \$2 50	

SUBJECT TO CHANGE WITHOUT NOTICE.

The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

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 CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.
Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and Shipper of **CUT FLOWERS**
60 WABASH AVE., CHICAGO.
Telephone 3067 Central.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

It is good business policy to mention the *American Florist*when writing to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.
Wholesale **CUT FLOWERS**
Roses and Carnations A Specialty.....

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street. MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Mar. 25.

Roses, Beauty, 30 to 36-in. stems	4.00@ 6.00
" " 20 to 24 "	3.00@4.00
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	6.00@ 8.00
" extra select.....	10.00@ 15.00
" Chatenay.....	6.00@12.00
" Bride, Bridesmaid.....	5.00@10.00
" Meteor, Golden Gate.....	5.00@10.00
Carnations.....	2.00@ 4.00
" fancy.....	5.00@ 6.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" " sprays 2.00@4.00	
" Sprenger.....	3.00@ 6.00
Violets, double.....	1.00@ 1.50
" single.....	.50@ 1.00
Leucothoe Sprays.....	2.00 1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000 2.50@ 3.50	
Smilax.....	12.50@15.00
Callas..... 1.00@ 2.00 per doz.	
Harrisii..... 1.25@ 2.00 "	
Tulips.....	2.00@ 4.00
Daffodils.....	2.00@ 3.00

SINNER BROS.
Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telegraph and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.

Wholesale Growers of **Cut Flowers**

and Dealers in **Cut Flowers**
All telegraph and telephone orders given prompt attention. 35-37
GREENHOUSES: Randolph Street
Morton Grove, Ill. CHICAGO, ILL.
Please mention the American Florist when writing.

WEILAND - AND - RISCH
CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

ALWAYS MENTION THE.....
...AMERICAN FLORIST
WHEN WRITING ADVERTISERS.

Leo Niessen FOR EASTER

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.
Long Stemmed Beauties In Quantity.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,
Best Boston Flowers.
All Florists' Supplies.
Distributing Depot for the KORAL LETTERS.
TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,
WHOLESALE FLORISTS.
MANUFACTURERS AND IMPORTERS OF FLORISTS' SUPPLIES.
AUCTION SALES OF PLANTS.
84 HAWLEY STREET, BOSTON.



WELCH BROS. CITY HALL CUT FLOWER MARKET, 15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.
1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.
Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr.
WHOLESALE FLORIST.
CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

GEORGE SALTFORD,
WHOLESALE FLORIST.
46 W. 29th Street, NEW YORK.
TEL. 3393 MADISON SQUARE.
Specialties: VIOLETS AND CARNATIONS.
Consignments of any good flowers 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.

N. Lecakes & Co.
53 W. 28th St., and 46 W. 29th St. Also at 26th St. and 34th St. Markets
NEW YORK.
FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES
GREEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$6.50 per case of 10,000.
Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.





WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$2.00 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. 'Phone 2618 Mass.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

Wholesale Flower Markets

BOSTON, Mar. 23.

Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@10.00
" " culls.....	1.07@3.00
" " Bride, Bridesmaid.....	2.00@4.00
" " extra.....	6.00@8.00
" " Liberty.....	4.00@10.00
Carnations.....	1.00@1.50
" " Fancy.....	2.00@3.00
Violets.....	.30@.50
Lily of the valley.....	2.00@3.00
Harrisii lilies, Calla.....	8.00@12.00
Smilax.....	12.00@20.00
Adiantum.....	.75@1.00
Asparagus.....	35.00@50.00
Daffodils.....	1.00@2.00
Tulips.....	1.00@2.00
Peas.....	.50@1.00

PHILADELPHIA, Mar. 23.

Roses, Tea.....	4.00@8.00
" " extra.....	10.00@15.00
" " Beauty, extra.....	25.00@40.00
" " firsts.....	12.00@20.00
" " Queen of Edgely, extra.....	25.00@40.00
" " firsts.....	12.00@20.00
Carnations.....	2.00@6.00
Violets, single.....	.30@.40
" " double.....	.50@.75
Lily of the valley.....	3.00@4.00
Daffodils.....	2.00@4.00
Tulips.....	2.00@4.00
Lilac.....	.50@2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	8.00@10.00
Longiflorum.....	10.00@12.00

BUFFALO, Mar. 24.

Roses, Beauty.....	3.00@35.00
" " Bride, Bridesmaid, Meteor.....	3.00@10.00
Carnations.....	1.50@5.00
Harrisii.....	12.50@15.00
Lily of the valley.....	3.00@5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@1.00
Violets.....	.20@.50
Callas.....	8.00@10.00
Sweet Peas.....	.40@.60

Get Our LAUREL FESTOONING

and Southern Smilax for your Easter decorations. No. 1 quality Laurel Festooning, made all round, full and the best made, fresh from the woods, 4c, 5c and 6c per yd. 50 lb. case, finest Smilax ever sold, only \$6.00. Fancy Ferns, \$2.00 per 1000. Dagger Ferns, \$1.50 per 1000. All stock Bronze and Green Galax, 75c per 1000; discount on 10,000 lots. Send us your orders early for Easter and get the best to be had at bottom prices and fresh from the woods. Satisfaction guaranteed. Thanking you for past favors we are yours to command.

CROWN FERN CO.
Millington, Mass
Tel. office, New Salem.
Long distance telephone connection.
Please mention the American Florist when writing.



Michigan Cut Flower Exchange,
WM. DILGER, Mgr.
All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.
Please mention the American Florist when writing.

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.
Wholesale Cut Flowers and Supplies.
Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.
Please mention the American Florist when writing

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1983 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS
Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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. Tel. 956 Madison Sq.
116 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. New York.
Cut Flower Exchange,

OPEN 6:00 A. M.

An Unequaled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

38 W. 28th Street, Cut Flower Exchange.
New Telephone No. 793 & 799 Madison Sq.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Mar. 23.

Roses, Beauty, Liberty, best.....	15.00@20.00
" " medium.....	4.00@ 8.00
" " culls.....	50@ 2.00
" Bride, Bridesmaid, G. Gate	2.00@ 8.00
Carnations.....	.75@ 2.00
" fancy and novelties.....	2.00@ 4.00
Lily of the valley.....	1.00@ 2.00
Lilies, Callas.....	6.00@10.00
Violets.....	.20@ .30
" special.....	.40@ .50
Smilax.....	10.00@20.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Dendrobium formosum.....	30.00@40.00
Mignonette.....	1.00@ 4.00
Tulips Hyacinths.....	.50@ 3.00
Narcissus.....	1.00@ 2.00
" Southern.....	.25c
Gardenias.....	25.00@50.00
Freesia.....	.06@ .12 per bun.
Stocks.....	.20@ .35 per bun.
Sweet peas.....	.04@ .12 per bun.

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St.
New York.
Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th. St. N.W New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER
GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Etruria	1	Sat. Apr. 2, 7:00 a. m.	Apr. 9
New York.....	"	Lucania	1	Sat. Apr. 9, 10:00 a. m.	Apr. 15
Boston.....	"	Saxonia	2	Tues. Mar. 29, 7:30 a. m.	Apr. 5
New York.....	Glasgow	Numidian	2	Thur. Mar. 31, 11:00 a. m.	Apr. 10
New York.....	Hamburg	Moltke	3	Thur. Mar. 31, 10:00 a. m.	Apr. 9
New York.....	"	Pennsylvania	3	Sat. Apr. 2, 6:30 a. m.	Apr. 12
New York.....	"	Deutschland	3	Thur. Apr. 7, 11:00 a. m.	Apr. 15
New York.....	Copenhagen	Oscar II	4	Wed. Mar. 30, 2:00 p. m.	
New York.....	Glasgow	Columbia	4	Sat. Apr. 2, 10:00 a. m.	Apr. 12
New York.....	"	Anchoria	5	Sat. Apr. 9, Noon	Apr. 19
New York.....	London	Minnetonka	6	Sat. Apr. 2, 7:00 a. m.	Apr. 12
New York.....	"	Marquette	6	Sat. Apr. 9, 9:30 a. m.	Apr. 19
New York.....	Liverpool	Majestic	7	Wed. Mar. 30, 10:00 a. m.	Apr. 6
New York.....	"	Arabic	7	Fri. Apr. 1, 5:00 p. m.	Apr. 8
New York.....	"	Oceanic	7	Wed. Apr. 6, 10:00 a. m.	Apr. 12
Boston.....	"	Cretic	7	Thur. Mar. 31, 9:30 a. m.	Apr. 7
Boston.....	Naples	Romanic	7	Sat. Apr. 9, 4:30 a. m.	Apr. 23
New York.....	Southampton	St. Louis	8	Sat. Apr. 2, 9:30 p. m.	Apr. 9
New York.....	"	New York	8	Sat. Apr. 9, 9:30 a. m.	Apr. 16
New York.....	Antwerp	Finland	9	Sat. Apr. 2, 10:30 a. m.	Apr. 11
New York.....	"	Vaderland	9	Sat. Apr. 9, 10:30 p. m.	Apr. 18
New York.....	Havre	La Champagne	10	Thur. Mar. 31, 10:00 a. m.	Apr. 10
New York.....	"	La Touraine	10	Thur. Apr. 7, 10:00 a. m.	Apr. 17
New York.....	Rotterdam	Statenland	11	Tues. Mar. 29, 10:00 a. m.	Apr. 8
New York.....	"	Potsdam	11	Tues. Apr. 5, 10:00 a. m.	Apr. 15
New York.....	Genoa	Liguria	12	Tues. Mar. 29, 11:00 a. m.	Apr. 13
New York.....	Bremen	K. Wil. Der Grosse	13	Tues. Mar. 29, 10:00 a. m.	Apr. 5
New York.....	"	Barbarossa	13	Thur. Mar. 31, 10:00 a. m.	Apr. 10
New York.....	"	Prinzess Alice	13	Thur. Apr. 7, 10:00 a. m.	Apr. 17
New York.....	Genoa	Prinzess Irene	13	Sat. Apr. 2, 11:00 a. m.	Apr. 15
New York.....	"	Kon g Albert	13	Tues. Apr. 12, 11:30 a. m.	Apr. 23
Boston.....	Liverpool	Widifredian	14	Wed. Mar. 30, 8:30 a. m.	Apr. 9
Boston.....	"	Bohemian	14	Wed. Apr. 6, 2:30 p. m.	Apr. 16

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland;

DETROIT.

JOHN BREITMEYER'S
SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. 
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

Please mention the American Florist when writing.

DENVER.

The Park
Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

Please mention the American Florist when writing.

NICKEL PLATE.
The New York, Chicago & St. Louis R.R.

NO EXCESS
FARE
ON ANY
TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuedays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, 113 Adame St., Chicago, Ill.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Umbria	1	Sat. Apr. 2	Apr. 9
Liverpool.....	"	Campania	1	Sat. Apr. 9	Apr. 16
Liverpool.....	Boston	Ivernia	1	Tues. Mar. 29	Apr. 5
Hamburg.....	New York	Pretoria	3	Sat. Apr. 2	Apr. 12
Hamburg.....	"	Graf Waldersee	3	Sat. Apr. 9	Apr. 19
Genoa.....	"	Auguste Victoria	3	Mon. Apr. 4	" 18
Genoa.....	"	Phoenicia	3	Sat. Apr. 9	" 24
Copenhagen.....	"	Island	4	Wed. Mar. 30	"
Copenhagen.....	"	Helig Olav	4	Wed. Apr. 6	"
Glasgow.....	"	Furnessia	5	Thur. Mar. 31	" 10
Glasgow.....	"	Ethiopia	5	Thur. Apr. 7	" 17
London.....	"	Minnehaha	6	Sat. Apr. 2	" 12
London.....	"	Minneapolis	6	Sat. Apr. 9	" 19
Liverpool.....	"	Teutonic	7	Wed. Mar. 30	" 6
Liverpool.....	"	Celtic	7	Fri. Apr. 1	" 8
Liverpool.....	"	Cedric	7	Wed. Apr. 6	" 13
Liverpool.....	Boston	Cymric	7	Thur. Mar. 31	" 7
Alexandria.....	"	Canopic	7	Thur. Mar. 31	" 20
Southampton.....	New York	St. Paul	8	Sat. Apr. 2	" 8
Southampton.....	"	Philadelphia	8	Sat. Apr. 9	" 16
Aotwerp.....	"	Kroonland	9	Sat. Apr. 2	" 11
Aotwerp.....	"	Zeeland	9	Sat. Apr. 9	" 18
Havre.....	"	La Lorraine	10	Sat. Apr. 2	" 12
Havre.....	"	La Bretagne	10	Sat. Apr. 9	" 19
Rotterdam.....	"	Ryndam	11	Sat. Apr. 2	" 12
Rotterdam.....	"	Noordam	11	Sat. Apr. 9	" 19
Genoa.....	"	Citta di Milano	12	Mon. Mar. 28	" 13
Genoa.....	"	Sicilia	12	Mon. Apr. 6	" 21
Bremen.....	"	Kaiser Wilh. II	13	Tues. Mar. 29	" 5
Bremen.....	"	Bremen	13	Sat. Apr. 2	" 12
Genoa.....	"	Koenigen Louise	13	Thur. Mar. 31	" 13
Genoa.....	"	Hohenzollern	13	Thur. Apr. 7	" 20
Liverpool.....	Boston	Cestrian	14	Sat. " 2	" 12
Liverpool.....	"	Devonian	14	Sat. " 9	" 19

* See steamship list on opposite page.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

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

GALAX

Bronze or Green, \$1.00 per 1000 or 75c per 1000 in 3,000 lots or more.

Leucothoe Sprays, green or bronze, per 100, 90c; per 1000 \$7.50.

Green Sheet Moss, per barrel sack, \$2.50.

Southern Smilax, fresh stock, per 50 lb. case, \$6.00. Per 25 lb. case, \$3.50.

Palm Buds, for Palm Sunday, short size, \$1.00 per doz.; medium size, \$1.50 per doz.; large size, \$2.00 per doz.

Palmetto Leaves, for decorations, large size, \$2.00 per 100; medium size, \$1.50 per 100.

Pot Covers, Porto Rico Matings and Crepe Paper in many rich varieties at lowest prices.

L. J. KRESHOVER,

110-112 W. 27th St., New York City.

Tel. 597 Madison Square.

ARRIVING

10,000 Hardy Roses

2-year old, 15 best varieties.

Tree Roses, IN COLORS.

Boston Ivy.

Clematis.

Japan Iris.

Canna Roots.

Dahlias.

Caladiums.

Pæonias.

Etc., Etc.

ALL A 1 STOCK.

— Send for complete list. —

E. F. Winterson Co.

E. F. Winterson. John P. Dignan. L. H. Winterson.

Successors to McKellar & Winterson.

45-47-49 Wabash Ave., CHICAGO, ILL.

Easter Lilies.

Japan Longiflorum Lilies, 3 to 20 buds, 6-inch to 10-inch pots, heavy foliage, full length of stem. Can ship in any quantity either cut flowers or plants. 12 cents per bud.

Samuel J. Bunting,

Elmwood Ave. and 58th St.,

Philadelphia, Pa.

Write us for **EASTER PRICES** on Easter Lilies, Roses, Carnations, Violets, Tulips, all Bulbous Stock in any Quantity.

PITTSBURG CUT FLOWER CO., LTD.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

THE CLEVELAND CUT FLOWER COMPANY

—SUCCESSORS TO—

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

The Seed Trade.

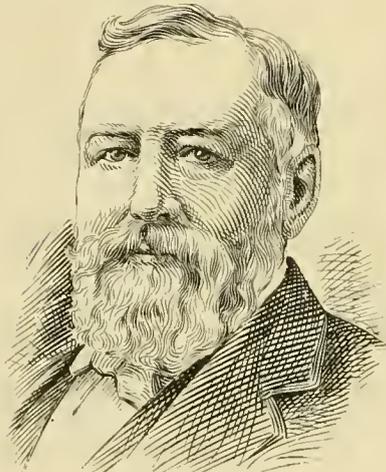
AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21, 1904.

VISITED CHICAGO.—Alfred J. Brown, of Grand Rapids, Mich.

FINE rains have fallen in the seed growing districts of California where the lack of rain is usually most feared and sufficient seems now to be assured.

NEWPORT, R. I.—The Geo. A. Weaver Company reports that while Rhode Island Bent Grass seed is no higher in price than previous seasons, that choice samples are not very plentiful—in fact the crop is not quite up to the average in quantity.



The late Edgar J. Bowen.
(See page 388.)

BEFORE the board of general appraisers, March 1, 1904, certain merchandise classified as seed peas under paragraph 250, tariff act of 1897, was claimed to be dutiable under the provision for dried peas under the same paragraph, and the protest was sustained.

FLOODS March 1 in the Sacramento valley, California, district have submerged the fertile islands in the river which were protected by levees and devoted to vegetable and seed growing. The Cox Seed Company reports that all of its growing contracts must be cancelled.

ONION seed is bound to be in better demand than anticipated and the supply may not be so much in excess of the demand as has been supposed.

The above clipping is a pleasing illustration of indefiniteness. A correspondent asks, "About how good a demand was anticipated and about how large an excess was supposed, and lastly about what will be the excess supply?"

St. Louis.

Mrs. Mary H. Ostertag, a florist of 506 North Grand avenue, has asked the police to arrest a man who worked a shrewd game March 18. He claimed to be houseman for "Mrs. Fischer," 4038 Westminster place, and, calling at the

Ostertag Floral Co., stated that "Mrs. Fischer," was going to give a house party and wanted to rent three palms. Mrs. Ostertag sent the palms by a boy. The man took the plants and told the boy to bring three more. Police inquiry developed that no "Mrs. Fischer" lives at the address. The thief had asked permission to leave the palms in the yard for a few minutes, but took them away immediately.

NEW BEDFORD, MASS.—The annual meeting and banquet of the New Bedford Florists' club was held March 10 at the Mansion house, when seventeen members of the club had a very enjoyable time. Officers were elected as follows: President, E. Y. Pierce; vice-president, A. B. Hathaway; treasurer, W. L. G. Brown; secretary, William P. Pierce; executive committee, R. S. Hoxie, S. S. Tucker and J. H. Gray.

SPRING AND SUMMER BULBS

6 at Dozen; 25 at 100; 250 at 1,000 Rates.

BEGONIAS, Tuberos Rooted.			
Single, in five separate colors.	12	100	1000
1st size	\$.40	\$2.75	\$25.00
2nd size	.35	2.50	22.50
All colors mixed	.30	2.00	18.50
Double, in four separate colors.	.60	4.50	40.00
All colors mixed	.50	4.00	35.00

CALADIUM.			
Esculentum, Elephant's Ear	12	100	
6x8 inches	\$.30	\$2.00	
8x10 inches	.50	3.50	
10x12 inches	.85	6.00	

Fancy Leaved CALADIUM.			
Due from Brazil by 3 th an assortment	12	100	
of the most brilliant colored rare sorts	3.00	20.00	

CANNAS. All true to name, fine strong roots			
A. Bouvier, Alsace, C. Henderson,	12	100	
Austria, Q. Charlotte, F. Vaughan,			
Crozy, Shenandoah.	\$.30	2.00	
Beaute Poitvine, S. Chambranne, Pres.			
McKinley, Pres. Cleveland, S. d'A.			
Crozy, Mlle. Berat, D. of Marlborough,	.50	3.50	
M. Washington, S. Trelease, Gloriosa.	.75	5.00	
Black Beauty, Mrs. K. Gray	1.00	8.00	
Mixed Cannas	.30	2.00	

DAHLIAS, strong field roots.			
Fancy, Show, Cactus, Pompon, named.	12-	100	
our choice	\$1.00	\$7.50	
All mixed	.75	5.00	

CLOXINIAs, Large plump bulbs.			
Separate white, red, blue, violet.	12	100	1000
purple, tigered and mottled.	\$.50	\$3.00	\$30.00
All colors mixed	.45	3.00	27.00

GLADIOLI.			
American Hybrid, Elite Mixture	12	100	1000
1st size	\$.20	\$1.00	\$ 8.50
2nd size	.15	.75	6.00
All white and light XXX very best.	.30	2.00	17.00
All rose and pink	.25	1.25	10.00
Groff's Select Hybrids, most beautiful	.40	2.50	20.00
May, Florists' XXX forcer, dawn color	.30	1.75	15.00
Agusta, finest white forcer	.60	4.00	
Shakespeare, rose and white	.75	5.50	

JAPAN LILIES.			
L. Auratum, 6x8-inch	12	100	
" 7x9-inch	\$.50	\$3.50	
" 8x11-inch	.70	5.00	
" 9x11-inch	.90	7.00	
" 11x13-inch	2.00	13.00	
Rubrum, 7x9-inch	.70	5.00	
" 8x11-inch	.85	6.00	
Album, 7x9-inch	.70	5.00	
" 8x11-inch	.85	6.00	
" 11x12-inch	1.20	8.00	

EMPRESS Lily of the Valley.
Berlin, from cold storage, 1000, \$12.00.
Case 250, \$25.00.

PEONIES.			
Officialis Rubra, double red	12	100	
" Rosea, double rose	\$1.10	\$ 8.00	
" Alba, double white	1.50	9.00	
2.00	15.00		

Japan Herbaceous, to clear-out, half price..... 2.50 20.00

IRIS KAEMPFERI. 12 100 1000
Flowering clumps in 50 sep. sorts \$1.25 \$8.00 \$70.00

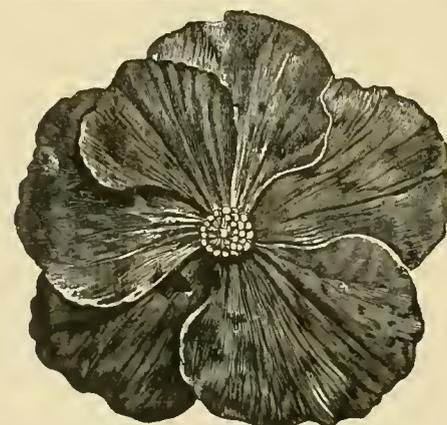
TUBEROSES. Ex. Pearl Double.

3x4 inches circumference	.10	.50	3.50
4x6 inches circumference	.20	1.00	7.00

FLOWERING AND OTHER SHRUBS.
Japan Maples, beautiful foliage Each 12 100
for pots or out doors. 18x24 in. \$.35 \$3.50 \$75.00
24x36 inches .60 6.00 50.00
(Choice of finest, hardiest sorts).
Magnolia Conspicua stroug pils. .45 4.50
Magnolia Stellata rosy white
flowers, strong plants.... .45 4.51

Plant now for DECORATION DAY.
COLD STORAGE HARRISII BERMUDA LILIES.
5x7inch.....per case of 400, \$7.00; 1000, \$15.00
6x7-inch.....per case of 300, \$7.00; 1000, \$20.00
SPECIAL OFFER FOR THIS WEEK ONLY.
5 per cent discount for every order.
Send us your list of wants for Liliium Harrisii, Freesia, Calla, Oxalis, French and Dutch Bulbs, Azaleas. We can save you money on early orders.

H. H. BERGER & CO., 47 Barclay St., New York.



SINGLE TUBEROUS ROOTED BEGONIA.

TUBEROSES.
DWARF EXCELSIOR PEARL. Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers. First size bulbs, \$1.00 per 100; \$8.00 per 1000; Medium size bulbs, 60c per 100; \$4.50 per 1000.

SUMMER FLOWERING BULBS For Spring Shipment.

BEGONIAS, Tuberos Rooted, Giant Flowering Varieties.
We import only Bulbs which are grown from the finest large-flowering strains of seed, and which are sure to give satisfaction.
SINGLE, White, Yellow, Scarlet and Pink, 40c per dozen; \$3.00 per 100.
DOUBLE, White, Yellow, Scarlet and Pink, 65c per dozen; \$5.00 per 100.

BEGONIA LAFAYETTE. A splendid bedding variety of this well known family. Flowers are of a most brilliant fiery scarlet, double and borne upright on their stalks. One of the best for bedding, as it blooms all summer. Each 25c; Doz. \$2.65.

CALADIUM ESCULENTUM.			
	Each	Doz.	100
5 to 7 inches in circumference	\$0.05	\$0.40	\$2.50
7 to 9 "	.06	.60	4.00
9 to 12 "	.10	.95	7.00
12 inches and up	.18	1.75	14.00

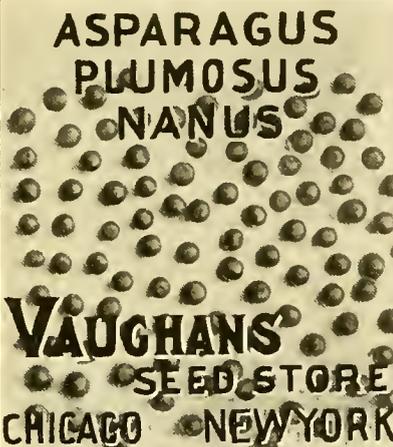
GLADIOLUS.
VAUGHAN'S FLORIST MIXTURE, Light and White, 1.75 per 100; \$15.00 per 1000.
Also full list of named varieties. Write for prices.

MIKADO FERN BALLS,
7-9 inches..... \$3.00 per Doz.; \$25.00 per 100
5 inches..... 2.25 per Doz.; 15.00 per 100

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.
Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS NANUS



VAUGHAN'S SEED STORE
CHICAGO NEW YORK

ASPARAGUS Plumosus Nanus.

NEW CROP. GREENHOUSE GROWN SEED.

Special Price for the Next 10 Days.

Per 1000 Seeds, \$6.00.
10,000 Seeds, \$55.00.

2 per cent cash with order.
April is the best time to sow this seed.

VAUGHAN'S SEED STORE,
CHICAGO, NEW YORK.
84-86 Randolph Street. 14 Barclay Street.



The most profitable plant a florist can grow. Can be started every month and SELLS EVERY DAY IN THE YEAR.

Vinca Variegata.

Large clumps, nice young growth, \$4.50 per 100 to close out

AGERATUM, Gurney, Pauline., SALVIA, Splendens. Silver Spot, Bonfire. PETUNIA, double, 15 kinds. VINCA, variegated, DOUBLE ALYSSUM, 2-inch, 2c.

REX BEGONIA, 2 sorts, 3c.

Rooted Cuttings Prepaid. SALVIA, Silver Spot, Bonfire, Splendens. STEVIA, variegated, 90c per 100. AGERATUM, White, S. Gurney, P. Pauline. ALTERNANTHERA, red, yellow, 50c per 100. PINKS, 5 fine kinds, 75c per 100. VINCA, Variegated, 75c per 100. PETUNIA, double, 15 kinds, \$1.00 per 100. FUCHSIAS, 5 kinds, \$1.25 per 100. DAISY, \$1.00 per 100. HELIOTROPE, blue, \$1.00 per 100. REX BEGONIA, assorted, \$1.10 per 100.

HARDY PINKS, Field clumps, good sorts, \$4.50 per 100 to close out.

CASH

BYER BROS., Chambersburg, Pa.

60,000 CANNAS

In first-class shape. 30 best varieties, true to name from \$1.00 per 100 up. Send for price list.

KENTIA BELMOREANA, nice clean stock, 3-in., \$1.50 per doz.; 4-in., \$3.00 per doz.

RUBBER PLANTS, 15 to 25 cents each.

1,000 VINCA VARIEGATA, extra heavy 4-inch pots, \$8.00 per 100. Rooted Carnation Cuttings. Write for prices.

W. W. COLES,
KOKOMO, IND.

CANNAS.

Dry tubers, our choice of sorts and colors, \$1.00 per 100. We will furnish good assortment in the following varieties: Florence Vaughan, Canary, Burbank, Grand Rogue, Mme. Crozy, Chas. Henderson, Bronze Bedder, Beaute Poitevine, J. Montel, J. D. Eisele, Duke of Marlborough, Scarlet Queen, etc.

Per 100	
Ceranlums—Good plants.....	\$4.00
Strong plants, bud and bloom.....	6.00
Heliotrope of sorts, good stock.....	4.00
Coleus—Rooted Cuttings, 75c per 100; Plants 2.50	
Alternantheras—3 kinds, Rooted Cuttings..	.50
Plants, bushy.....	2.50
Begonias, in good assortment.....	4.00

ROBERT S. BROWN & SON,

Box 335, KANSAS CITY, MO.

Always mention the.....

American Florist

when you write to an advertiser.

Lily of the Valley Pips.



For Immediate Delivery From Cold Storage

ALL THE YEAR ROUND.
PRICES ON APPLICATION.

Cygus Revoluta Stems.

1 to 5 lbs. each, 300 lbs. to case. Sold in case lots only.

Send for our list of Surplus Nursery Stock.
SUZUKI & IIDA, 31 Barclay St., NEW YORK.

Please mention the American Florist when writing.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburg, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, SEED GROWERS, PHILADELPHIA, PA.

Please mention the American Florist when writing.

... CANNAS ...

F. Vaughan, J. C. Vaughan, Burbank, \$1.50 per 100; \$12.00 per 1000. ALTERNANTHERA, the new Brillantissima, finest of all, \$1.00 per dozen; \$8.00 per 100. BOSTON FERNS, 2 1/2-inch, ready for 4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; PIERSON FERN, 2 1/4-inch, ready for 4-inch, \$8.00 per 100; 5-inch, fine, 50c. ASP. PLUMOSUS, 2 1/2-inch, extra fine, \$3.50 per 100. ASP. SPRENGERI, 2 1/2-inch, \$2.00 per 100. CARNATIONS, Queen Louise, R. C. \$1.25 per 100; \$10.00 per 1000. COLEUS, 15 varieties, 2-inch, \$2.00 per 100.

CASH PLEASE.

A. J. BALDWIN, Newark, Ohio.

Please mention the American Florist when writing.

Cannas...

Chas. Henderson, Chicago, Papa, McKinley, Alphonse Bouvier, Florence Vaughan, Egandale, C. D. Cabos. Strong healthy tubers, 2-3 eyes true to name, \$1.75 per 100; \$15.00 per 1000.

PAUL MADER, E. Stroudsburg, Pa.

Please mention the American Florist when writing.

Tritomas.

Pfitzeri and Uvaria Grandiflora, Dahlias, named, Iris, Lilies, Zephyranthes, Canna Black Beauty, Amaryllis Formosissima. Bulbs and Hardy Plants. Write for price list.

E. S. MILLER, WADING RIVER, N. Y.

Please mention the American Florist when writing.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

VISITED CHICAGO: S. Mendelson Meehan, of Thomas Meehan & Sons, Philadelphia, Pa.

FLORENCE, COL.—A heavy snow of March 12 imperils the prospective fruit crop. The trees are almost in bloom.

SINGLE eyes in grape vines and similar subjects make the best cuttings, the growth starting advantageously low, close to the sand.

CUTTINGS of hardy shrubs and trees should be secured before the wood has become frozen and kept protected from frost, otherwise success is doubtful.

Retail Men Band at Rochester.

The National Association of Retail Nurserymen, planned at a meeting held in Rochester, N. Y., March 10, was formally organized at a banquet in Powers hotel, Rochester, March 19, when a constitution was adopted and officers and an executive committee elected. While dealers of western New York organized the association it will admit members from throughout the United States. The officers are:

President—William Pitkin, of Rochester.
Vice-President—O. G. Chase, of Geneva.
Secretary-Treasurer—John B. Kiley, of Rochester.

Executive committee—C. H. Stuart, of Newark; E. S. Osborne, of Rochester, and Walter W. Wyman, of Rochester.

The objects of the association are to promote cordial business relations among its members, to advance their interests and prosperity, and to deal with any important matter that may arise in connection with the nursery business. The following firms were represented at the dinner:

- | | |
|----------------------|-----------------------|
| Allen Nursery Co. | H. J. Bowden |
| Brown Bros. Co. | E. J. Bowden & Co. |
| G. Costich & Co. | Chase Bros. Co. |
| Charlton Nursery Co. | Charles H. Chase |
| Ellwanger & Barry | Glen Bros. |
| F. E. Grover & Co. | Graham Nursery Co. |
| Hooker, Wyman & Co. | Hawks Nursery Co. |
| R. D. Luetchford | George Moulson & Son |
| Oliver Bros. Co. | Rochester Nursery Co. |
| H. S. Taylor & Co. | Western New York Nur- |
| Irving Rouse | sery Co. |
| C. L. Yates | Pinnacle Nursery Co. |

Clark Nursery Co. Peirson Bros., Waterloo.
C. W. Stuart & Co., R. G. Chase Co., Geneva.
Newark.

The following nurserymen from out of the city were at the banquet: C. W. Stuart, J. M. Pitkin, Jr., W. M. Gould and F. M. Phelps, of Newark; O. G. Chase and G. R. Watson, of Geneva; H. W. Clark and S. J. Peirson, of Waterloo. William C. Barry addressed the nurserymen on the value of trade organizations and social gatherings.

California Privet...

LAST CALL!

8,000 18 to 24-inch, bushy, \$9.00 per 1,000.
7,000 12 to 18-in., branched. 7.00 per 1,000.
Other sizes sold out.

FURROW BROS., Guthrie, Okla.

DAHLIAS...

Comprising some 500 varieties mixed, all the different classes; by the 1000 or less; whole clumps, or divided or single tuber; field-grown and in good condition.

Watertown Dahlia Farm,
WATERTOWN, CONN.

NATIVE PERENNIALS FOR THE WILD GARDEN.

Herbaceous Plants, Irises and Lilies for the Garden Border, for Spring Planting. Price List sent on application.

SHATEMUC NURSERIES,
Barrytown, Dutchess Co., N. Y.

Dormant Roses.

FIELD-GROWN. H. P.'s and Mosses. MANETTI STOCKS. Fine disbudded plants. No. 1, 2 and 3. Only in lots of 5000 and upwards. Prices and samples upon application.

Huntsville Wholesale Nurseries,
Huntsville, Ala.

"EDWARD VII"

The Latest Apple in Existence.
Season Mid-April to Mid-June.

Golden Noble for color, Blenheim Orange for flavor.

AWARD OF MERIT (UNANIMOUS) ROYAL HORTICULTURAL SOCIETY, MARCH 24, 1903.

Retail Price—1-year, 12s 6d; 2-year, 15s. 3-year, 20s each.
Grafts, Price on application.

W. B. Rowe & Son,
Barbourne Nurseries, WORCESTER, ENGLAND.
ESTABLISHED NEARLY TWO CENTURIES.

Hardy Ornamental Stock Crown in the Most Northern Nurseries in the United States.

Special Offers for Shrewd Buyers.

Ornamental Trees.

Ash, American	5-6 feet	8c
Ash,	4-5 feet	7c
Birch, Paper or Canoe	6-7 feet	20c
Birch,	4-6 feet	15c
Catalpa Speciosa	6-7 feet	8c
Catalpa	5-6 feet	7c
Cottonwood	10-12 feet	10c
Cottonwood	8-10 feet	8c
Weir's Cut Leaf Maple	6-8 feet	15c
Mountain Ash, European	6-8 feet	12c
Mountain Ash,	5-6 feet	10c
Mountain Ash, Oak-Leaved	6-7 feet	20c
Poplar, Golden	6-7 feet	12c
Poplar,	4-6 feet	10c
Poplar, Silver	5-6 feet	5c
Poplar,	6-8 feet	6c

Shrubs.

Althea, Assorted	2-3 feet	8c
Barberry, Purple	2-3 feet	10c
Barberry	12-18 in.	5c
Currant, Red Flag	2-3 feet	8c
Red Twig Dogwood	2-3 feet	10c
Deutzia, Assorted	2-3 feet	8c
Deutzia,	3-4 feet	10c
Golden Elder	3-4 feet	8c
Purple Fringe	2-3 feet	8c
Hydrangea, P. G.	2-3 feet	8c
Hydrangea,	18-24 in.	6c
Snowberry, White Fruited	3-4 feet	8c
Spiraea, Assorted	2-3 feet	8c
Spiraea, Assorted	3-4 feet	10c
Syringa,	2-3 feet	8c
Syringa,	3-4 feet	10c

Climbers.

Amp. Quinquefolia	1 year	3c;	2 year	4c
Amp. Veitchii	1 year	5c;	2 year	8c
Clematis, Assorted	2 year	20c		
Matrimony Vine	2 year	4c;	3 year	6c
Bitter Sweet	3 to 4 ft.	2 year	7c	

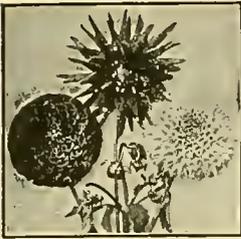
Herbaceous Plants.

Golden Glow	2c
Achillea, The Pearl	2c
Chrysanthemum, Max	3c
Coreopsis	2c
Hypericum	4c
Iris Germanica, Aquilegia	3c

And many others in great variety. Send for our special Wholesale List. CATALOGUE FREE describing many new and valuable varieties.

L. L. MAY & CO., St. Paul, Minn.
NURSERYMEN. FLORISTS & SEEDSMEN.

LOUIS LEROY, ANGERS, (FRANCE)
M. KOSTER & SONS, BOSKOOP, (HOLLAND)
OVER 1000 ACRES OF FINEST CULTURES.
REPRESENTING BEST WHOLESALE EUROPEAN NURSERIES.
SEEDLING STOCK, SHRUBS, ORNAMENTAL TREES, EVER-GREENS, FORGING PLANTS.
SUPERIOR QUALITY, GRADING AND PACKING.
SATISFACTION GUARANTEED.
AUG. RHOTERT, 26 Barclay St. N.Y.
P. J. LOYMAN & SONS, OUDENBOSCH, (HOLLAND)
J. PALMER & SON, Ayr, (SCOTLAND)
J. F. MULLER NURSERY, Rellingen, (Germany).
FINEST RAFFIA AND TREE SEEDS.



Dahlias

Mrs. Winters

The World's Best
White Dahlia.
\$18.00 per 100.

Ingeborg Egeland,
the best scarlet
cactus, \$5.00 per
doz. Other novelties and standards. Also 20,000
double field-grown Hollyhocks in separate colors
of red, white, pink, yellow and maroon, \$3.00 per
100. Gladioli and hardy plants. Send for cata-
logue before ordering.

W. W. WILMORE, The Dahlia Specialist.

Box 382, DENVER, COLO.

Please mention the American Florist when writing.

CALIFORNIA PRIVET.

	Per 1000
200,000 2 yrs., 2 to 2½ ft., very bushy.....	\$20.00
150,000 2 yrs., 18 to 24 in., very bushy.....	16.00
100,000 2 yrs., 12 to 18 in., very bushy.....	10.00
200,000 1 yr., 12 to 18 in., branched.....	9.00
200,000 1 yr., 10 to 12 in., branched.....	7.00
100,000 Cuttings, 8 in., strong.....	.80
100,000 Cuttings, 8 in., light.....	.60

Also have a large stock in Asparagus Roots, 2 yrs.,
Palmello and Barrs, 30,000 Canna Roots, 50,000
Tuberose Roots, 5,000 Geraniums, 2½ pots, all good
stock and low prices. Write for trade list.

J. H. O'HACAN, Little Silver, N. J.

Please mention the American Florist when writing.

Philadelphia Rambler.

The new forcing rose, strong field plants,
\$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00
per 100.

The Conard & Jones Co., WEST GROVE, PA.

2,500 Norway,

Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in.
At bottom prices.

J. J. STYER, Concordville, Pa.

J. DIJKHUIS & CO.

BOSKOOP-HOLLAND.

QUALITY. QUANTITY.

Ask our prices for

AZALEAS, RHODODENDRONS, PEONIES,
ROSES, HARDY EVERGREENS,
CLEMATIS, Etc.

Price List Free on Application.

"You Cannot Fool all the People all the Time."

This is as true now as the day when Lincoln
said it, but still many bulb firms are trying to do it.

Write us and see what we have to offer before
buying elsewhere.

John Scheepers, 136 Water Street, New York.
Farms at HILLEGOM, HOLLAND.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and
all kinds of Forcing Bulbs and Decorative Plants for
Florists or Nurserymen. Raffia, choicest grades
always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Jacs Smits, Ltd. NAARDEN, (Holland.)

(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy,
Ornamental
nursery stock, pot-grown forcing plants. Lilacs
a specialty. Berlin and Hamburg Valley—the
best quality.

When in Europe please inspect our nurseries.
NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot.

CALIFORNIA PRIVET.



VIEW OF ONE OF OUR BLOCKS OF CALIFORNIA PRIVET.

The Glenwood Nurseries offer the finest Trees both

DECIDUOUS and EVERGREEN, FLOWER- ING SHRUBS and VINES OF ALL SIZES IN GENERAL ASSORTMENT.

California Privet and other Hedge Plants are specialties.
Special quotations to large buyers. We invite you to visit our nurseries.
Send for our trade list.

The WM. H. MOON CO.,

Morrisville, Pa.

60 Miles from New York.
30 Miles from Philadelphia.

NOW IS THE TIME TO ORDER

	Per 100	Per 1000
Exochorda Gril., 18 to 24-inch, bushy.....	\$ 8.00	
Lonicera, ¼ Belgica and Heckrotti, 3 to 4 feet, bushy.....	8.00	
Ampelopsis Japonica, 2½-inch pots.....	4.00	
Cedrus Deodara, 18 to 18-inch.....	25.00	
Cedrus Deodara, 22 to 24-inch.....	30.00	
Oranges, best sorts, grafted, bearing size 12-inch, bushy, 4-inch pots.....	20.00	
Ligustrum Amurense, true, 2 to 3-feet branched.....		per 1000, \$20.00
Oranges, 15 to 18-inch, 5-inch pots.....		30.00
Lemons, grafted, 18 to 24-inch, 5-inch pots.....		30.00
Kentia Belmoreana, 12 to 5-inch, 5 leaves.....		18.00
Lalania, 15-inch, 3 to 4 ch. leaves.....		20.00
Phoenix Canariensis, 15 to 18-inch, 2 to 3 leaves, showing character.....		15.00
Not less than 50 of a kind at above prices.		

Write for Wholesale and Descriptive Catalogue.

P. J. BERCKMANS CO., (Inc.)

FRUITLAND NURSERIES.

Established 1858.

AUGUSTA, GA.

Specimen Shrubs and Fine White Pines.

SEND FOR PRICES.

EASTERN NURSERIES, Jamaica Plain, Mass.

When in Europe come and see us and inspect our
extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the
famous Colorado Blue Spruces, purest, bluest strain

W. VAN KLEEF, JR.,

Representing W. VAN KLEEF & SON,
BOSKOOP, HOLLAND.

Wholesale Growers of Nursery Stock, is now
in this country visiting the trade. He will remain
until the end of April. All correspondence
intended for him should be directed to him in care
of Mallus & Ware, 136 Water Street, New York.
Send for our complete catalogue and price list.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Baltimore.

The scores in the inter-city bowling contest between the Washington, Philadelphia and Baltimore Florists' Clubs played at Baltimore recently follow:

WASHINGTON.				
Player	1st	2nd	3d	T'l
Cook.....	176	146	332	
Barber.....	99		99	
Schaefer.....	128	171	134	433
McLellan.....	229	129	165	523
Sherman.....	135	141	180	456
Ernest.....	141	163	123	427
Total.....	732	780	738	2250

BALTIMORE.			
Player	1st	2nd	3d
Richmond.....	168	122	168
Halliday.....	145	209	176
Boone.....	134	146	143
Kreh.....	224	201	180
Seybold.....	193	173	183
Total.....	864	852	850

PHILADELPHIA.				
Player	1st	2nd	3d	T'l
Gibson.....	163	123	137	423
Dunlap.....	164	185	103	552
Starkey.....	140	182	164	486
Graham.....	161	139	146	446
Connor.....	190	194	198	582
Total.....	818	823	848	2489

At Philadelphia.

The three-cornered match between Baltimore, Washington and Philadelphia was in every way a success, at least for the local boys, as they won from Baltimore by one hundred pins, which puts them in the lead for the silver cup. There is to be another match in Washington in the near future. Total pins in all three matches is to decide the contest. George Moss covered himself with glory by making 244 for high single game and a total of 604 in the three. The score follows:

WASHINGTON.			
Player	1st	2nd	3d
Sherman.....	219	186	192
Schaffor.....	198	121	118
MacLennan.....	152	157	129
Ernst.....	156	157	174
Cooke.....	166	135	138
Totals.....	891	756	751

PHILADELPHIA.			
Player	1st	2nd	3d
Gibson.....	134	162	157
Starkey.....	144	168	172
Dunlop.....	177	201	168
Graham.....	210	156	124
Moss.....	168	192	244
Totals.....	833	879	865

BALTIMORE.			
Player	1st	2nd	3d
Richmond.....	202	169	192
Halliday.....	140	142	126
Kreh.....	190	182	187
Seybold.....	199	174	167
Lehr.....	137	139	131
Totals.....	863	806	803

At New York.

Monday night at the bowling alleys is gradually assuming importance as an indispensable function, and a goodly party is now assured at each meeting. Last Monday there were ten bowlers and would-be bowlers in attendance. The scores are appended without comment further than that the figures, truthful as they are, do not tell half the story of the occasion:

Player--	1st	2nd	3rd
Lang.....	177	178	196
Siebrecht.....	146	148	151
Sampson.....	121	142	144
Nugent.....	82	89	111
Hafner.....	168	178	178
Raynor.....	109	128	129
Stewart.....	83	98	90
Traendly.....	116	122	122
Young.....	96	122	124
Gibbs.....	149	161	176

NEWPORT, R. I.—The greenhouses and contents belonging to Mrs. Ogden Golet narrowly escaped destruction by fire on March 16. The flames started in the boiler room where they did a damage of \$500 but were prevented by the firemen from spreading to the grapeery adjoining where the loss would have been very heavy.

HINODE FLORIST GO.

County Road, SECAUCUS, N. J.
And Fifth Street, WOODSIDE, N. Y.

Largest Growers of EASTER LILIES

Plants with from 4 to 8 buds. Prices 12c per bud for pot plants. 11c per bud for cut flowers. Fine AZALEAS, 50c up.

—ALSO—

Japanese Novelties In Blooming Wistarias, Etc.

When in Doubt

as to where to send for your supply of

EASTER CUT FLOWERS

bear in mind that we receive daily the cut of

40 GROWERS

And can furnish "Highest Qualities" as well as "Under Grades" at Market Quotations. We are especially strong in

Longiflorum Lilies, Fancy Carnations, Violets and Bulbous Stock.

HEADQUARTERS FOR "SUPERIOR QUALITY" BRAND

Wild Smilax (None Beller), Galax, Fancy Ferns, Etc.

We carry the most complete line of FLORISTS' SUPPLIES in the west. CATALOGUE FREE.

E. F. WINTERSON CO.

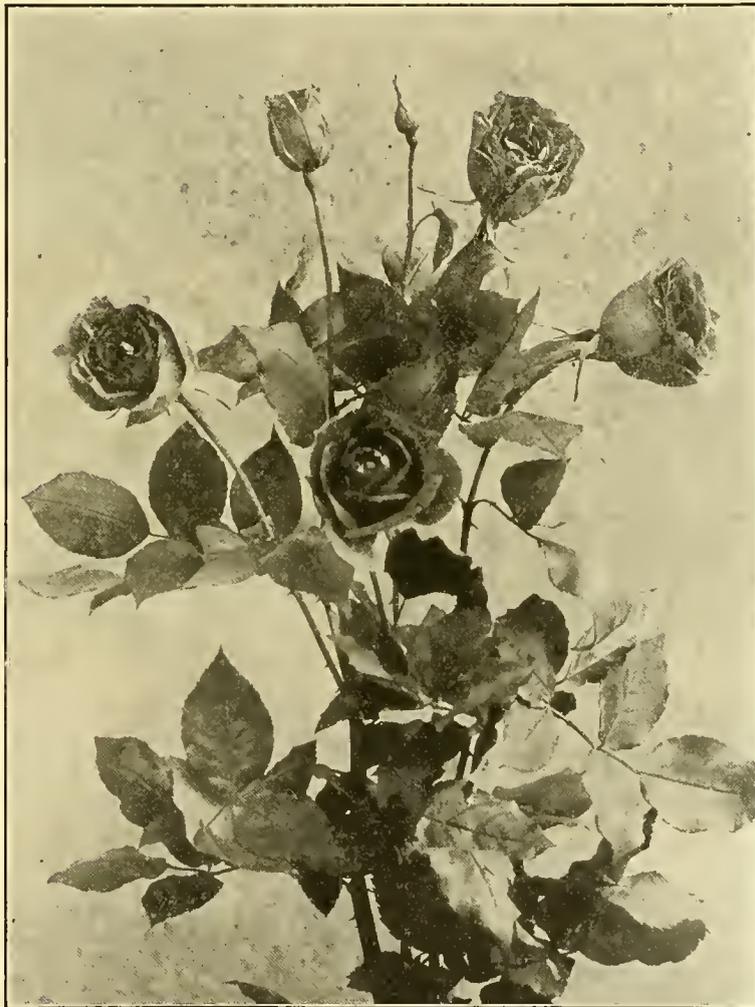
E. F. Winterson, John P. Degnan, L. H. Winterson,
Successors to McKELLAR & WINTERSON.

45-47-49 Wabash Ave., CHICAGO.

New Rose General MacArthur

Hybrid Tea.

Color by far the most brilliant of any shade of crimson forcing rose ever offered, retaining its brilliancy when fully expanded. It is also one of the very sweetest varieties ever offered, of very easy culture, as it can be grown in the same temperature as an ordinary Tea variety such as Bride. It is a good, strong, vigorous grower, producing stems 24 to 30 inches long, a free and continuous producer. It can be grown at much less cost than Meteor or Liberty and is a much brighter color than either. Also larger when fully expanded. We predict that this will be the red rose for the multitude. Ready for distribution April 1, 1904.



PRICES:

From 2 1-2-inch Pots. Own Roots.	Per Dozen
\$ 6.00	per 25
10.00	per 50
15.00	per 100
25.00	per 250
57.50	per 500
170.00	per 1000
200.00	per 1000

Extra strong 3-inch stock at \$4.00 per 100 additional to above figures.

Crafted Plants from 2 1-2-inch Pots.	Per Dozen
\$ 7.00	per 25
12.00	per 50
18.00	per 100
32.00	per 250
72.50	per 500
140.00	per 1000
260.00	per 1000

Extra strong 3-inch stock at \$4.00 per 100 additional to above figures.

PRICES:

The **STORRS & HARRISON CO.**
PAINESVILLE, OHIO.

JOHN N. MAY,
SUMMIT, N. J.

DAILY RECEIPTS LARGEST IN NEW YORK.

SHIPPING TRADE SOLICITED.

Wm. Ghormley,

Lilies, Roses, Violets, Callas, Orchids, Carnations, Lily of the Valley, Daffodils, Tulips, Peas, Smilax, Asparagus, Adiantum Farleyense. Largest stock in the country for Easter.

57 W. 28th St., NEW YORK.

Telephones 2200 and 2201 Madison Sq.

A FULL STOCK OF LONGIFLORUMS.

BEST BEAUTIES IN ANY QUANTITY.

STILL DOING BUSINESS AT THE OLD STAND.

JOHN BURTON, Assignee for

Robt. Craig & Son

Our Easter Stock

Is this year larger and in as fine condition as we ever had it.

Write for Price List at once.

REMEMBER YOU WILL BE ORDERING CRAIG STOCK.

It will pay you to come and look our stock over. Customers can depend on our usual great care in packing and shipping.

Market and 49th Sts., PHILADELPHIA, PA.

JOHN BURTON, Assignee.

500,000 Unrooted Carnation Cuttings.

WHITE.				YELLOW.			
	Per 100	Per 1000	Per 5000		Per 100	Per 1000	Per 5000
QUEEN LOUISE.....	\$.55	\$ 5.00	\$23.00	GOLDEN BEAUTY.....	\$.75	\$ 6.00	\$25.00
NORWAY.....	.55	5.00	23.00	ELDORADO.....	.55	5.00	23.00
PINK.				VARIEGATED.			
ARGYLE.....	.55	5.00	23.00	VIOLINIA, 4-inch bloom, fine.....	6.00	50.00	
MERMAID.....	.55	5.00	23.00	MARSHALL FIELD.....	1.50	12.50	60.00
MARQUIS.....	.55	5.00	23.00	STELLA.....	1.50	12.50	60.00
LAWSON.....	1.00	8.00	35.00	MRS. BRADT.....	1.00	7.50	35.00
CRESSBROOK.....	.75	6.00	25.00	ARMAZINDY.....	.55	5.00	23.00
SUCCESS.....	1.00	8.00	35.00	SCARLET.			
CRIMSON.				AMERICA.....	.55	5.00	23.00
HARLOWARDEN.....	1.50	12.50	50.00	MRS. P. PALMER.....	.55	5.00	23.00
GEN. GOMEZ.....	.55	5.00	23.00	APOLLO.....	.55	5.00	23.00

Cash or C. O. D. with privilege of examination. Express prepaid at above prices. See R. C. Carnation prices in back issues.

CALIFORNIA CARNATION COMPANY, Lock Box 103, Loomis, Cal.

EXTRA GRADE

Carnation Cuttings.

READY TO SHIP.

We are supplying the following varieties with stock, guaranteed perfect in every respect at the following prices:

	Per 100	1000	White.	Per 100	1000
Pink Lawson.....	\$2.00	\$20.00	Glacier.....	\$2.00	\$20.00
Marquis.....	1.50	15.00	White Cloud..	1.50	14.00
Joost.....	1.25	10.00	Flora Hill.....	1.50	12.00
Dorothy.....	1.50		Variegated.		
Scarlet.			Prosperity....	1.50	14.00
Crane.....	2.00	20.00			

Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. **CASH.**

Geraniums. Best bedders in pink, crimson, salmon and scarlet, labeled, rooted cuttings, \$1.75 per 100.

The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.

NEW PINK CHRYSANTHEMUM

AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/2 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y.
Jamaica P. O., Woodhaven Station.

Carnations.

SPECIAL LATE PRICES.

20 per cent reduction from list prices for cuttings ready now.

50 per cent reduction from list prices for cuttings ready April 15th.

Send for list of varieties at once.

ALBERT M. HERR, Lancaster, Pa.

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE,
Box 228. KENNETT SQUARE, PA.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

CARNATIONS.

	Per 100	1000		Per 100	1000
CRUSADER, scarlet.....	\$10.00	\$80.00	ESTELLE, scarlet.....	\$3.00	\$25.00
FLAMINGO, scarlet.....	12.00	100.00	HIGINBOTHAM, light pink.....	4.00	30.00
LADY BOUNTIFUL, white.....	12.00	100.00	BOSTON MARKET, white.....	3.50	27.50
THE BELLE, white.....	12.00	100.00	MARSHALL FIELD, var.....	5.00	40.00
MOONLIGHT, white.....	10.00	75.00	ENCHANTRESS, light pink....	5.50	50.00
INDIANAPOLIS, pink.....	12.00	100.00	HER MAJESTY, white.....	4.50	40.00
VESPER, white.....	10.00	75.00	PRES. MCKINLEY, pink.....	4.50	40.00
HARLOWARDEN, crimson..	4.50	40.00	GOV. WOLCOTT, white.....	4.00	30.00
LILLIAN POND, white.....	4.50	40.00	MRS. LAWSON, dark pink....	2.00	17.50
DOROTHY WHITNEY, yellow.....	4.50	40.00	PROSPERITY.....	2.00	16.00
			FAIR MAID, pink.....	3.50	27.50

ROSES. Prime 2-inch stock.

	Per 100	1000		Per 100	1000
BRIDESMAID.....	\$3.00	\$25.00	GOLDEN GATE.....	\$3.00	\$25.00
BRIDE.....	3.00	25.00	New Rose LA DETROIT.....	2.50	

BOSTON FERNS, 4-inch, ready for shift, \$15.00 per 100.

SEE OUR ADV. ON PAGE 351 LAST WEEK'S AMERICAN FLORIST.

CHICAGO CARNATION CO., Joliet, Ill.

JAMES HARTSHORNE, MGR.

Please mention the American Florist when writing

Rooted Carnation Cuttings.

To Make Room—Special low price to April 1 on FLORA HILL and GUARDIAN ANGEL. Stock of the best quality.

PINK.				RED.			
	100	1000	5000		100	1000	5000
Mrs. Lawson.....	\$1.25	\$12.00	\$50.00	G. H. Crane.....	\$2.00	\$18.00	\$80.00
Mrs. Nelson.....	2.00	18.00	80.00	America.....	2.00	18.00	80.00
Guardian Angel.....	1.00	8.00	35.00	Palmer.....	2.00	18.00	80.00
Dorothy.....	1.50	12.50	50.00	Estelle.....	2.50	20.00	
McKinley.....	2.00	18.00	80.00	Harlowarden.....	3.00	25.00	
Ethel Crocker.....	1.25	10.00	40.00	ROOTED ROSE CUTTINGS.			
Mrs. Joost.....	1.00	8.00	35.00		100	1000	
WHITE.				Bridesmaid.....	\$1.50	\$12.50	
Flora Hill.....	1.00	8.00	35.00	Bride.....	4.50	12.50	
White Cloud.....	1.25	10.00	40.00	Golden Gate.....	1.50	12.50	
Queen Louise.....	1.25	12.00		Ivory.....	1.50	12.50	
LIGHT PINK.				2-INCH ROSE PLANTS. Per 100 1000			
Higinbotham.....	2.00	18.00	80.00	Bridesmaid.....	\$3.00	\$25.00	
Prosperity.....	2.00	18.00	80.00	Bride, Perle.....	3.00	25.00	
				Golden Gate, Ivory.....	2.50	20.00	

If stock not satisfactory will refill or refund money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

A. L. Randall Company,

19 Randolph St., CHICAGO.

EASTER PRICES.

	Per 100
American Beauties, extra long.....	\$60.00
" " 30-36 inch.....	50.00
" " 24 inch.....	40.00
" " 18-20 inch.....	30.00
" " short.....	\$8.00 to 15.00
Liberties, long select.....	25.00
" medium.....	15.00
Brides and Maids, long select.....	10.00
" good stock.....	8.00
" short stems.....	5.00
Carnations, large, fancy.....	\$5.00 to 6.00
" good stock.....	4.00
" common.....	3.00
" 1000 lots, our selection, \$25.00	
Longiflorum Lilies.....	15.00
Calla Lillies.....	12.50
Valley, fine.....	3.00
Galax.....	per 1000, \$1.00
Adiantum.....	1.00
Smilax.....	20.00
Asparagus Sprengeri.....	per doz., \$.35
" Plumosus, sprays.....	3.00
" " strings.....	50.00
Ferns, fancy.....	per 1000, \$3.50
Narcissus and Romans.....	3.00
Violets, double, fancy.....	1.00
" single.....	.75
White Lilac, very fine.....	per doz., \$1.00
Tulips, double.....	\$4.00 to 5.00
" single.....	3.00
Daffodils and Jonquils, double.....	3.00
Leucothoe.....	.75
Sweet Peas.....	1.50

Longiflorums

Our lilies are packed at the greenhouses, 75 in a box, and shipped to buyer in original packages, thus avoiding bruising by repacking and handling. Quality and care have made us headquarters for those who desire the best lilies for Easter.

White Lilacs

Our lilacs have been in great demand this season. We have had an extra amount brought out for Easter so as to able to fill your orders.

Tulips } Double Murillo } La Reine

Daffodils, Jonquils, Valley, White and Purple Dutch Hyacinths. These have been our Easter specialties for years.

Roses and Carnations to please the most careful buyers.

American Beauty and Liberty will be scarce but we expect to fill all orders. Violets, Single and double, Hudson River and home-grown.

WE SOLICIT CORRESPONDENCE IN REFERENCE TO ANY LARGE AMOUNTS OF ANY KIND OF STOCK YOU MAY NEED.

SINNER BROS.

WHOLESALE FLORISTS,

60 Wabash Avenue,

CHICAGO.

WILL SUPPLY YOUR NEEDS

FOR EASTER.

Being located on the **Chicago Flower Market**, having facilities second to none, with a large supply of our own high grade stock, and many other growers to draw upon we are specially prepared to handle your

Easter Orders.

WRITE US, WIRE US,

And Get Your Easter Goods on Time.

Headquarters for Ferns and Galax Leaves.

EASTER PRICES.

	Per 100
American Beauty, extra long.....	\$60.00
" " 30-36 inch.....	50.00
" " 24 inch.....	40.00
" " 18-20 inch.....	30.00
" " short.....	\$8.00 to 15.00
Liberty, long select.....	25.00
" medium.....	15.00
Bride and Maid, long, select.....	10.00
" good stock.....	8.00
" short stems.....	5.00
Carnations, large, fancy.....	\$5.00 to 6.00
" good stock.....	4.00
" common.....	3.00
Longiflorum Lilies.....	15.00
Calla Lilies.....	12.50
Valley, fine.....	3.00
Galax.....	per 1000, \$1.00
Adiantum.....	1.00
Asparagus Sprengeri.....	per doz., 35c
" Plumosus, sprays.....	3.00
" " strings.....	50.00
Ferns, Fancy.....	per 1000, \$3.50
Narcissus and Romans.....	3.00
Violets, double, fancy.....	1.00
" single.....	.75
White Lilac very fine.....	per doz., \$1.00
Tulips, double.....	\$4.00 to 5.00
" single.....	3.00
Daffodils and Jonquils, double.....	3.00
Leucothoe.....	.75
Sweet Peas.....	1.50

CARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the following varieties:

Per 100		1000	
Oriole.....	\$1.50	\$12.50	Joost.....\$1.20 \$9.00
Portia....	1.20	9.00	America.... 1.50 12.50
Lorna....	1.50	12.00	Flora Hill.. 1.50 10.00
W. Cloud.	1.50	12.50	Mrs. Palmer 1.50 12.50
Q. Louise.	1.50	12.50	Mrs. L. Ine 1.50 10.00
Prosperity	2.00	15.00	

ROSE CUTTINGS.

Choice well-rooted stock.		Per 100		1000	
Bridesmaid.....		\$1.25	\$12.00		
Bride.....		1.25	12.00		
Mme. Chatenay.....		3.50	30.00		
American Beauty.....		3.00	22.50		
Golden Gate.....		1.25	12.00		

ROSE PLANTS.

Strong stock in 2 1/2-in. pots.		Per 100		1000	
Bridesmaid.....		\$2.75	\$22.50		
Bride.....		2.75	22.50		
Golden Gate.....		2.50	20.00		
Bride, 3 inch, extra choice.....		5.00	40.00		
Bridesmaid, 3-inch, extra choice.....		5.00	40.00		
Stock Beauties, (2-year old).....		\$10.00	per 100		
Stock Liberty, (2-year old).....		10.00	per 100		
Asparagus Plumosus, 3-in. pots.....		\$5.00	per 100		
Asparagus Sprenger, 3-in. pots.....		4.00	per 100		

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center, Illinoi.

Please mention the American Florist when writing.

ROSES.

We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	Prices per 100.		
			2x2 1/2	2 1/2x3	3x3
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Bride.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	LaFrance.....	2.00	3.00	4.00	6.00
8	A. V. Kaiserin.....	2.00	3.00	4.00	6.00
9	Wootton.....	2.00	3.00	4.00	6.00
10	Belle Seibrecht.....	2.00	3.00	4.00	6.00
11	Pres. Carnot.....	2.00	3.00	4.00	6.00
12	American Beauty.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

We believe in shifting young Roses often. All stock offered in 2 1/2-in. pots have been shifted from 2-in. and are equal to most stock advertised as 3-in., and when we send it out is well established. Try our 3-in. size of **IVORY** at \$5.00. Have only 1,000 of this size left. Don't forget **Boston** and **Pierson Ferns, Plumosus** and **Sprenger**.

GEO. A. KUHLE, Pekin, Ill.

Please mention the American Florist when writing.

CARNATIONS

NOW READY. A FINE LOT OF HIGH GRADE CUTTINGS.

	Per 100	Per 1000
Enchantress.....	\$6.00	\$50.00
Lillian Pond.....	5.00	40.00
The Queen.....	5.00	40.00

Larchmont Nurseries,
Larchmont, N. Y.

Please mention the American Florist when writing.

CARNATION CUTTINGS

1,000 Queen Louise; 2,500 Flora Hill; 5,000 Mrs. Joost, \$1.25 per 100; \$10.00 per 1000. These cuttings are well rooted and free from disease. Cash with order or C. O. D.

W. B. GIRVIN, Leola, Pa.

Please mention the American Florist when writing.

50,000 Well Rooted Carnations.

Cuttings now ready. Enchantress, \$6.00 per 100. Barlowarden, \$5.00 per 100. Lawson and Crane, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. **ROSES,** Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

CRISIS

— THE NEW — SCARLET CARNATION

Which will be disseminated February 1904, is beyond the shadow of a doubt, the finest commercial scarlet, now offered for sale. It is a fine shipper, excellent keeper and a continuous bloomer. Stems measure from 24 inches to 30 inches blooms measure 3 inches and over, color is a fiery red, and we have not had one bursted calyx in our four years' experience with it. It is also a strong grower, and produces more cuttings than Adonis or any other scarlet we have on our place.

We are now booking orders at the following prices:

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.
\$95.00 per 1000 in lots of 5000.

COME AND SEE IT GROW.

Davis Bros., Bloomsburg, Pa.—

BLOOMSBURG, PA., Mar. 18, 1904.

Gentlemen:—Please hook my order for 5,000 of your new red carnation "Crisis." I have watched this carnation for the last three years and I believe it is the best red carnation in cultivation to-day. I sold several thousand blooms of this variety for you last year. It proved to be a good shipper and always gave satisfaction.

Yours very respectfully, J. L. DILLON.

Davis Brothers, Bloomsburg, Pa.

Please mention the American Florist when writing.

SOME EXTRA GOOD STOCK

— OF —

Chatenay AND Sunrise

in 3-inch pots, \$5.00 per 100.

HELLER BROS., New Castle, Ind.

Cardinal New Roses Enchantress

Read Testimonials from two of the largest growers in Washington who have bought a large number of plants after seeing them growing at my place.

WASHINGTON, Feb. 27, 1904.
Your new Rose Cardinal came duly to hand, and we firmly believe it will have a great future and will certainly be a money-maker, as it is in a class all to itself, being superior in form and habit to anything that we have as yet seen. Your new rose Enchantress we also think will be a great money-maker, judging from its profuse blooming quality, as we have seen it several times in mid-winter. It cannot help being a winner. Wishing you every success, we remain,
Yours truly, A. GUDÉ & BRO.

AMERICAN ROSE COMPANY, 909 F Street, WASHINGTON, March 17, 1904.
Dear Sir:—We gave all the show possible to Enchantress and Cardinal, placing them in our window with placards, telling what they were. They kept a week, retaining their brilliant color to the last. Cardinal was as full of perfume the day the petals dropped, as when it was first cut. The roses are both matchless, and we believe destined to out-class all roses of their color for forcing under-glass.
Very sincerely yours, AMERICAN ROSE CO., per B. D.

	Per 100	Per 1000
CARDINAL, 2 1/2-inch pots.....	\$30.00	ENCHANTRESS, 2 1/2-inch pots..... \$30.00
" 3 -inch pots.....	35.00	" 3 -inch pots..... 35.00

Not less than fifty sold at present. Cash with order. Stock limited.

JOHN COOK, 318 N. Charles Street, Baltimore, Md.

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

Give your EASTER ORDER to the LARGEST GROWER in the WORLD. (One million square feet of glass).

IT IS TO YOUR INTEREST TO PLACE YOUR ORDER WITH A HOUSE THAT CAN FILL IT WITHOUT DELAY AND WITH THE BEST STOCK.

WE CAN DO THIS

EASTER LILIES, ROSES, CARNATIONS.

BEAUTIES	Per Doz.			Per 100
Extra select.....	\$6 00	MAID	\$6.00 to \$10.00	
30-inch stem.....	5.00	GOLDEN GATE.....	6.00 to 10.00	
24-inch stem.....	4.00	CHATENAY.....	6.00 to 12.00	
20-inch stem.....	3.00	LIBERTY.....	6.00 to 12.00	
15-inch stem.....	2.00	SUNRISE.....	6.00 to 8.00	
12-inch stem.....	1.50	PERLE.....	6.00 to 8.00	
Short.....	1.00	IVORY.....	6.00 to 10.00	
	Per 100	CARNATIONS.....	3.00 to 4.00	
BRIDE.....	\$6.00 to \$10.00	" Fancy.....	5.00 to 6.00	

CUT EASTER LILIES. \$2 per doz.; \$15 per 100.

CARNATIONS.

ROOTED CUTTINGS and PLANTS FROM SOIL.

Place your order at once for prompt delivery. Strong select well rooted stock of the following varieties:

Lady Bountiful and The Belle. The two largest and most prolific white carnations for 1904.
Mrs. Patten, Judge Hinsdale, The President and Indianapolis, \$12.00 per 100; \$100 per 1000.
A very profitable Novel Set—Bizarre, Mauvina, Neptune, Aureola and Senorita. Bright shades, odd colors and very attractive. \$10.00 per 100; \$75.00 per 1000.
Adonis, Harlowarden, \$6.00 per 100; \$50.00 per 1000. Pres. McKinley, M. Field, Mrs. Theo. Roosevelt and Gov. Lowndes, \$5.00 per 100; \$40.00 per 1000. Fine stock.
Good paying standard varieties: Apollo, Stella, Harry Fenn, Lorna, \$3.00 per 100; \$25.00 per 1000. Gov. Wolcott, and Dorothy Whitney, \$4.00 per 100; \$30.00 per 1000. Morning Glory, Gov. Roosevelt, \$2.50 per 100; \$20.00 per 1000.

Also other varieties than those mentioned above in the sand and ready in a short time.

F. DORNER & SONS CO., La Fayette, Ind.

Strongly Rooted Carnations

Grown out of doors and rooted without heat.

Q. Louise.....	\$1.20	10.00	Cressbrook.....	\$2.50	\$20.00
F. Hill.....	1.20	10.00	Eldorado.....	1.00	9.00
Alba.....	2.50	25.00	Palmer.....	1.20	10.00
Wolcott.....	3.40	30.00	Apollo.....	3.50	30.00
Norway.....	1.00	9.00	Adonis.....	7.00	65.00
L. Food.....	5.00	45.00	Manley.....	3.50	30.00
Chicot.....	1.00	9.00	Crane.....	1.20	10.00
V. Allen.....	3.40	25.00	America.....	1.20	10.00
Lawson.....	1.40	12.50	H'lowarden.....	5.00	45.00
Joost.....	1.20	10.00	M. Field.....	3.00	25.00
Mrs. R'svelt.....	4.00	35.00	Stella.....	3.00	25.00
Success.....	2.50	20.00	Armazindy.....	.90	8.00
P. McKinley.....	3.00	25.00	Gaiety.....	2.00	18.00
Prosperity.....	1.40	12.00			

25 at 100 rate. 250 at 1000 rate. One kind. We prepay express charges and will ship C. O. D. with privilege of examination.

LOOMIS FLORAL CO., Loomis, Cal.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES. ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CARNATION CUTTINGS.

	PINK.	Per 100	1000
Enchantress.....		\$6.00	\$50.00
Morning Glory.....		2.00	15.00
Higinbotham.....		1.50	12.50
Lawson.....		1.50	12.50
Guardian Angel.....		1.25	10.00
Cressbrook.....		1.50	12.50
	RED.		
Palmer.....		\$2.00	\$15.00
Estelle.....		3.00	25.00
Harlowarden.....		3.00	25.00
	WHITE.		
Her Majesty.....		3.00	25.00
White Cloud.....		1.50	12.50
Flora Hill.....		1.50	12.50
Queen Louise.....		1.50	12.50
Norway.....		1.50	12.50

CHRYSANTHEMUMS.

	WHITE.	Cuttings 2-in. pot	
		per 100	pits 100
Timothy Eaton.....		\$2.00	\$3.00
Chadwick.....		2.00	3.00
White Bonaffon.....		1.50	2.50
Wanamaker.....		1.50	2.50
Geo. S. Kalb.....		1.50	2.50
E. telle.....		1.50	2.50
Robinson.....		1.50	2.50
Ivory.....		1.50	2.50
Merry Xmas.....		1.50	2.50
	YELLOW.		
Golden Wedding.....		1.50	2.50
Golden Beauty.....		1.50	2.50
October Sunshine.....		1.50	2.50
Col. Appleton.....		1.50	2.50
Yellow Bonaffon.....		1.50	2.50
	PINK.		
Mrs. Murdoch.....		1.50	2.50
Vivian-Morel.....		1.50	2.50
Mme. Perrin.....		1.50	2.50
Pacinc.....		1.50	2.50

ROSE PLANTS.

In 2½-inch pots.	Per 100	1000	In 2½-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	La France.....	5.00	40.00
Golden Gate.....	3.00	25.00	Liberty.....	6.00	50.00

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.

51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Welch Bros.

CITY HALL CUT FLOWER MARKET

15 PROVINCE ST.

BOSTON, MASS.



FOR EASTER

Longiflorums

Cut and in Pots,
Roses, Carnations,
Violets, Tulips,
Lily of the Valley,
Hyacinths, Daffodils.

We have in sight a good supply of everything desirable for EASTER. Our customers are well supplied at all times.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2 82 Park Ave. David S. Beach, Prop.

CHOICE GRAFTED

ROSES

On Extra Selected English Manetti Stock. Ready April 1st,

BRIDE, MAIDESMAID, } 2 1/2-inch pots.
GOLDEN GATE, } \$12 per 100;
IVORY, } \$100 per 1000.
FRANCIS DEEGAN, \$18 per 100.

S. J. REUTER,
WESTERLY, R. I.

Carnations

ROOTED CUTTINGS.

Orders booked now for next season's delivery of all the leading varieties. Send us a list of what you want and get prices that are right.

Chas. Chadwick, L. Box 11, Grand Rapids, Mich.

Always mention the American Florist when you order stock.

CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL.....	\$2.50	\$20.00	PERU.....	3.00	25.00
THE SPORT.....	2.50	20.00	WHITE CLOUD.....	2.50	20.00
MRS. LAWSON.....	3.00	25.00	AMERICA.....	2.50	20.00
MRS. HIGINBOTHAM.....	3.00	25.00			

ROSE CUTTINGS.

BRIDE.....	\$12.50	per 1000	IVORY.....	\$12.50	per 1000
BRIDESMAID.....	12.50	"	GOLDEN GATE.....	12.50	"

Lots of 500 at 1000 rate.

SINNER BROTHERS,

Wholesale Cut Flowers,

58-60 Wabash Avenue,

CHICAGO.

Please mention the American Florist when writing.

GRAFTED ROSES

On Dickson's Irish Manetti Stock.

Plants from 2 1/2-inch pots, \$12.00 per 100; \$100.00 per 1000.

KAISERINS—(Now ready.) BRIDES and BRIDESMAIDS. Order now as stock is limited.

AMERICAN BEAUTY ROSES, own root, strong plants from 2 1/2-inch pots, now ready. \$6.00 per 100; \$50.00 per 1000.

GARDENIAS. Strong plants from 2 1/2-inch pots for growing on for winter blooming. \$6.00 per 100.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

ROSE PLANTS.

STRONG STOCK, FROM 2½-INCH POTS.

	Per 100	1000		Per 100	1000
UNCLE JOHN	\$20.00	\$150.00	Liberty.....	\$5.00	\$40.00
Mme. Chatenay.....	6.00	50.00	Bridesmaid.....	3.00	25.00
Sunrise.....	5.00	40.00	Bride.....	3.00	25.00
AMERICAN BEAUTY	6.00	50.00	Golden Gate.....	3.00	25.00

Rose Stock Plants. 2 YEARS OLD.

	Per 100	1000		Per 100	1000
American Beauty.....	\$8.00	\$70.00	Sunrise.....	\$3.00	\$70.00
Liberty.....	8.00	70.00	LaFrance.....	7.00	65.00

Rose Cuttings. WELL ROOTED, HEALTHY STOCK.

	Per 100	1000		Per 100	1000
American Beauty.....	\$3.00	\$25.00	Golden Gate.....	\$1.50	\$12.50
Bridesmaid.....	1.50	12.50	Sunrise.....	3.50	30.00
Bride.....	1.50	12.50			

CARNATION CUTTINGS. WELL ROOTED, NOW READY.

WHITE.			RED.			PINK.		
	Per 100	1000		Per 100	1000		Per 100	1000
Lady Bountiful.....	\$12.00	\$100.00	Crusader.....	\$10.00	\$80.00	Indianapolis.....	\$12.00	\$100.00
The Belle.....	12.00	100.00	Flamingo.....	12.00	100.00	Enchantress.....	6.00	50.00
Reliance.....	10.00	80.00	Estelle.....	2.50	20.00	Pres. McKinley.....	4.50	40.00
Her Majesty.....	5.00	45.00	America.....	2.00	15.00	Mrs. Lawson.....	2.00	15.00
Boston Market.....	4.00	35.00	Harlowarden.....	3.00	25.00	Mrs. Higginbotham.....	2.00	15.00
VARIEGATED.								
Prosperity.....	\$2.50	\$20.00						
Marshall Field.....	6.00	50.00						
Mrs. Bradt.....	2.50	20.00						

We have all the standard varieties in addition to the above. Send in your order now for 'Fiances' and 'Cardinal' the two great Prize Winners, ready January 1, 1905. Write for special discounts on large orders of any of the above plants.

The Benthey-Coatsworth Company,
35 RANDOLPH ST., CHICAGO.

100,000 Grafted Rose Plants

We are now grafting on Manetti the above amount on all selected flowering wood. No Blind wood used at all. We offer for sale ready for delivery April 1st.

BRIDE AND BRIDESMAID, \$12.00 per 100; \$100.00 per 1000.
LIBERTY, \$15.00 per 100.

It you wish to grow better grade roses, give grafted stock a trial.

ROOTED CUTTINGS. The Very Best Commercial Varieties.

All of our cuttings are selected carefully and we try to see how good we can make them, not how cheap.

ROSES ROOTED CUTTINGS, Brides, Bridesmaids and Gates, \$1.50 per 100. Kaiserin and Perle, \$2.50 per 100.
CHATENAY ROSE PLANTS, 2½-inch pots, \$6.00 per 100; \$50.00 per 1000. Ready March 1.

CARNATIONS ROOTED CUTTINGS

WHITE.		PINK.		RED.	
	Per 100 Per 1000		Per 100 Per 1000		Per 100 Per 1000
Lillian Pond.....	\$3.50 \$30.00	Lawson.....	\$2.50 \$20.00	Red Bradt.....	\$2.50 \$20.00
Gov. Walcott.....	3.50 30.00	Morning Glory.....	2.50 20.00	Crane.....	2.50 20.00
White Bradt.....	2.50 20.00	Floriana.....	2.50 20.00	America.....	2.50 20.00
White Cloud.....	2.50 20.00	Enchantress.....	6.00 50.00	VARIEGATED.	
Norway.....	2.50 20.00	Joost.....	2.50 20.00	Prosperity.....	2.50 20.00
				Mrs. Bradt.....	2.50 20.00

Yellow—Gold Nugget, \$2.50 per 100; \$20.00 per 1000. Maroon—Macen, \$2.50 per 100; \$20.00 per 1000. Orders aggregating 250 or more will be billed at the 1000 rate. No order for less than 50 of one variety accepted. All cuttings and plants shipped from Hinsdale.

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

Detroit.

Preparations for Easter trade are now engaging the attentions of both retailers and growers, and many of the latter are complaining about the condition of much of their stock of Easter lilies, which show considerable disease, particularly the Harrisii, although it is expected that the supply of fairly good ones will about equal the demand. There will not be the usual over-supply of other bulbous stock this season, as much of it was frozen this winter where it was stored outside. Indications point to an extra supply of violets. Carnations, too, will be plentiful, while the stock of roses, locally grown, will be short of the demand.

A monster meeting of the Florists' Club was held Wednesday evening, March 16. All the affairs connected with the carnation meeting were reviewed, and the bills all paid. The matter has now passed into history, but many pleasant memories of the event will be long entertained by the many participants. The club's treasury was amply prepared for all demands made upon it. Furthermore a notice has already been given of a proposed amendment to the by-laws, which will be acted upon at the next regular meeting, reducing the dues one-half the present amount.

The erection of a new building has been begun on Miami avenue, which will be occupied when completed by the Michigan Cut Flower Exchange.

W. B. Brown is now the sole proprietor of the business heretofore known as Brown & Northcott, retail florists, 308 Woodward avenue.

The many friends of Andrew Ferguson sympathize with him in the loss of his mother, who died recently.

Fred Breitmeyer is attending the meeting of the American Rose Society at Philadelphia this week.

Franz Holznagle was recently re-elected president of Highland Park village council.

Visitors were: James McHutchison, Thomas Wade and Leopold Oesternal, New York; H. Thiernam, Owosso, Mich.; J. Blokker, Holland; Harry D. Byers, Dayton, O. J. F. S.

Elmira, N. Y.

A meeting of the directors of the United States Cut Flower Company was held at Elmira, N. Y., March 12. The contracts for the iron work on the new ranges were let to the King Construction Company, of North Tonawanda, N. Y. The general plans for the plant of 1,000,000 square feet of glass are being prepared by Roht. W. King & Company, consulting engineers for the King Construction Company.

About 100,000 feet of glass will be erected this year. The heating system of the plant will be laid out in the lines indicated by Mr. King in his paper recently read before the Chicago Florists' Club. The patents covering this system are controlled by the King Construction Company. William Algie, one of the executors of the H. Dale estate of Brampton, Ont., is the president and general manager of the United States Cut Flower Company.

San Francisco.

The spring exhibition of the Pacific Coast Horticultural Society will be held in the grand nave, Ferry building, May 12, 13 and 14. An attractive list of premiums for cut flowers and plants is offered. H. Plath, 510 Wyoming avenue, San Francisco, Cal., is the manager.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Flamingo, March delivery.....	\$12.00	\$100.00	Mrs. M. A. Patten.....	\$12.00	\$100.00
Lady Bountiful.....	12.00	100.00	White Lawson, March delivery...	12.00	100.00
The Belle.....	12.00	100.00	Albatross, March delivery.....	10.00	80.00
Indianapolis.....	12.00	100.00	Crusader.....	10.00	80.00
Nelson Fisher, March delivery....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Enchantress.....	\$8.00	\$50.00	Harlowarden.....	\$8.00	\$50.00
Etoile.....	4.00	30.00	Lillian Pond.....	5.00	40.00
Fragrance.....	6.00	50.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Golden Beauty.....	5.00	40.00	Pres. McKinley.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	The Queen.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00	White Bradt.....	6.00	

STANDARD SORTS.

	Per 100	Per 1000		Per 100	Per 1000
America.....	\$1.75	\$15.00	Morning Glory.....	\$2.50	\$20.00
Cressbrook.....	4.00	30.00	Mrs. F. Joost.....	1.75	15.00
Enquirer.....	2.50	20.00	Mrs. H. N. Higinbotham.....	4.00	35.00
Ethel Crocker.....	1.75	15.00	Mrs. E. A. Nelson.....	4.00	35.00
Flora Hill.....	1.75	15.00	Mrs. Potter Palmer.....	3.00	25.00
Genevieve Lord.....	1.75	15.00	Mrs. Thos. W. Lawson.....	2.50	20.00
G. H. Crane.....	2.50	20.00	Norway.....	1.75	15.00
Gov. Roosevelt.....	3.50	30.00	Prosperity.....	2.50	20.00
Lorna.....	3.00	25.00	Queen Louise.....	1.75	15.00
Marquis.....	1.75	15.00	White Cloud.....	1.75	15.00

DORMANT CANNAS. Strong 2-3 eyed bulbs. TRUE STOCK.

	Per 100		Per 100
Allemania.....	\$3.00	Mme. Louis Druz.....	\$ 2.50
Burbank.....	2.00	Mlle. Berat.....	2.50
Black Beauty.....	7.00	Mme. Crozy.....	2.00
Chas. Henderson.....	2.00	Monsieur Jarry Desloges.....	3.00
Chicago.....	6.00	Mrs. Kate Gray.....	5.00
Duke of Marlborough.....	2.00	Mont Blanc.....	20.00
David Harum.....	6.00	Pennsylvania.....	5.00
Egandale.....	4.00	Red Indian.....	5.00
Leonard Vaughan.....	4.00	Secretaire Chabanne.....	2.00

The following sorts \$1.00 per 100:

Exp. Crampbell	L. Patry	Paul Marquant
Francois Reif	Mme. Alfred Blanc	Partenope
J. Aymard	Mme. Celestin Dubost	President Carrot

CHRYSANTHEMUM PLANTS 2 1/2-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow.	Omega, best early yellow.
Timothy Eaton, mammoth white.	John K. Shaw, early bright pink.
Major Bonaffon, yellow.	Yellow Mrs. Jerome Jones, bright lemon yellow.
Mrs. Perrin, pink.	Ivory, early white.
May Foster, white, fine for pot plants.	Miss Agnes L. Dalskov, early pink.

CHOICE SORTS.

	Per 100
Estelle—Early white, good for cut flowers or pot plants.....	\$4.00
Marian Newell—Almost pure pink, very large.....	4.00
Columbia—Pink, lighter than Morel.....	3.00
Mrs. J. J. Mitchell—Clear cream color.....	4.00
Amorito—Bright satin pink, finely incurved.....	4.00

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

Novelties for 1904

Chrysanthemums.

Our collection possesses more points of merit for the commercial grower than the majority of foreign origin. They are as follows: Mrs. Nathan Smith, Helen Frick, Sunburst, Uncle John, Golden Age, John Burton. 50c each; \$5.00 per dozen.

Cannas.

The Express, best dwarf Crimson, \$1.50 per dozen; \$10.00 per 100. Oacode, resembles Queen Charlotte but more dwarf, 30c each; \$3.00 per dozen, from pots. Also best Standard Varieties. Dormant, \$2.00 per 100 and upwards.

Carax Vilmorini.

The most striking novelty of all Decorative Grasses; long slender drooping leaves, 30c each; \$3.00 per dozen.

Helianthus Sparsifolia.

A New hardy Sunflower of special merit. 5 to 6 feet high; flowers 5 inches in diameter. Produces lateral flowers; stems 2 1/2 feet in length, indispensable for cutting, 25c each; \$2.50 per dozen.

Nathan Smith & Son, ADRIAN, MICH.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.



PALMS FOR EASTER

I have a superb stock of Palms in all sizes for Easter Sales, and growing on for fall trade. They are extremely good value at prices quoted.

ARECA LUTESCENS.

		Per doz.	Per 100
4-inch pot, 3 plants in pot	15 to 18 inches high	\$ 3.00	\$20.00
6 " " 3 " "	20 to 24 " "	9.00	75.00
6 " " 3 " "	28 to 30 " "	12.00	100.00
8 " " 3 " "	36 to 42 " "		very hushy.....\$2 50 each.
10 " " 3 " "	42 to 45 " "		very hushy..... 5 00 each.
10 " " 3 " "	48 to 54 " "		very bushy..... 7.50 each.

My stock of this variety is very large, grown cool, clean and very healthy, and cannot fail to give satisfaction. All are grown three plants in a pot.

KENTIA BELMOREANA.

		Per doz.	Per 100
2½-inch pot, 3 to 4 leaves, 10 inches high		\$90.00 per 1000;	\$1 25 \$10.00
3 " " 4 to 5 " "	12 to 15 inches high	2.00	15.00
4 " " 5 to 6 " "	15 to 18 " "	4.50	35.00
5 " " 6 to 7 " "	18 to 20 " "	6.00	50.00
5 " " 6 to 7 " "	20 " "	9.00	70.00
6 " " 6 to 7 " "	20 to 24 " "	\$1.00 each;	12.00
6 " " 6 to 7 " "	28 to 31 " "	1.25 each;	15 00
8 " " 6 to 7 " "	30 to 36 " "	1.50 each;	18.00
8 " " 6 to 7 " "	31 to 36 " "	2.50 each;	30.00

MADE UP KENTIA BELMOREANA PLANTS.

6-inch pot, 4 plants in pot, 22 to 24 inches high	\$1.00 each
7-inch pot, 3 plants in pot, 24 to 26 inches high	1.50 each

KENTIA FORSTERIANA.

Size pot.	Leaves.	In. high.	Per doz.	Per 100
2½-inch,	4	8 to 10	\$.125	\$10.00
3-inch,	5	12 to 15	2.00	15.00
4-inch,	5 to 6	15 to 18	4.00	30.00
5-inch,	5 to 6	18 to 24	\$.65 each;	7.50
6-inch,	5 to 6	28 to 30	1.00 each;	12.00
6-inch,	6	30 to 32	1.25 each;	15.00
6-inch,	6	32 to 36	1.50 each;	18.00

MADE UP FORSTERIANA PLANTS.

7-inch pot, 4 plants, 32 inches high	\$2.00 each
8-inch pot, 4 plants, 36 inches high	2.50 each
8-inch pot, 4 plants, 42 inches high	3.00 each

Joseph Heacock,
Wyncote, Pa.

Easter Lilies.

4 to 6 Flowers on Stem, from the most careful growers around New York City. Can fill all orders for them if given a reasonable time ahead.

C. W. Ward's prize winning **Carnations.** Where can their equal be found?

ROSES of same high grade from noted growers.

VIOLETS in unlimited quantity and best quality.

CHOICE ORCHIDS, GARDENIAS and fancy specialties for fastidious trade.

LILY OF THE VALLEY, Daffodils, Tulips, Jonquils and all Bulbous Stock in Season.

Order Books Open.

JOHN YOUNG, 51 West 28th St. New York City.

Buffalo.

Trade is as good as one can expect with four inches of snow on the ground until Sunday and accompanied by dark days. We have had fully six hours of sunshine this month but to-day is fine and springlike. All greenhouse men are attending church and praying for sunshine. Without the latter a scarcity of lilies will be the word in Buffalo.

The controversy between the florists and the Buffalo cemetery, Forest Lawn, has been settled by the cemetery people rescinding that portion of their resolution wherein they were to do the watering, which is a wise move on their part as it would have been a very unpleasant and unnecessary fight and the adjusting of it is a good thing.

The dissolution of partnership of Byrne & Slattery was a surprise to the trade. Mr. Slattery is now at Palmer's lower store. Byrne Brothers is the name of the new firm on Main street.

The Buffalo Kennel Club is having a show this week. S. A. Anderson showed a setter dog made of carnations on a panel 4x6 feet which attracted a great deal of attention.

From observation and reports the supply of azaleas, tulips, daffodils and other bulb stock will be equal to the demand for Easter. Genistas are fine at all the greenhouses.

For St. Patrick's day Palmer had potatoes tied with green ribbon in his window which was very pretty and novel.

W. F. Kasting is the busiest man in the city getting ready for Easter and arranging for his removal.

The Florists' Club will have its election and banquet after Easter.

Miss Margaret Skinner is now at work after her serious illness.

J. H. Rebstock expects a big show of bulb stock for Easter.

BISON.

Rooted Cuttings

BRIDE and BRIDESMAID \$1.50 per 100; \$15.00 per 1000, from carefully selected wood and well rooted.

L. B. CODDINGTON, Murray Hill, N. J.

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100; \$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 30-in. stem. Beats all other variegated aorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimsons. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEENS, L. I.

It is good business policy to mention

The... AMERICAN FLORIST

When you write to an advertiser.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, PERLE DES JARDINS, THE BRIDE, MRS. OLIVER AMES, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.



Dreer's Aquatic Plants.

HARDY AND TENDER WATER LILIES, NELUMBIUMS, VICTORIAS, ETC.

We are the headquarters for this class of plants and carry the largest and most complete assortment. Our collection embraces all the well known standard varieties, also the most desirable American and Foreign novelties. We will gladly give practical advice to those who contemplate using these plants.

HENRY A. DREER, Philadelphia, Pa.

VESPER

Finest white Carnation on Market this year; flowers 3 in. to 3 1/2 in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

	Per 100	Per 1000		Per 100	Per 1000
Adonis.....	\$7.00	\$80.00	Lawson.....	\$2.50	\$20.00
Enchantress.....	6.00		Queen Louise.....	2.50	20.00
McKinley.....	4.00	30.00	Mrs. Bradl.....	2.50	20.00
Estelle.....	4.00	30.00	Flora Hill.....	2.00	15.00
Nelson.....	3.50	30.00	Mrs. Joost.....	1.50	12.50

CASH. NO C. O. D.

Wm. C. SMITH, 61st & Market Sts., Philadelphia, Pa.

MME. CHATENAY.

A superb, pink rose, freer and stronger than Bridesmaid, easy to grow and an ideal shipper. Will cut 40% selects. See Chicago cut flower quotations. Chatenay is selling for more than any other tea rose. Supply limited. Cash with orders. Fine healthy stock, \$6.00 per 100; \$50.00 per 1000. Ready now.

EMIL GLAUBER, Montclair, Col.

CARNATIONS.

	Per 100	Per 1000
ENCHANTRESS.....	\$6.00	\$50.00
FAIRMAID.....	3.00	20.00
GOV. WOLCOTT.....	3.00	20.00
BOSTON.....	4.00	30.00
MRS. T. W. LAWSON.....	3.00	20.00

HENRY A. STEVENS CO., Dedham, Mass.

Rooted Carnation Cuttings

	Per 100
Euchantress.....	\$5.00
Queen.....	4.00
Fair Maid.....	2.50
Lawson.....	2.50

H. F. LITTLEFIELD, WORCESTER, MASS.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

Rex Begonia, \$1.10, English Ivy, 75c, German Ivy, 60c, Lobelia, 70c, Coleus, 10 var., 75c, Vinca Var. Maj., 60c per 100 prepaid. Coleus, German Ivy, English Ivy, Lobelia, Nasturtium, double yellow, from 2-inch, 2c. Polystichum Angulare, 2-inch, 3c. Rex Beg., 2-inch, 3c; 4-inch, 10c. Vinca Var., 2-inch, 2c; 4-inch, 7c. Caladium bulbs, 6 to 7-inch, 25c per doz.; \$2.00 per 100; 7 to 9-inch, 50c per doz.; \$4.00 per 100. Cannas, dormant, 6 var., \$1.25 per 100; \$10.00 per 1000. Cash or C. O. D.

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

Rooted Cuttings.

Heliotrope, good varieties, \$1.00 per 100; \$8.00 per 1000. Coleus, all the best, 70c per 100; \$6.00 per 1000. Ageratum, Stella Gurney, 60c per 100, \$5.00 per 1000. Salvia, \$1.00 per 100; \$8.00 per 1000. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write

S. D. BRANT, The Clay Center Florist, Clay Center, Kansas.

Please mention the American Florist when writing.



LATANIA BORBONICA.

Palms AND Ferns

We are Offering Exceptional Values.

TAKE TIME BY THE FORELOCK AND ORDER YOUR DECORATIVE STOCK FOR EASTER.

CONFIDENCE is that which induces you to send us your order. We try to keep the confidence of our patrons by sending out such stock that we feel will give satisfaction. As our growing capacity has been doubled by the addition of our new establishment at Edgebrook, Ill., we are in a better position than ever to send out good stock. If we do not already enjoy your patronage we hope to be favored with a trial order.

Our Favorable Shipping Location will save you **MONEY** In Freight and Express Rates, and Time in Transit.

Address all Correspondence to 1667 Buckingham Place, CHICAGO, ILL.

Send for Our Complete Price List.

KENTIA BELMOREANA.				
Pots.	Leaves.	In high.	Per Doz.	Per 100
3-inch,	4-6	10-12.....		\$15 00
4-inch,	5-6	15-17.....	\$1.00	30.01
5-inch,	5-6	18-20.....	7.50	60.00
6-inch,	6	23-24.... Each..	\$1.00	
6-inch,	6-7	24-27.... Each..	1.25	
KENTIA FORSTERIANA.				
4-inch,	4-5	20-22.....	\$1.00	\$30.00
5-inch,	4-5	24-27.....	7.50	60.00
6-inch,	5	26-30.... Each..	\$1.00	
10 inch, made-up,	50-62....	Each..	6.00	
ASPARAGUS PLUMOSUS NANUS.				
2-inch,	\$3.00 per 100	3-in.,	\$8.00 per 100;	4-in., \$12.00 per 100.

LATANIA BORBONICA.				
Pots.	Leaves.	In. high.	Per Doz.	Per 100
5-inch,	4-6	16.....	\$ 5.00	\$37.50
6-inch,	5-6	18.....	7.00	50.00
7-inch,	7-8	16-20.....	12.00	
ARECA LUTESCENS.				
4-inch,	3	14-16.....	3.00	
5-inch,	3	20-26.....	5.00	
6-inch,	3	26-30.....	9.00	
7-inch,	3	32-36... Each..	\$1.25	
8-inch,	3	42-48... Each..	3.00	
ASPARAGUS SPRENGERI.				
2-inch,	\$3.00 per 100;	3-in.,	\$6.00 per 100;	4-in., \$10.00 per 100.

The GEO. WITTBOLD CO., 1667 Buckingham Place. CHICAGO.

ROSE PLANTS. STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

	Per 100	1000		Per 100	1000
MME. CHATENAY.....	\$6.00	\$50.00	MAID.....	\$3.00	\$25.00
SUNRISE.....	5.00	40.00	BRIDE.....	3.00	25.00
KAISERIN.....	3.00	25.00	PERLE.....	3.00	25.00
LIBERTY.....	5.00	40.00	GOLDEN GATE.....	3.00	25.00
			IVORY.....	3.00	25.00

ROSE CUTTINGS—Well Rooted.

	Per 100	1000		Per 100	1000
IVORY.....	\$1.50	\$12.50	GOLDEN GATE.....	\$1.50	\$12.50
MAID.....	1.50	12.50	PERLE.....	1.50	12.50
BRIDE.....	1.50	12.50	SUNRISE.....	3.50	30.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		Per 100	1000	WHITE.		Per 100	1000
MRS. LAWSON.....		\$1.25	\$10.00	MURPHY'S WHITE.....		\$3.00	25.00
MRS. E. A. NELSON.....		2.00	18 00	FLORA HILL.....		1.25	10.00
GUARDIAN ANGEL.....		1.25	10 00	WHITE CLOUD.....		1.25	10.00
MRS. HIGINBOTHAM.....		2.00	15.00	PERU.....		1.25	10.00
SYBIL.....		3.00	25.00	QUEEN LOUISE.....		1.25	10.00
McKINLEY.....		3.00	25.00	NORWAY.....		1.25	10.00
JOOST.....		1.25	10.00	MARION.....		1.25	10.00
ROOSEVELT.....		3.00	25.00	GOV. LOWNOES.....		3.00	25.00
RED.				VARIEGATED.			
ESTELLE.....		2.50	20.00	MRS. BRADT.....		2.00	15.00
MRS. INE.....		1.25	10.00				
CHICAGO (Red Bradl).....		2.00	15.00				
HARLOWARDEN.....		3.00	25.00				

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Grafted Roses 20,000 Brides and Maids.

These are on imported manetti stock and nothing but healthy, flowering wood being used. Price, \$120 per 1000.

WM. A. LEONARD, Lansdown, Pa.

American Beauty.

From bench, 1-year-old, cut back, \$10.00 per 100; \$90.00 per 1000. American Beauty, 2 1/2-in. pots, \$5.00 per 100.

Bride, } 2 x 2 1/2-inch pots, \$3.00 per 100;
 Bridesmaid, } \$25.00 per 1000.
 Golden Gate, }
 Forget-me-nots, 2 1/2-inch, \$3.00 per 100.

RHOTEN BROS. & CO., Box 5, Danville, Ill.

Geraniums.

Rooted Cuttings Only.

Next lot ready April 15th. Send for list and prices. Surplus of Jean Viaud ready now, at \$1.50 per 100, or \$10.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Newport, R. I.

The florists here have had very dull business lately, and were it not for the funeral work things would indeed be serious; but better days are coming, when it will take less coal and more flowers will be wanted. It does not look like a very good Easter business this year, but the florists are hoping for the best, and the weather may come better; but even then good plants will be short here, as the winter has been so severe and coal so much used, that what few plants there are have cost more than they can possibly be sold for. Easter lilies will be scarce here and must be purchased out of town, as they have made slow growth, and few will be in good bloom by April 3.

The meeting of the Newport Horticultural Society, Wednesday evening, was addressed by Kenyon L. Butterfield, president of the Rhode Island College of Agriculture and Mechanic Arts. Mr. Butterfield's paper on "Education and the Modern Farmer" was very much enjoyed by a large audience. After the discussion which followed a nice collation was served and a social evening passed.

Things outdoors are very slow as there is deep frost in the ground yet, and it will take two or three weeks of good weather before planting can be done; one day will be fine and fairly warm and the next cold. This week we had snow and then rain—then soft, and then 14° of frost, and so it goes.

The Vanderbilts, Berwinds, and many other New York and Boston families are preparing to open their estates for the coming summer and business in all lines will soon be much better; many of the gardeners of these larger places already are purchasing their supplies.

Milwaukee.

Trade has been excellent. Stock has cleared out at good figures. Greens of all kinds are selling well with a decided scarcity in smilax. Some fine adiantum has been noted. Bulbous flowers which for a long time were very slow sale have moved fairly well lately. The prospects for a good Easter trade are bright but there is no doubt that there will be enough stock to go around. There is some difference in opinion in regard to the Easter lily situation but without doubt sufficient will be on hand. The plant growers have been busy lately with orders. There is ready sale for such stock as Boston ferns, kentias, lilacs, hydrangeas, azaleas and spiraeas.

At a meeting of the Outdoor Art Association March 19 Mrs. C. B. Whitnall told of the gardening work at the social settlements. She said early work was being begun in window boxes. Early vegetables, scarlet runner beans, pansies and similar seeds will be sowed. C. G. Carpenter of the park board gave some helpful suggestions for garden work.

The Milwaukee Gardeners' Association has decided to move to its new headquarters on Filth street from the German market on March 30. A monster parade has been arranged.

A. Billings, of Cudahy, has a fine lot of longiflorums for Easter. A. V. H.

Pleased With Spring Number.

AM. FLORIST CO.:—I have received the spring number and wish to say that I am very much pleased with it.

FRANK E. WILLBEE.

SELECT List of HARDY PERENNIALS

Suitable for SUMMER CUT FLOWERS.

We enumerate below only the leading varieties. For the most complete list of Hardy Perennials see our current Wholesale List.

	Doz.	100.		Doz.	100.
Achillea, The Pearl, 3-lu. pots.....	\$0.60	\$4.00	Iberis Sempervirens, 3-in. pots....	\$0.65	\$5.00
Anemone Japonica, 3-in. pots.....	.75	5.00	Incarvillea Delavayi, strong flower-		
Anemone Japonica Alba, 3-in. pots..	.75	5.00	ing roots.....	2.00	15.00
Anemone Japonica Queea Charlotte,			Iris Germanica, 12 choice varieties..	.75	6.00
3-lu. pots.....	.75	5.00	Iris Kaempferi, 24 choice varieties 1.50		10.00
Anemone Japonica Lady Ardilaun,			Lychnis Viscaria Splendens, strong		
3-in. pots.....	.75	5.00	clumps.....	1.00	8.00
Anemone japonica Whirlwind.....	.75	5.00	Lysimachia Clethroides, stroog		
3-in. pots.....	.75	5.00	plants.....	.75	6.00
Asters Hardy (Michaelmas Daisies),			Martensia Virginia, strong roots..	.75	6.00
strong divisions.....	1.00	8.00	Monarda Didyma, 3-in. pots.....	.75	6.00
Boltonia Asteroides, strong divi-			Monarda Didyma Rosea, 3-in. pots	.75	6.00
sions.....	.75	6.00	Monarda Didyma Splendens, 3-in.		
Boltonia Latisquama, stroog divi-			pots.....	.75	6.00
sions.....	1.00	8.00	Myosotis Alpestris Grandiflora,		
Caryopteris Mastacanthus, 3-in. pots..	.75	6.00	clumps.....	.60	4.00
Chrysanthemum Maximum "Tri-			Myosotis Palustris Semperflorens,		
umph," strong divisions.....	.75	6.00	clumps.....	.60	4.00
Clematis Recta, 2-year-old plants..	2.00	15.00	Penstemon Barbatus Torreyi, strong		
Coreopsis Lanceolata, strong clumps	.75	6.00	divisions.....	1.00	8.00
Coreopsis Lanceolata, strong 4-in.			Penstemon Digitalis, strong plants..	.75	6.00
pots.....	.60	4.00	Perennial Phlox, choice assortment	.75	6.00
Delphinium Belladonna, stroog 3-in.			Physostegia Virginia, strong di-		
pots.....	2.00	15.00	visions.....	.75	6.00
Delphinium Formosum, one-year			Physostegia Virginia Alba, strong		
seedlings.....	.75	6.00	divisions.....	.75	6.00
Delphinium Frau Emma Metzger,			Physostegia Virginia Denticulata,		
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Doronicum Caucasicum, divisions..	1.00	8.00	Pinks, Hardy, 6 standard sorts,		
Doronicum Excelsum, divisions....	1.00	8.00	4-in. pots.....	.75	6.00
Eupatorium Ageratoides, strong			Platycodon Grandiflorum, atrong		
plants.....	.75	6.00	roots.....	.75	6.00
Eupatorium Coelestinum, 3-in. pots..	.75	6.00	Platycodon Mariesii, atrong roots..	.75	6.00
Euphorbia Corollata.....	.60	4.00	Primula Veris Superba, divisions..	.75	6.00
Funkia Alba, strong divisions.....	.75	6.00	Primula Sieboldi, 4 distinct sorts..	1.25	10.00
Gaillardia Grandiflora, 4-in pots....	.75	6.00	Primula Veris in choice mixture..	.60	4.00
Cypsophila Paniculata, one-year-old			Pyrethrum Uliginosum, strong di-		
roots.....	.75	6.00	visions.....	1.00	8.00
Helium Autumnale Superba, strong			Rudbeckia Golden Glow, strong di-		
divisions.....	1.00	8.00	visions.....	.50	4.00
Helium Pumilum, strong divisions	1.00	8.00	Scabiosa Caucasia, strong field-		
Helianthus Multiflorus, fl. pl.....	.75	6.00	grown plants.....	1.25	10.00
Helianthus Multiflorus Maximus..	.75	6.00	Senecio Pulcher, strong plants....	1.00	8.00
Helianthus Meteor.....	.75	6.00	Statice Eximia and Incana.....	.75	6.00
Helianthus Tomentosum.....	.75	6.00	Stokesia Cyanea, very strong 3-fo-		
Helipaisa Pitcherianus, strong divi-			thals.....	.75	6.00
sions.....	.75	6.00	Thalictrum Aquilegiafolia Atropur-		
Heuchera Sanguinea, 3-in. pots....	1.00	8.00	purea, strong clumps.....	1.00	8.00
Hollyhocks, Dreer's Superb Double,			Tricyrtis Hirta, strong plants....	1.00	8.00
one-year-old plants in 6 distinct			Trollius Europaeus, strong divi-		
colors.....	1.25	10.00	sions.....	.75	6.00
Hollyhocks, Dreer's Superb Double,			Tritoma Pätzeri, strong plants....	1.00	8.00
in mixture.....	1.00	8.00	Tritoma Coralina, strong plants..	1.00	8.00
Hollyhocks, Allegheny, in choice			Tritoma MacOwani, strong plants..	1.00	8.00
mixture.....	1.00	8.00	Tritoma Uvaria Grandiflora, strong		
Hollyhocks, Single Old-Fashioned, in			plants.....	1.00	8.00
choice mixture.....	1.00	8.00	Veronica Spicata, 3-in. pots.....	1.00	8.00
			Veronica Spicata Alba, 3-in. pots..	1.00	8.00

HENRY A. DREER, Philadelphia Pa.

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We are the largest growers of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. **60 Varieties.**

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White.		Pink.		Crimson.	
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Our grafted roses are fine, bushy plants and grown in 3 and 3 1/4-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. Send for Catalogue.

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Blooming Easter Week or from now if desired. I am noted for the past years and have a reputation among the trade all over the land, for growing a large and abundant assortment of choice Easter blooming plants of every description. I have an immense stock in large houses and 15 hot beds are crowded to their full extent, in better shade and condition than ever before. **Azalea Indica; 3 houses filled** with this only choice American variety. I know exactly what my customers and the public want. My son Howard and I went to Europe last summer on account of the scarcity of Mme. Van der Cruyssen azaleas, and must say with great pleasure that we were successful in obtaining **2,000** of this beautiful variety **alone** and offer them now as the gem of my stock only; none of it has been picked out by fall sales and I have the residue left. I make it a rule not to offer any in the fall outside of Xmas. Please note my prices of the **2,000** Mme. Van der Cruyssen; 6, 7, 8-inch, 60c, 75c to \$1.00 each; specimens, \$1.25 to \$1.50 each. These are as good as an apple and covered with buds. Other varieties of which we have a large stock: B. A. Alba, Niohe, double white, Empress of India, Prof. Walter Vermeriana, Dr. Moore, Loo, Dr. Manhurst, Paul Weber, Simon Rucker, Lustre and about 12 more leading varieties, 6, 7, 8-inch pots, 50c, 60c, 75c, 90c, \$1.00 each; specimens, \$1.25, \$1.50 each. If pots are not wanted we take the fresh soil off, because Azaleas never make new roots during winter; that makes packing light and safe and reduces the express charges considerably.

Lilium Harrisii and **Japan Multiflorum**. Have about 2,000 to offer. Raised only from special brand bulbs of Mr. H. F. Michell at the cost of \$100.00 per 1000; 6-inch pots, from 5 to 8 buds to a plant, 10c per bud; under 5 buds, 12 cents.

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Hydrangea Otaksa, 6 to 7-in. pots, from \$4.00, \$5.00, \$6.00, \$7.00 to \$12.00 per dozen.

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Spirea Compacta, Superba, and **Florihunda**, 6-inch pots, \$3.00 to \$4.00 per doz.

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Hyacinths, only the choicest of my own importation, all shades, \$10.00 per 100.

Tulips, Tournesdale, double red or yellow, best selling tulips, 3 in a pot, 4-in. pots, \$1.50 per doz.

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Araucaria Excelsa, 6-in. pots, 5 to 6 tiers, 22, 23 to 26 inches, \$1.00, \$1.25 and \$1.50 each; 8-in. pots, 28 to 35 in. high, perfect jewels, \$3.00 to \$3.50 each; worth \$5.00 each easy; 5 1/4-in. pots, 3 tiers, 50c; 4 to 5-in. slightly damaged, 25c, 30c to 40c.

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Smith's Hyb. Moon Vines, best in the world, 2 1/2-inch pots, \$5.00 per 100.

To save express charges please state if pots are wanted. All goods shipped at purchaser's risk. Cash with order is needed. Buyers coming to Philadelphia are respectfully invited to visit my place and inspect buying elsewhere. Take 13 or Germantown car to Ontario Street.

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**Cheap Palms and
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Latania Bor., 2-in. pot, seed leaves..	3.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	20.00
Kentia Bel., 2 1/2-in. pot, 8-10 in., 2-3 leaves..	12.00
" " 2 1/2-in. pot, 15-18 in., 3-4 leaves..	15.00
" " 3-in. pot, 15-18 in., 4-5 leaves..	18.00
" " 3-in. pot, 18-24 in., 5-6 leaves..	20.00
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Prices are for rooted cuttings. Plants from 2 1/4 x 3 1/4-inch pots, 1c each extra. Five of a kind at 100 rate but no order filled for less than \$1.00. Send for list of 50 choice varieties including 1904 novelties.

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Largest Growers of 'Mums in the country. Our stock is in the hands of experienced men and always kept up to the top notch in quality. We have now ready most of the leading commercial varieties in R. C. or 2 1/2-inch. Orders received now for May, June and July deliveries will receive the benefit of selling price at the time of shipment. Our object is to grow the stock and to have plenty of time in which to take proper care of your order. This will simplify matters a great deal and give better satisfaction all-around. Have 3000 2 1/2-inch Merry Christmas that need shifting. Have no room. Quote them at \$18.00 per 1000; \$2.00 per 100. Write immediately.

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I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

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"NEW DAYBREAK"

To the commercial grower who is looking for profit, this variety is all that its name implies, and will at once commend itself as the old Daybreak reincarnated without its faults. Color, true Daybreak shade, of Daybreak and S'ntt extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms, large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper. Price, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000. **OTHER NEW AND STANDARD VARIETIES.**

The best American and best standard sorts. Write for Price List.

Chrysanthemums, foreign varieties and best standard sorts. Write for Price List.

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VIOLET PLANTS.

Princess of Wales. Field-grown, well-rooted, delivered at \$15.00 per 10.0 or \$2.00 per 100.

Remember we pay the express charges. Cash with order.

Ocean Park Floral Co., Ocean Park, Cal. E. J. VAWTER, President.

CHRYSANTHEMUM MANUAL.
NEW BOOK BY ELMER D. SMITH.
Will be ready soon.
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WE ARE NOW BOOKING ORDERS. PRICE, 25 CENTS, CASH WITH ORDER.
American Florist Co., 324 Dearborn Street, Chicago.

Louisville, Ky.

Herbert G. Walker was recently the defendant in a suit for \$1,000 damages for malicious prosecution. The judge gave peremptory instructions for the defendant. The case grew out of F. Walker & Company placing signs telling of their removal to a new store in a yard rented by them. The occupants of the upstairs apartments repeatedly removed the signs and were arrested for disorderly conduct. The charge was dismissed and the suit then filed for damages with result as above in Mr. Walker's favor.

The Kentucky Society of Florists' carnation exhibit was held at the residence of Jacob Schulz. The show was a fine one and largely attended. Vases of several of the new varieties of roses attracted considerable attention. Refreshments were served and a good time generally enjoyed by the florists attending.

Chas. Rayner bought what he supposed was the best putty but which proved to be about as useful as that much mud when he constructed his new range of houses. He intends to sue the seller for damages.

Wood, Stubbs & Company are doing a good business in seeds. They publish a very attractive little book on "How to make a lawn," advertising their grass seed.

Notwithstanding much bad weather business has been very good the first half of March. The spring openings of the stores have helped in keeping things lively.

Jacob Schulz is very successful with Enchantress. He finds ready sale at \$1.50 per dozen. Ordinary carnations sell for 60 cents per dozen at present.

F. Walker & Company and Nanz & Neuner have issued attractive spring catalogues and are doing a good mail order business.

Fred. Klink, foreman for E. G. Reimers, has gone into business for himself and has built two greenhouses.

C. H. Kunzman is cutting some fine Prosperity carnations and is bringing in fine pot plants of hyacinths and tulips.

The Sunrise rose is a favorite in Louisville. H. G. W.

Oceanic, N. J.

The regular meeting of the Monmouth County Horticultural Society was held at Oceanic, N. J., March 18. Geo. H. Hale showed some of his beautiful Princess of Wales violets, which scored 95 points. He had Amaryllis Johnsoni, which scored 90 points, and Von Sion narcissi, receiving 70 points.

The discussion of the evening was "What constitutes a table plant?" The members came to the conclusion that a table plant should not be more than twenty inches high. A visitor was W. M. Campbell, of Vaughan's greenhouses, Chicago and New York, who showed a truss of the Rose Madame Norbert Levassieur, a cross between Crimson Rambler and a polyantha. The plant grows from eighteen to twenty inches high, and can be well used for the border of a rosebed. The judges of the evening were A. Williams, John Yoemans and N. Butterbach. B.

AMERICAN FLORIST Co.—Please continue my paper for the ensuing year, as I would much rather miss my meals than the FLORIST. EDWARD GREENWOOD. Linton, Ind., January 11, 1904.

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Strong Root Pieces, averaging 2 to 3 eyes.

- ALPHONSE BOUVIER.
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- BLACK BEAUTY, \$7.00 per 100.
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- SAM TRELEASE, \$4.00 per 100.
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UNLESS NOTED \$2.00 per 100; \$18.00 per 1000. WRITE FOR PRICES ON LARGE LOTS.

The Storrs & Harrison Co., Painesville, Ohio.

YOUNG PALMS	100	1000
Kentia Belmoreana, Forsteriana, 2-in	\$6.00	\$50.00
Phoenix Canariensis, 2 1/2-in., ext. strong	2.00	18.00
Washingtonia Filifera 2 1/2-in.	1.75	15.00
Chamerops Excelsa, 2 1/2-in., 4 leaves...	2.00	
Corypha Australis, 2 1/2-in., 4 leaves...	2.00	
Latania Borbonica, 2 1/2-in.	2.00	18.00
Ptychosperma Alexandrae, from flats...	1.00	8.00
Chamerops Excelsa, from flats.....	1.00	8.00
Erythea Edulis, from flats.....	1.00	8.00
Latania Borbonica, from flats.....	1.10	8.00
Dracaena Indivisa, (Cordylina) 2-in....	2.00	17.00

EXOTIC NURSERY, Santa Barbara, Cal.

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. PEONIES, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.10 100. H. P. ROSES, dormant, own roots, \$1.50 per doz; \$12.00 per 100. CLEMATIS PANICULATA, 2 and 3 year, \$1.00 per doz. F. A. BALLER, Bloomington, Ill.

Hydrangeas.

In fine shape, 4-inch pots, \$8.00 per 100.

Iberis Sempervirens.

3-inch pots, \$3.00 per 100; 200 for \$5.00.

Cash With Order.

C. G. NANZ, Owensboro, Ky.

Roses. Roses. Planis and Rooted Cuttings.

R. C. Per 100	2 1/2-in. Per 100
American Beauty.....	\$3.00
Bride, Maid Ivory, Gate.....	1.50
Perle, Kaiserin, Canadian Q'n	2.00

LOW RATE BY THE THOUSAND.

BOSTON FERNS, 2 1/2-inch, \$4.00 per 100; 3-inch, \$8.00; 4-inch, \$12.50; 5-inch, \$25.00; 6-inch, \$40.00. Fine stock. Note the special low prices on smaller sizes. CULLETT & SONS, Lincoln, Ill.

GERANIUMS.

S. A. NUTT, 2-in. pots, \$2.00 per 100. \$20.00 per 1000; 2 1/2-in. pots, \$2.50 per 100; \$25.00 per 1000; 3 and 3 1/2-in. pots, \$1.00 per 100, \$35.00 per 1000; 5-in. stock plants, \$5.00 per 100.

JOHN C. URE, 2843 Evanston Avenue, CHICAGO, ILL.

EASTER.

Have a very fine lot of Easter Lilies. These plants are nice and green all the way up to the flowers. Sell at \$12.00 per 100 buds. Cash with order.

E. WICKERSHAM & CO., POTTSTOWN, PA.

EASTER LILIES.

3,500 pots Longiflorum Multiflorum and Harrisii, 3 to 6 flowers, 5 to 6 in. pot, 1 1/2 to 3 feet high fine foliage, none finer, per bud or flower, 10c. 300 Hydrangeas Otaksa and Hogg, 5-in. pots, 25c and 35c each. State if wanted with or without pots. Cash with order.

Christian Dehn, 178-B0 Beekman Street, Saratoga Springs, N. Y.

American Florist Advertisements Work Every Day.

A FEW GOOD THINGS YOU WANT.

- KENTIA BELMOREANA and FORSTERIANA PALMS, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.
- REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.
- DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.
- ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.
- BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.
- ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.
- GERANIUMS, 2-in. pot plants. Double and single Grant, Bunnott, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Sallerot, \$2.50 per 100.
- ROOTED CARNATION CUTTINGS, Queen Louise \$1.00; Lawson and Prosperity, \$1.50; Crocker and Goodenough, \$1.00 per 100; 2-in. pots, \$2.00 per 100.
- GLADIOLUS BULBS, fine mixture, \$1.00 per 100.
- 2 1/2-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow Single and Double PANTUNIA, HELIOTROPE, Golden Gate and Bridesmaid ROSES, DRACAENA INDIVISA, VERBENA, LEMON VERBENA, \$2.00 per 100.

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708 North 16th St., PHILADELPHIA, PA.

Kansas City, Mo.

An effort is being made to interest the florists of this city in a movement which has for its object the holding of a flower show in Convention hall next November. It is understood that the directors of Convention hall are in favor of holding the show, but they are of the opinion that the florists should take more interest in the plans and management than they have in the past. "Uncle John" Thorpe, who was the superintendent of the two flower shows heretofore given in Convention hall, is getting very restless over the interest shown here. He is at his home in Chicago. He has written to several friends here, urging them to take part in the movement for holding a show and has advised several florists that it is their duty to take the lead. W. L. Rock is now working among the florists on the lines suggested by Mr. Thorpe and will probably issue a call for a meeting soon.

The greenhouse owned by Charles Semmler is a wreck and all of the flowers are ruined. The hail did the damage and the loss will reach \$1,500.

Lowell, Mass.

Business is apparently trying to make good for the dull spell of the last two months. The demand for flowers for funerals has been heavy. Once more we are enjoying good weather. The severe winter seems to have closed. With Easter near everyone is bustling and anticipating a big business. The plant men promise plants and flowers galore. A good many of the Easter lilies sold here come from E. N. Peirce & Sons, of Waltham, the largest grower of Easter lilies in New England. The supply of bulbous flowers is heavy. Paper Whites, tulips of all colors, with no end of daffodils, and Dutch hyacinths, have certainly had telling effect in bringing down carnations from their high perch. Lawson, Enchantress and all the other top-notchers have had a bad tumble in price. Blooms of excellent quality at present are only bringing in \$2 to \$3 per 100. The violet supply is nearly exhausted, owing to the heavy demands of late.

M. A. Patten & Company are sending to town some Enchantress that are hardly out of the box before they are sold.

A. C. Tingley is cutting callas in large quantities. A. M.

ONE HUNDRED THOUSAND

ASPARAGUS Plumosus Nanus

SEEDS at \$5.00 per thousand.

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One-year-old from frts. 2-inch, 3 and 3 1/2-inch, 1c, 2c, 3c, 5c, each. All fine and need repotting. Cash with order, please.

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No bugs
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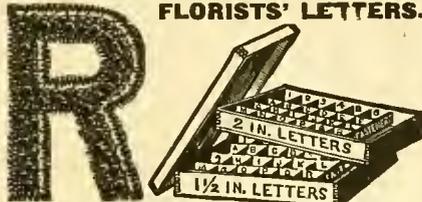
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" 7.	6x16x20.....	5.50	54.00
" 8.	3x 7x21.....	3.00	28.50
" 9.	5x10x35.....	6.50	62.00
" 10.	7x20x20.....	9.50	87.50
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Business is steadily increasing, and not so erratic as lately though the weather is still unfavorable. Roses in all varieties are more plentiful. Bulbous stock is not in an over supply as last week and prizes are more firm. Carnations are plentiful and a very good grade. The outlook for Easter is propitious. All kinds of flowering plants will be numerous, carnations in full crop and roses fair. Harrisii now looks as though it would need a little extra firing.

The regular monthly meeting of the Gardeners' and Florists' Club was well attended. Business relating to the carnation show took up most of the evening. The judges' report was accepted.

March 17 was marked by a very good day's business. The weather moderated and banquets helped to keep the retailers busy. All the smaller oxalis plants were sold out early in the morning.

E. Crowhurst, of Humber bay, is at present cutting some very good carnations. He has not been in the business very many years. H. G. D.

Providence, R. I.

Roses and carnations are abundant, and the former are inclined to an overplus at erratic figures. We sincerely hope that the present good weather may last till Easter and produce a good cut. Business is between medium and good. Lilies are in doubt, the probability of small receipts being admitted generally. Other Easter stock is abundant.

The Florists' Club holds a flower exhibition the second Thursday in April, and all florists are requested to stage something to show their merits. M.

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1500 2 1/2 " " 5.25	60 8 " " 3.00	
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 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
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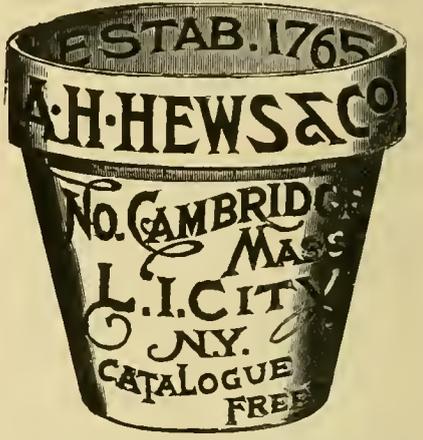
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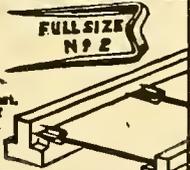
6 x 8 to 10 x 15.....B. D. \$2.75 A. D. \$2.80
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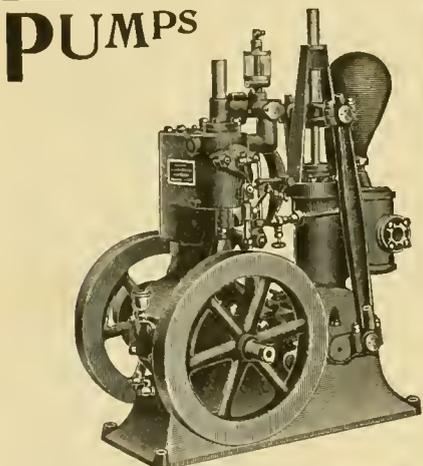
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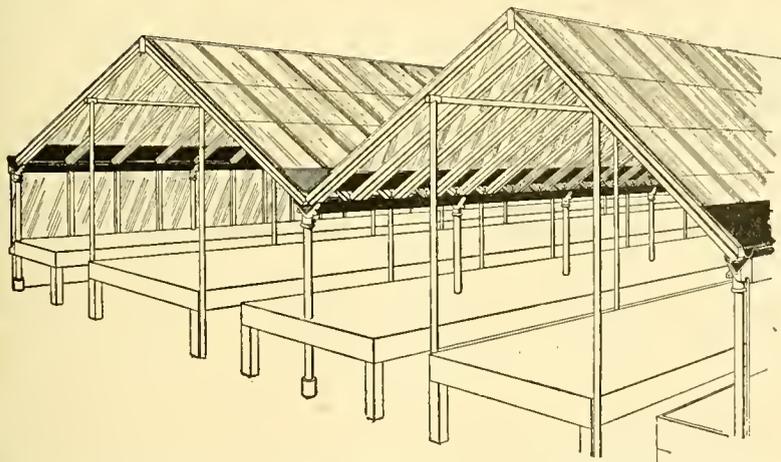
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THE AMERICAN FLORIST



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Vol. XXII.

CHICAGO AND NEW YORK, APRIL 2, 1904.

No. 826.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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Volumes half-yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—PHILIP BREITMEYER, Detroit, Mich., president; J. J. BENEKE, St. Louis, Mo., vice-president; WM. J. STEWART, 79 Milk St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twentieth annual meeting at St. Louis, Mo., August 16-19, 1904.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Chicago, 1905. ALBERT M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass., 1905. LEONARD BARRON, 136 Liberty St., New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1901. FRED H. LEMON, Richmond, Ind., secretary.

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Our Craftsmen's Civic Duties.

During the recent St. Louis meeting of the directorate of the Society of American Florists, the visitors were tendered a banquet by local members of the trade, at which Theodore Wirth, of Hartford, Conn., a member of the board of directors, made an address which is well worth the close attention of the entire trade. It was as follows:

"I wish I were able to give appropriate expression to my feelings of pleasure and pride to be with you to-night, and if I fail to convince you, which I am inclined to think I will, than I am more than thankful, delighted and happy to share your comradeship and hospitality, it is because of my inability to find the words which would best give expression to my thoughts.

"I have come to your beautiful world's fair city on errands which it shall be my earnest endeavor to fulfill to the best of my ability. One of these errands is to discharge the duties of the office, which the distinguished president of our national society has done the honor to bestow upon me. Another is to look out for the interests of the horticultural department of my state, Connecticut, in the greatest world's fair ever held, and in connection with these errands it is my good fortune to enjoy at the same time your generous hospitality and good fellowship of which there is such a convincing display here to-night. I assume that most of you gentlemen are commercial florists, but I also take it for granted that of those present many are following some other branch of our noble profession and that whatever these branches may be we are all united in the desire and endeavor to better our calling and advance our interests. Our professional organizations of local and national character are the most influential and successful means towards progress and prosperity. We come together to learn from each other, and so to be helpful amongst us as brothers should be; we meet for sociability and development of good fellowship, and where could good fellowship be better developed than amongst men interested in the same calling of life? I pity the colleague who for one reason or another, does not take advantage of the opportunity to enjoy the benefits of associating with fellow members of the craft, for his life must be a lonely, selfish one, and he must become one-sided and with time must fall behind.

"But gentlemen, besides the benefits which our professional organizations give

to their members in various directions, I believe there is still a much larger field of healthy development and beneficial work that can be followed, which would be worthy of the noble calling we follow, and which would be befitting the industrious, intelligent and progressive tendencies of the members who constitute our organizations. I believe our florists' clubs and horticultural societies should interest themselves to a great extent in such developments and improvements of their respective municipalities, in which on account of their professional knowledge and abilities, they should take the initiative and advisory leadership. They should interest themselves in the development of parks and public playgrounds, school gardens, the planting and maintenance of street trees and the beautifying of home grounds; in fact they should become leading spirits in anything that will make their home cities better, more beautiful and healthier to live in. It can be done like anything else that is supported by good will, earnest work and intelligence, and all labors spent in that direction will bear satisfactory results and eventually bring good interest for labor and time expended, for it stands to reason that with the development of good taste, order and ornamentation of our grounds and streets, there will be created a public desire and demand for the beautifying of home grounds, which will result in commercial advancement of our trade.

"I should like to see some of you leading craftsmen occupy positions on boards or commissions that have charge of this important branch of municipal administration. I should like to see you get there on account of your evident fitness for the position, and not through political wire pulling, and I feel satisfied that if selected on account of those mentioned qualities you would do your best to stamp out that despicable, contemptible monster, political corruption, which is yet to-day such a detriment to our park development and administration in so many of our largest cities. What better field, besides those nearest to our own immediate advancement, which by law of human nature we are first called on to develop, is there for our local and national organizations to follow, and why in following same should we not deserve the support and earn the respect of the public in general, whose servants we are and wish to be?

"I trust you will kindly excuse my selecting this subject for my remarks. I

am, as my position as park superintendent would indicate, deeply interested in park work, and I know that all of you more or less must take some interest in this matter. There seems to be a growing tendency in our park developers to cut out to a great extent at least floral decorations from park work, and I myself with all of you agree that there are a good many instances in all parts of our country where criticism is justified in regard to the offensive and unharmonious bedding display in connection with natural landscape effects, which not only do not need any floral embellishment, but to which such displays are an absurd and distasteful detriment. Here is just the point where the advice of a competent authority is needed and where so many of our leading professional men of good taste and intelligent judgment could be of service. Because those features are out of place here or there, it is not said that they are well placed elsewhere. Ninety per cent of our park visitors are attracted by floral displays. Bright colors in flowers and foliage, individual beauty and harmonious combinations appeal to them, more so than natural landscape effects. I know this from experience gained by close observation of our visitors, and therefore I am and always will be in favor of a reasonable, liberal, tasteful display of floral decorations in proper locations with harmonious surroundings in our parks, for I believe it is the masses and not the classes to which we are first bound to cater."

Massachusetts Horticultural Society.

It was a superb exhibition which greeted the public when, at the appointed hour on Thursday afternoon, March 24, the doors of Horticultural Hall were thrown open. The quality of the individual exhibits was superb, but that was to be expected. The excellence of the arrangement of the exhibits generally, the completeness and order prevailing and, above all, the fact that the judging had all been done, the committees having had the hall to themselves and all intruders barred out, came in the nature of a mild surprise and brought a lively realization of the truth that the affairs of the society, and particularly its exhibitions, are at last in competent hands. It is less than three months since the new con-

trol went into effect. Old traditions, deep-rooted customs and life-long habits are not overcome in a day and the vast improvement noted in this exhibition is only one step as compared with what will undoubtedly be accomplished in the art of exhibition-making between now and the day, one year hence, when the grand old society shall put on her best clothes and extend a welcoming hand to the Queen of Flowers and her votaries from all over the land.

The plant groups were disposed principally in the main exhibition hall. The cyclamens, unapproached in cultural excellence by anything ever seen on this continent, occupied the center foreground as viewed from the loggia and beyond were ranks of cinerarias, spring flowering bulbs and palms and at the farther end was a remarkable group of M. H. Walsh's hybrid Rambler roses. To the right and left were splendid displays of hybrid hippeastrums from Walter Hunnewell, obconica primroses from Harvard Botanic garden, promiscuous spring-blooming plants from R. & J. Farquhar & Company, Louis Dupuy and others. Julius Roehrs' exhibit occupied the center with a stately group of palms, foliage plants and orchids, the class entries in spring flowering bulbs and hardy primroses being arranged on tables beyond. The hippeastrums, forty in number, were seedlings comprising a wide variety of colors and marking and the lack of foliage characteristic of these plants was compensated for by the use of small plants of *Cyrtomium falcatum*. The bank of *Primula obconica* from the Botanic Garden was well finished with palms and small-foliaged plants as was also the Farquhar group of tulips, narcissi, lily of the valley, etc., opposite, in which fine taste in arrangement was displayed. Mr. Dupuy's group included specimens of *Erica cylindrica*, *ventricosa magnifica*, *V. coccinea minor*, *persoluta alba*, *cupressina*, *Wilmoreana*, *intermedia*, *Cavendishiana*, *perspicua nana* and *translucens* and the beautiful new *Hydrangea azurea*. In Mr. Walsh's rose exhibit were many enormous specimens of Wedding Bells, double pink, Lady Gay, double pink, Hiawatha, single carmine, Minnehaha, double pink, Sweetheart, double white and La Fiamma, single pink, bearing myriads of blossoms and they attracted more atten-

tion than would a whole hall-full of Bride, Bridesmaid and similar products.

In the bulb displays, tulips and narcissi were seen in great variety and excellence of quality, but the hyacinths were hardly equal to former displays, due to the effects of the two cold seasons in Holland. In Mr. Roehrs' groups were several things comparatively new, including *Livistona Woodwardii*, a free-growing palm with orange petioles and entirely devoid of thorns, *Calamis intermedia* and a new fern named *Lomaria l'Herminierii*, with young fronds deep red colored. *Hydrangea azurea* and *Hortensia rosea* were also included. The cyclamens were simply perfection. Geo. F. Fabyan, Jas. Stuart gardener, and J. S. Bailey, J. Nilan gardener, and E. J. Mitton, Jos. Larson gardener, were the principal competitors. As heretofore, Mr. Stuart demonstrated that he is without a peer in this speciality. The cinerarias were all large, stately specimens but the stellata type was conspicuously absent, which was a pity.

The lecture hall was devoted to the orchids and cut flowers, a very comprehensive and extensive exhibit of forced shrubbery, such as wistarias, lilacs, staphyleas, azaleas, etc., *trylliums*, *cyripediums* and other native and Alpine plants with tulips, hyacinths, daffodils, crocuses and spring bulbs in gorgeous array, from the Bussey Institution giving the needed setting for the vase displays. The showing of carnations was extraordinarily fine. *Enchantress*, *Fair Maid*, *Mrs. M. A. Patten*, *Nelson Fisher*, *Gaiety*, *Harry Fenn*, *Mrs. Lawson*, *Boston Market*, *Gov. Wolcott*, *Her Majesty*, *G. H. Crane*, *J. H. Manley*, *Adonis*, *Eldorado* and *Dorothy Whitney* held the place of honor among the prize winners; a full list of the successful exhibitors will be found in the prize list. Among the novelties were a vase of promising seedlings from Miss E. J. Clark; *Helen Goddard*, a very shapely pure pink from S. J. Goddard; a white seedling from L. E. Small; *Chester Roper*, a crimson-striped white from A. Roper and *White Lawson* from F. R. Pierson Company. The *Bride* from J. N. May and *The Queen* from John Barr were on view but not for competition.

The orchid displays were very fine. Lager & Hurrell put up an unique collection of rare and beautiful varieties including *Dendrobium nobile nobilium*,



CYCLAMENS AT THE BOSTON EXHIBITION, MARCH 1904.



WALSH'S HYBRID RAMBLER ROSES AT BOSTON EXHIBITION, MARCH 1904.

Lælia Jongheana and *L. Crashleyana*, the latter having flowered for the first time in this country. J. E. Rothwell also staged a superb collection including many rare hybrids. J. S. Bailey had a group of eight different forms of *Dendrobium nobile*. In E. V. R. Thayer's group were seen some of Mr. Orpet's seedlings, including *Lælio-Cattleya* G. S. Ball, *Lælia Percinn* and *Cattleya* × *Catherina* (*Warneri* × *Schroderæ alba*) the latter receiving a certificate of merit. W. P. Winsor and Col. Chas. Pfaff each made very large displays of cut orchid blooms, rich in *odontoglossums*, *phalenopses*, *dendrobiums* and other sorts, all fully named.

In roses the entries were few and unimportant. Col. Pfaff staged a set of twenty-four named varieties of hybrid perpetuals, all fine blooms. F. R. Pierson Company had *American Beauty* and *Waban* Rose Conservatories had *Beauty*, *Ivory* and *Golden Gate*. A vase of the beautiful crimson *General MacArthur* came from John N. May. In violets there were eight exhibitors, all the standard varieties being shown in good form except the intractable *Marie Louise*. Wm. Sim had vases of his *Mt. Blanc* and *Blanche Ferry* sweet peas, the size and quality of which have never been equaled and M. A. Patten showed a vase of blooms of *J. J. Harrison geranium* which was a veritable eye-opener. F. R. Pierson's exhibit of the improved form of the

Pierson fern was the center of much interest. The pinnae in this variety are again pinnatifid and crowded together into a deep fluffy mass resembling an ostrich plume. The habit of the plant is much dwarfer than that of the original Pierson fern, the broad and short heavy fronds gracefully arching.

Diplomas were awarded, in addition to those above mentioned, as follows: Certificate of merit to M. H. Walsh, for roses *Wedding Bells* and *Babette*; Louis Dupuy, for *Hydrangea hortensia rosea*; F. R. Pierson Company for improved Pierson fern and for *Carnation White Lawson*; A. Roper for *Carnation Chester Roper*. Honorable mention was given to Julius Roehrs, for *Livistona Woodwardii*; L. E. Small for seedling *carnation No. 3*; S. J. Goddard for *Carnation Helen Goddard*. Wm. Sim received cultural commendation for sweet peas; Walter Hunnewell received a botanical certificate for *Amorphophallus Rivieri* and the Harvard Botanical Garden received a botanical certificate for *Echinocactus Visnaga*. Other exhibitors not competing in the prize entries and not already mentioned in these notes were Peter Fisher, who staged grand vases of *Nelson Fisher* and *Mrs. Patten* carnations; E. W. Converse with a fine group of cyclamens, primulas and palms; Arthur Clark, native orchids and violets; Mrs. E. M. Gill, general display; E. A. and W. K. Wood, *mignonette* and *Mrs. J. M.*

Sears, gardenias.

The exhibition was opened free to the school children from 10 a. m. till noon on Saturday. Crowds of them were in attendance under conduct of their teachers and the innovation has received much approving comment in the public press.

H. H. Hunnewell Triennial Premium.

This prize, established by the late H. H. Hunnewell for award through the garden committee of the Massachusetts Horticultural Society, is offered for the estate of not less than three acres which shall be laid out with the best taste, planted most judiciously, and kept in the best order for three consecutive years. The cup shown in the illustration on the next page has been won by H. H. Rogers, of Fairhaven, Mass. Its value is \$160. The visit of the garden committee last fall to Mr. Rogers' beautiful home was fully described in these columns at the time, accompanied by some of the garden views. James Garthley is the gardener and superintendent of the estate and to his proficiency and industry much of the credit for its comeliness and charm is due.

PORTLAND, ME. — A brisk fire in the basement of the store occupied by "Dennett, the Florist," on March 20, damaged the stock of boxes and other sundries to the extent of a few hundred dollars.

A Visit to Chicago.



Last week I visited a few of the larger places in Chicago for the double purpose of inspecting the stock and of taking notes on modern greenhouse construction, as I intend to rebuild this summer. I found nearly all the large growers in favor of large wooden houses of something near even span and built in blocks, but I found a great difference of opinion in regard to gutters. As I consider the gutter the most important part of the greenhouse I paid particular attention to this part of the construction. While iron gutters seem to be growing in favor, many growers are as much in favor of wooden gutters as ever. The man with the iron gutter bases one of his arguments on durability; the man with the wooden gutter argues cheapness of construction. The iron man says wood is not cheaper in the long run. The other says a wooden gutter well kept will last as long as the rest of the house. It seems to me that much depends on the care of both gutters. Even iron will not last forever and a good cypress or red cedar gutter, properly painted and cared for, will last a long time. Probably of more importance than first cost or durability is the question which the iron gutter man answers this way: Iron gutters melt the snow quickly and prevent the houses from being covered with snow and obstructing the light. It takes heat from the house, but heat can be supplied artificially and light cannot. The other side argues that it takes too much heat, that heat goes through the gutter all winter, not only when it is melting snow, but also at all other times, when it is simply wasted. Whether or not the cost of this extra heat is paid for in results of the extra light every florist must decide for himself. Different conditions existing in different localities make different constructions necessary.

Here at my place, in Kokomo, I believe that I am not troubled enough with snow to justify my putting in iron gutters on account of snow. It never piles up enough to break any glass and only about three or four days each year does it stay on the glass long enough to unduly obstruct the light. While the snow question varies in different localities, the question of cost and durability remains the same and is often settled differently under exactly the same conditions. For example, there are two large places in Chicago side by side. One firm is not only building its new ranges with iron gutters but is constantly tearing down old houses in order to rebuild with iron gutters. At the other place houses are going up with wooden gutters and the proprietor claims that they are not only the cheapest but the best. So after all arguments are done we will each decide to suit our own means and inclinations. For my own use, and take note I am not advising this to anyone else unless he has figured out his conditions to be the same as mine, I was the best pleased with a two piece "V" shape gutter manufactured by the Foley Manufacturing Company. It is not exactly "V" shaped, being slightly rounded at the bottom and fitting together in a dove tail. The edges on which the sash-bars rest are cut on the concentric principle, so that the drip from the inside of the glass falls free of the gutter into the drip conductor.

At Vaughan's greenhouses at Western

Springs nearly every style of wooden and iron gutters may be seen and their advantages and defects show up side by side, and just at present the bad ones do not seem to be affecting the stock very much for everything is uniformly fine throughout the place. Kentias and Boston ferns in various sizes were especially well grown. Auracarias and rubbers were seen in quantity and were well done. Roses, geraniums, cannas and a general assortment of bedding plants are grown in large numbers. The most promising novelty is the new Dwarf Crimson Rambler. Quite a number of these are growing here in fine shape. It will certainly be a great acquisition to the trade.

At Peter Reinberg's everything was seen in first class shape. My visit here was to inspect the new rose Uncle John, for I had never seen it growing. It is identical with Golden Gate except in color which is surely a big improvement as it shows a much brighter color and has not that dull, faded look that it so often seen in Golden Gate. Those who grow Golden Gate profitably will find Uncle John a greater money-maker. Chateau is grown here in large quantities and shows up in vigorous form. Such growth is seldom seen in any rose. American Beauty, Bride, Bridesmaid and Liberty were all in the pink of condition. Young stock is grown here by the tens of thousands and the leading forcing varieties such as Beauty, Perle, Sunrise, Chateau, Bride, Bridesmaid, Ivory, Golden Gate and Uncle John could not well be in better shape and great credit is due George Collins, the foreman. The carnations which are grown here by the acre are also looking well with but few

exceptions. Special mention should be made of Estelle, for both the plants and flowers were the finest the writer has ever seen. It is certainly the best in its class when well done. I did not have the pleasure of seeing Peter Reinberg himself for, as I was told, he was out looking after his political fences around the aldermanic field in his ward.

W. W. COLES.

Oncidium Tigrinum Unguiculatum.

Oncidium tigrinum unguiculatum, exhibited by George Melvin, gardener to Colonel Charles Pfaff, South Framingham, Mass., at a meeting of the Newport Horticultural Society February 17 and awarded the society's silver medal, was a superb specimen. If it could be taken as a sample of what can be done with this variety it ought to find a place in every collection of orchids. The plant had three spikes; each over five feet long, and carried 150 flowers. This variety is somewhat smaller in flower than *O. tigrinum*, its color a pale green speckled with crimson, and lip a clear yellow. It is a native of Mexico. This is the second silver medal of this society that Mr. Melvin has been awarded for orchids in the last four months, besides two gratuities.

The members of the Newport Horticultural Society were addressed by Kenyon L. Butterfield, president of the Agricultural College at Kingston, March 16 on "Education and the Modern Farmer."

At the request of the State Board of Agriculture Alex. MacLellan has written an article on the extermination of the San Jose scale which is to be printed by the board and distributed throughout the state.

D. M.



THE H. H. HUNNEWELL TRIENNIAL PRIZE.

WITH THE GROWERS

A Great Rhode Island Enterprise.



S. J. Reuter. Westerly, R. I., has long been renowned for fine granite. When, however, one contemplates the rapid strides being made by S. J. Reuter's mammoth greenhouses it becomes a question as to how long it will be before the granite industry finds itself confronted with a formidable rival for supremacy as the leading product of the town. At the present rate of increase Mr. Reuter's lot of thirty-three acres would before long be covered with glass. Fortunately he has another lot of ninety-six acres near by.

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walks between and 2½-foot walks next the walls.

A new boiler house, 50x115 feet, has been built. The chimney is eighty-five feet high and ten feet square at the base, and in its construction 110,000 bricks were used. Opposite each two boilers is located a wide door to which teams can back up and dump the coal directly in front of the boilers. By this plan the coal is handled but once and there are no coal heaps outside as the dealer stores it and delivers as needed.

The new range will be practically level, there being but two feet of a rise in grade in a width of 600 feet. An 8-inch main carries the steam from the boiler house, which is 350 feet distant from the nearest greenhouse. The returns are placed within a subway and the water pumped back to the boiler by steam power. Mr.

and develops a very bright and uniform color. Enchantress also does excellently. The plants in two of the Lawson houses were grown in pots, inside, all summer, the object being to secure long stems early. One white sport has appeared this season on the Lawson. Marienne is a fine bloomer with a nice clear white flower and habit somewhat like McGowan. Gov. Lowndes behaves much like Norway, being a good grower with stems of great length, but the flowers seem rather poor keepers. Gov. Wolcott is remarkably robust but late coming into bloom. Mr. Reuter thinks highly of The Queen as a free and good all-around sort and will grow more of it this year. Her Majesty is another white of fine form and vigor which does grandly here. The early blooms of this variety are occasionally slightly penciled with red. White Cloud is grown in limited quantity; Murphy's White has not given satisfaction. Queen Louise is a favorite early white. Mr. Reuter has great faith in Fair Maid, which, under the high-class cultivation given here, has shown well during the past season. A little fringe of freesias, myosotis and similar small-growing material planted along the edge of the carnation benches suggests a thrifty system which seeks to turn every inch of space to good advantage.

There are numerous rose houses in which Bride, Bridesmaid, Golden Gate, Ivory, Beauty and Gontier are seen at their very best and 20,000 lily bulbs are forced. The product of this immense establishment is marketed by Welch Brothers, of Boston, to whom Mr. Reuter, twenty odd years ago consigned his first cut from the little house which constituted his entire original outfit and who have been intrusted with the handling of his flowers uninterruptedly ever since.

Some Short Hills Growers.

Three separate and distinct firms occupy the ranges of houses where formerly the United States Nurseries of Pitcher & Manda held forth, and all are evidently prosperous. The long palm house once filled with stately tree ferns and noble specimen palms, with the tiers of houses opening from it on either side where was



FLOWERING BULBS AND CARNATIONS AT THE BOSTON EXHIBITION.

Mr. Reuter will build no more small houses. He has come to the conclusion that whatever one may grow it is not possible to have the house too good, and the better the house the better the product will be. In line with this conviction one of the original ranges of small houses is to be demolished next season and replaced by six 300-foot houses of modern construction and proportion. An additional range of houses, each 35x500, is also to be erected as rapidly as possible. The first of these has already been completed and planted with carnations, of which it holds 16,000, and another is under way. They are of Lord and Burnham construction, erected by local labor. They are of the most thorough workmanship, the supports bedded in cement and additional strength being given by two braces running obliquely in opposite directions from the ridge to the ground and anchored in the solid rock. The glass is laid the longest way between the bars to secure the greatest amount of light and the sides are five feet high. In each end are three wide doors, only one of which is in common use, the other two being intended to facilitate the moving of soil. Mr. Reuter maintains that if a house be properly built there is no better device for emptying and filling greenhouses than Italian and wheelbarrow.

The beds, of which there are five to a house, are raised on the surface, with cement sides, the soil underneath having been first taken out to the depth of sixteen inches and the excavation filled with gravel. The beds are made four and a half feet in width with 20-inch

Reuter expects to carry steam to every part of the range with from twenty-five to thirty-five pounds pressure.

Carnations are an important crop and of these Lillian Pond is the leading variety. The returns last season from this superb white were approached only by those from the Lawson. Lawson seems very much at home in Westerly



PART OF FARQUHAR'S GROUP AT THE BOSTON EXHIBITION.



CINERARIAS AT THE BOSTON EXHIBITION, MARCH 1904.

an infinite variety of rare and beautiful stove plants, are all devoted by the present occupant, E. C. McFadden, to *Asparagus plumosus nanus*, *A. Sprengeri*, *adiantum*s and *smilax*. There is little to recall former glories but from the hustle of continual cutting and bunching which is going on there it is plain that the florists of New York find in it a useful source of supply for these indispensable goods. Mr. McFadden also has the old Kent place houses at Summit and there *Adiantum Farleyense* is the specialty.

The big range of side-hill houses, covering an area of 38,000 feet, is conducted by John Wilson, and devoted exclusively to Bride and Bridesmaid roses. Mr. Wilson was formerly manager at the Lum establishment in Chatham and thoroughly understands his specialty, as a look through the houses will quickly show. He is a genial, companionable man as well and when interrupted by a visitor loses no time in making him feel at home. On the top of the hill, the old orchid houses are occupied by Anderson & Christensen, who have managed them so thriftily that in the coming spring they are to erect a range of ten iron houses on land purchased on the other side of the railroad station where better facilities for a commercial business will be enjoyed. The old houses will be removed also to the new location. Ferns are the main specialty with Anderson & Williams. These they grow in batches of half a million. Among the best things to be seen there at present is a house of young plants in various sizes of that grand florists' decorative fern, *Cibotium Schiedeii*.

Two New England Growers.

A recent visit to South Sudbury, Mass., revealed a house of Enchantress carnations at Coolidge Brothers' which would excite the unbounded admiration of any carnation grower. The foreman in charge of this establishment is A. M. Johanson, formerly at Waban Rose Conservatories and afterwards in charge of the rose houses of J. W. Howard. Although preeminently successful with roses, Mr. Johanson is not an uncompromising rose man and appears to take with equal kindness and consequent success to the carnation. As seems to be the case everywhere, he looks upon Enchantress as without a peer thus far. Lawson, Roslyn, Queen Louise and Lillian Pond are also grown in large

numbers here, the latter with indifferent success on account of bursting. It is proposed, however, to grow it for a summer crop and to discard in its favor the growing of chrysanthemums which has hitherto been an extensive specialty, giving up the houses to the carnation instead of the chrysanthemum. Mr. Johanson, in common with the majority of carnation growers, has been doing some seedling raising and with more than customary success as some of his seedlings are in the highest grade, notably one not unlike Nelson Fisher, the color being identical. This and possibly one or two others will be exhibited widely next season. The product of this establishment is sold by Welch Brothers, of Boston.

Close by is the range of houses operated by H. N. Eaton, of which Welch Brothers also are the wholesale outlet. The main crop here is lilies which are followed by bedding plants directly after Easter. The proportion of diseased bulbs this year in the stock handled by Mr. Eaton has been very small. The plants as elsewhere average lower in stature than in past years but are well furnished with flowers.

Impressions of Philadelphia Exhibitions.

Our next stop was Philadelphia, to witness the rose show of the American Rose Society, and the spring exhibition of the Pennsylvania Horticultural Society. There were some remarkably fine American Beauty roses shown, and two vases of Liberty as good as we have yet seen (and we understand they were grown upon own root plants). La Detroit also showed up as well as we have yet seen it and was in fine condition when the exhibition closed. In new roses we noted one, a pure white, No. 115, a cross between A. Revoir and A. Furon. It was a very nice flower and seems to possess good points, but as shown the stems were far too short. It would seem now-a-days that the public demand is for roses by the yard, and unless two feet can be added to it it will never make its mark. We thought more of General MacArthur when we saw it growing than we did on the exhibition stand. The buds and flowers as seen here were far too short, but we are inclined to think it was not seen at its best. Enchantress, another new rose with a color resembling the Enchantress carnation, also lacked stem. Cardinal, another debutante, is dark pink (certainly not scarlet); a fine bud and good substance.



LA DETROIT ROSES AT THE PHILADELPHIA EXHIBITION.

The stem could be better, and we question if the color will ever be popular. Golden Gate, Bride and Bridesmaid were wellshewn. Queen of Edgely seems to be growing darker every time we see it. (We sometimes wonder why this rose has not been more popular with the private growers; of all the private places we have visited this last winter we have not once seen this rose.) The show of pot grown roses was very poor, and the classes were very poorly contested. Had this been an exhibition of a local character it might have been passable. For Philadelphia it might have been excusable, but it was very, very poor indeed for "America."

The meeting of the American Rose Society was very well attended, and by a number of prominent growers. There is much less of the "Waldorf-Astoria" silk stocking element about this society now. The common people are having an inning and there are still hopes for its future. A good deal of enthusiasm was inspired by the noble way that many of the men who are interested in the rose for a livelihood came forward and offered liberal prizes to be competed for at Boston next year. Boston is all right. We would like to have seen it in Chicago; it would have given the society (as the sponsor for Chicago put it) "a more national character," but Boston won and we have no doubt whatever but that the Bostonians will do themselves credit. They certainly have a noble chance, for the thing at present is very much of a forlorn hope. A practical man was elected as president, a man of actions not of words, and upon this we base our hopes for the future.

The paper of L. A. Martin on "Hardy Roses" was a practical treatise, by a very able and practical gardener, and if freely published ought to stimulate the cultivation of these popular favorites. Mr. Simpson's lecture upon "Stocks for Grafting" was interesting and instructive, but after all he has not found a stock for indoor use than Manetti. The after discussion brought out the facts that the use of grafted stock indoors was largely on the increase; that it was almost immune from the attack of eel worm; that you could commence to cut from grafted stock earlier in the Fall; that grafted plants were as large and strong in November as own root stock in January; that deeper benches were needed; that richer soil and more feeding was necessary; that Bride and Bridesmaid grafted did better with a night temperature of 56° and with the lower temperature were firmer and of a better color; that Kaiserin and Carnot were not so liable to go to sleep in winter on grafted stock; that Perle was better upon its own roots; that Ivory and Golden Gate were much the same either way; that two-year old plants of Liberty gave better results on own roots than on grafted stock. The discussion then drifted on to "whether or not roses propagated from cuttings from year to year did not tend to deteriorate the stock." It was a hot time and nobody won. When a practical body of men tackle a scientific subject they usually get beyond their depth, but "Fools will sometimes step where angels fear to tread."

As we were hurrying along to catch the train the street car conductor asked why we looked so worried? We told him we wanted to catch train, so and so, for Philadelphia. He said: "You might as well take your time you will be there in time tomorrow." We asked how that was and he replied: "Don't you know



ROBERT SIMPSON'S GOLDEN GATE ROSES AT THE PHILADELPHIA EXHIBITION.

that in Philadelphia they are twenty-four hours behind?" "Why," he said, "a man just fell off the top of a five story building and when they asked him if he was badly hurt he said, 'Why no; I come from Philadelphia; I came down slow.'" Be that as it may, we arrived in time for the banquet and were never accorded a better time in our lives. Everyone was most anxious to show courtesy to the stranger. The city of brotherly love we certainly found it to be, and if the rush of life be slower they certainly catch more of life's pleasures, and though "they do leave poor old Billy Penn out in the cold all night and never ask him to have a drink," they are not so with the stranger within their gates.

TRAVELER.

New Haven County Horticultural Society.

The annual banquet of this time-honored society was enjoyed in due and approved form by a congenial and care-free party of nearly fifty at the New Tontine Hotel, New Haven, Conn., on Tuesday evening, March 29. After the excellent dinner had been gathered in, President William Gardner spoke briefly of the objects of the society and the benefits derived by the craft from the free interchange of ideas at its meetings and outlined the good work proposed for

the coming year, which contemplated physical as well as mental culture, in the form of an aggressive bowling club. He then introduced Robert Veitch as toastmaster, who filled his important post in an admirable manner.

The first gentleman called upon was J. F. Huss, president of the Hartford Florists' Club, who was obliged to take an early train home and had only time enough to express the fraternal good wishes of the sister organization. Wm. J. Stewart was next introduced as representing the S. A. F., the Massachusetts Horticultural Society and a few other affiliating bodies on behalf of which Mr. Stewart extended congratulations and expressed the hope that a substantial delegation from New Haven might attend one or more of the important horticultural events scheduled for the coming year in the city of crooked streets and straight goods. Ex-president J. N. Champion followed with an interesting description of a recent visit to the Pierson greenhouses and a plea for the development of home industry, interspersing a series of conundrums which he had to answer himself. The irrepressible "Charlie" Keith, whose jovial, weather-beaten frontispiece embraces in its entirety the famed Bridgeport Florists' Club, officers, staff and privates, next gave a characteristic dissertation on

neighborly qualities, the management of mules, the evils of cut-throat methods and the trials of school ma'ams, all productive of the usual crop of spasms. John H. Murray of the School of Forestry spoke in advocacy of a broader scope for the society's activities on educational lines.

Then came Mr. Ferrier who, first divesting himself of his pipe, proceeded to warble a defiant Scottish melody of several octaves' range and then turned his attention to the expounding of the rules of civilized warfare. H. A. Groby, famed for kohlrabi and Chinese cucumbers, Mr. Thrall, dahlia enthusiast, F. G. Horn, a philosopher on the violet question, Messrs. Nye and Ferguson, bowling specialists, ex-Secretary Pettit, Treasurer Kydd, and Messrs. Patton and Hawkins followed with a few words each, and John Handyside told again in melodious voice the full and impressive details of "how Paddy stole the rope."

A hearty vote of thanks to those who had contributed the lavish display of flowers and plants which adorned the room and the singing of Auld Lang Syne brought the festivities to a close just before the midnight hour.

THE CARNATION.

Preparing For New Stock.

It is now time to commence preparations for the coming season's stock, and the propagating of the slow growing varieties should be well under way. The old stools should be planted in the bench or in boxes in a place where they can receive all the light possible to guard against them throwing up weak growths for cuttings. The temperature in daytime should be kept as cool as possible without causing cold draughts, because a direct cold wind blowing on the young, tender growths will very soon cause them to mildew. Also a temperature of about 45° at night will suit them best. Some kinds are very slow in producing stock. These should be placed in a warmer house and kept a little on the dry side. The soil also can be of a much finer texture which will help to encourage them to break faster. And again any new and expensive novelty can also be given the same treatment if more stock of it is wanted. In a very short while the top can be taken out as a cutting and then the young plants will quickly begin to break out in every direction and quite a nice lot of stock can be worked up in this way.

We also practice this method for our seedlings. The seed was sown about the middle of January. In about five weeks the plants were well above the ground and as soon as large enough to handle we potted them direct into 2-inch pots and placed them on a warm, light bench. They very readily got a rapid growth on them and are now nice, thrifty stock. By April 1 we shall be able to plant them into the bench and by closely watching them we can raise six or eight nice young plants by the middle of June. Where large quantities of seedlings are raised this method would be too expensive because of occupying a large amount of bench space for plants of unknown merit. But where a few are raised it is a good way to make sure of ample stock should a seedling prove meritorious. On receiving new importations we moisten the roots with lukewarm water when they are taken from the box. The plants are then planted into a bench of light soil in

a warm house and after a little while if time will allow we take a cutting from them, otherwise they are potted up to get established by planting out time.

The principal things to be taken into consideration when propagating are, first, to see that the sand is thoroughly fresh so that there is not any possible chance for fungus. Second, they must be given a moderate temperature of about 50° to 54° and, lastly, see that the sand does not at any time get too dry. By paying attention to these details with frequent syringings the cuttings will in about twenty-one days be ready to be potted up. This must be done as soon as they are rooted because after roots are once formed they quickly make rapid growth if left in the sand and in a short while are drawn and of weak constitution. In potting up use a fresh soil without any manure. Place in a temperature of 40° to 45° at night when it can be maintained and in warm nights keep the ventilators open a little to allow the temperature being as near the mark as possible.

C. W. JOHNSON.

Care of the Young Stock.

The main batches of cuttings should about all be rooted by this time and the young plants well established in the soil. It is not too late, however, to propagate valuable and scarce varieties, for these small plants, though not always useful for blooming, may come in useful for propagating next winter. Planted quite closely together in a cool, sunny situation they will yield an abundance of good healthy cuttings, often far superior to cuttings taken from blooming plants of the same variety growing in a higher temperature. Late bloomers, such as Prosperity and Marquis, should not be propagated later than January for blooming, but early bloomers can still be rooted with the expectation of growing medium sized plants for benching. As the sun grows stronger great care is, however, necessary to insure a good strike. More shade is needed and the sand must be kept a little wetter and the cuttings will need a little more sprinkling overhead to prevent wilting than was the case a month ago. It is well to shade the glass lightly to reduce the temperature of the house and supplement this shade with a single sheet of newspaper while the sun is on the cuttings for the first three weeks in the sand. After that they should be gradually inured to

the sun, the same as would be done in midwinter.

The active growing weather in March and April will demand the strictest attention to keep the young plants in good growing shape. A good sunny exposure is the first requirement and a dry, airy environment must be secured in order to secure a stocky growth. Plants that are drawn up spindly to any degree during their infancy never make quite as well shaped plants as those that have the full benefit of every element that is conducive to a normal growth from the start. The plants' future size and the number of flowering shoots that will be ready to run up during late summer will depend greatly upon the number of eyes that break from the young plants now. There is much gained, therefore, by planting a limited number of plants in a given space under the most favorable conditions and giving each plant a chance to make use of its fullest capacity. Crowding throws the body of the plant up and away from the ground and the result is a top-heavy subject that is easily beaten about by a heavy storm. An attenuated growth also means weakened tissues and an ideal breeding ground for all kinds of disease. Three to three and a half inches apart each way, according to variety, is about right at the second transplanting for plants propagated early, while from two to two and a half inches will be right for those that need no shift after being taken from the sand. Those propagated up to the first of January we try to transplant about the first to the middle of March. This gives them a chance to become well established by the time they are removed to cold frames, about April 1. Later cuttings receive no shift after transplanting from the sand. They are also removed to cold frames about the date mentioned. As nothing is gained by putting the young plants into cold frames for the purpose of giving them a short rest previous to planting into the field, their safety should not be jeopardized by making the transfer too early, for the latter part of March is often full of inclement weather, under the influence of which the vitality of the plants is apt to be weakened. March 15 may, in latitudes below 40°, be safe to make the transfer, but above that good growing conditions can hardly be secured in cold frames so early.

While these frames are a valuable adjunct to a range of glass during the



LONGIFLORUM LILIES AT H. N. EATON'S, SOUTH SUDBURY, MASS.

crowded months of spring, their principal usefulness in the care of young carnation plants lies in another direction more than in relieving the pressure on indoor stock. The growing conditions prevailing in the open air and under the full sun on a bright day in April are just about ideal to promote a good growth on these cool loving plants and that fact alone would fully warrant the expense of erecting the frames. It does not take a very close observer to note the stimulus given the little plants by the free circulation of air and full exposure to the sun on these bright spring days when the sash can be removed altogether. If it is impossible to give the young stock the benefit of this treatment we should at least try to imitate those conditions as nearly as possible indoors. As no shade should ever be on the glass above them, the heat thus generated must be controlled by thorough ventilation and wetting down the walks and walls during the hot part of the day. Care must be taken, however, to keep the air and the foliage dry over night. On hot days syringing the plants lightly once or twice will do no harm and the spray should be applied with sufficient force about twice a week to keep red spiders in check. A good fumigating with strong tobacco stems or dust once a week will keep down greenfly. Keep stirring the surface of the soil with a sharp stick to keep it open and allow no weeds to get any headway.

J.

Heating Carnation Houses.

ED. AM. FLORIST:—I have three violet houses 12x176 feet, 12 feet high from path to the ridge, and heat them with a No. 15 Lord & Burnham hot water boiler, getting 45° inside in zero weather. I want to take the sash off two violet houses and make carnation houses 12x176, ten feet high from path to ridge. Can I get 50° at zero weather in the carnation houses, with two returns and two flows of 4-inch pipe and still heat the remaining violet house with the same boiler?

F. B. A.

The difference in the heat required for three violet houses and two carnation and one violet house will be but slight, and if the boiler as it has been used shows a little surplus capacity, as is probably the case, there should be no difficulty about its doing the work after the change proposed is made. The four 4-inch pipes should give the temperature desired, if the houses are well built and have no glass except in the roof.

L. R. TAFT.

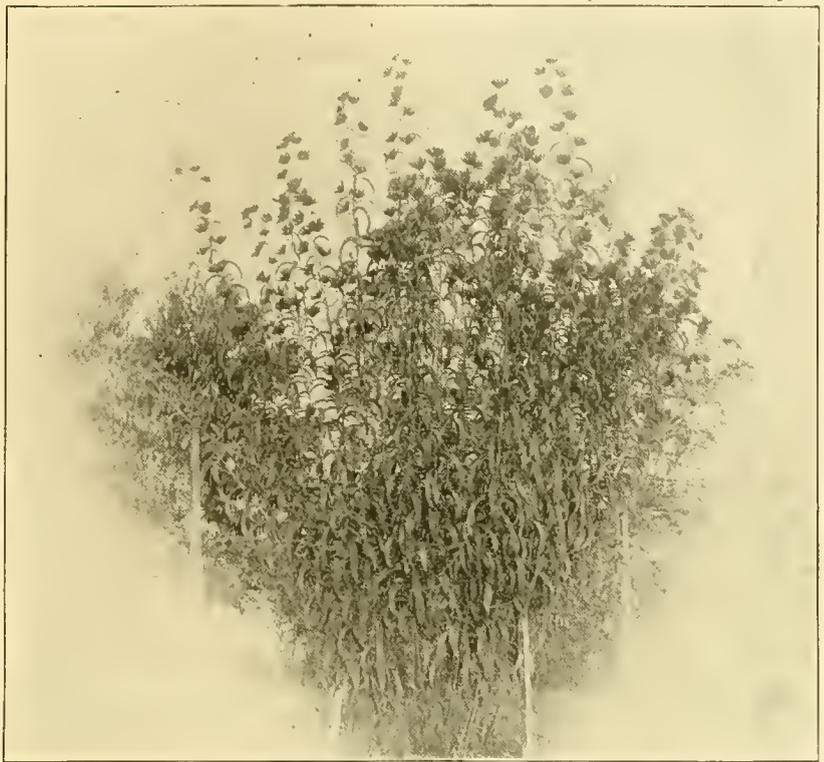
To Heat Dwelling and Greenhouse.

ED. AM. FLORIST:—Could a small dwelling and a small greenhouse be heated satisfactorily with hot water with the same boiler, pipe from one side of the boiler in the cellar of the house running upstairs and connecting with radiators in the house, and pipe from the other side of the boiler running up and through the greenhouse? Also, would one smoke-stack answer for two furnaces and give good draft in both?

L.

If the boiler is sufficiently large there will be no difficulty about heating the dwelling and greenhouse. In case any of the radiators in the house are very much higher than the coils in the greenhouse, the size of the feed pipes should be reduced, otherwise the greenhouse coils may not get a full share. One chimney can be used for two boilers, but it should be fully twice as large as will be required by one boiler.

L. R. TAFT.



HELENIUM AUTUMNALE.

Houses With South Exposure.

ED. AM. FLORIST:—Would it be all right to build greenhouses facing southeast? To build them along the road; which is our line, will give them this exposure. Would it be better to build without regard to this road as the land is not of great value? We intend to grow carnations in these houses. READER.

While it would be better to have the houses face the south, or at best be but a few degrees from east and west, the difference if it faces southeast will be but slight, and if the location makes that position desirable it can be used with good results if the walls are of the same height and especially if there is glass in the north side.

L. R. TAFT.

How to Force Lillium Harrisii.

ED. AM. FLORIST:—Why is it that Lillium Harrisii will not force for early blooming? My Japanese longiflorums planted in October are as large as the Harrisii planted early. Some years ago I used to grow Harrisii and had them in bloom the end of November with ordinary greenhouse temperature, but now they will not move with 65° at night. Can any of your readers give an explanation?

J. B.

"J. B." must have got some spurious Harrisii. The genuine stock can be depended upon to force as readily as it ever did. It is generally known that much of the stock planted in Bermuda of late has been badly mixed up.

S. W.

Gardenias From September to March.

ED. AM. FLORIST:—Please give the correct treatment to give gardenias in order to have them in flower from September to March. Please state best temperature, soil, etc.

B. L. M.

To grow gardenias for winter bloom-

ing, take young plants from 3-inch pots and plant them in a greenhouse, about the first of May, about twelve inches apart, in a good, rich soil, the same as you would use for roses, with good drainage. Grow them during summer as rapidly as you can until about the first of September, then reduce the temperature to as near 60° as possible, and give them less water than during summer growth. Keep the temperature from this time at 60° at night and about 65° in day time. If you allow the temperature to go much above 65° the plants will cast their buds.

WM. K. HARRIS.

Helinium Autumnale.

The accompanying illustration shows a very fine clump of Helinium autumnale, commonly known as the fall sunflower. This plant is rapidly coming into favor because of its rich foliage, profuse flowering and easy cultivation. This particular clump has a rather interesting history. The year before last a plant with a single stem was planted in the yard of Edward M. Nye, a Pomeroy, O., banker. It grew about eight feet in height, and the seeds, ripening, fell to the ground. Last spring a great cluster of them came up and this photograph shows the result. The deep contrast between the dark green leaves and profuse yellow flowers is most pleasing. The plants are about eight feet high and fit companions to the asters and goldenrods, which thrive wonderfully in Southern Ohio. This photograph was made in October when these thrifty plants show to best advantage.

C. A. HARTLEY.

ELKHART, IND.—F. L. Tornquist, whose greenhouses are located on Garfield avenue, will remove to Benton Harbor, Mich., this week.



THE company which supplies most of the canned asparagus for Chicago received word March 28 that California floods have cut short the crops at the principal producing points.

THE Worcester County (Mass.) market gardeners to the number of thirty-seven visited a number of the cucumber growers at Leominster on March 19, under guidance of E. M. Bruce. Among the places visited were the greenhouses of E. M. Bruce, D. E. Wheeler, M. D. Haws, Frank Pierce, Geo. M. Kendall and S. A. Esten. They were entertained at Music Hall, where the wives of the growers had prepared a bountiful repast. The number of winter cucumber growers in Leominster is twenty-eight, the most extensive establishment being that of Geo. M. Kendall. All make a practice of sterilizing the soil by forcing steam through it, and bees are used generally for the purpose of fertilization. Sterilization costs from \$150 to \$200 per acre per year. The sterilized soil is used to a depth of twelve to fourteen inches.

A Cucumber Forcing House.

At the establishment of Davis Brothers, Morrison, Ill., three houses, each 30x300 feet, are devoted to cucumber forcing. The accompanying illustration shows one of these which was planted December 15 of last year. The photograph was taken March 2. The houses are all new and thoroughly up-to-date and fitted with the Chadbourn automatic ventilating machine, which is giving good satisfaction. The gutters are seven feet from the ground with four feet of glass in the side walls. The benches are made of ordinary drain tile laid on the ground with 10-inch planks for sides. The soil is an ordinary turfy sod with one-fourth rotted manure thoroughly mixed. The plants were set into the benches about December 1. Davis Brothers are growing the Arlington White Spine with great success, also some of the long green varieties. The Davis establishment at Morrison covers 55,000 feet of glass and that at Geneva, Ill., 15,000 feet. The latter is almost exclusively devoted to Boston ferns, the soil being especially adapted to growing these of unusual good quality.

CANTON, O.—The Brown Floral Company has been incorporated here with a capital of \$25,000. The incorporators are Charles Brown, Florence Brown, Conrad Charleson, Lena Charleson and C. C. Bowe.



CUCUMBERS AT THE ESTABLISHMENT OF DAVIS BROS., MORRISON, ILL.

Chicago.

After everyone has time to get his breath and do a little figuring it will be found that this Easter's business will equal if not eclipse that of last year. This will be particularly true in the shipping line, which has been taxed to its fullest capacity by orders both early and late. There was a slight lull Tuesday, the calls for flowers not keeping pace with the receipts, which increased at an alarming rate upon the opening of bright and warm weather. The growers who had already commenced the pickling process were compelled to release their holdings. The usual strenuous Easter shipping period opened with vim and vigor Wednesday, when distant orders were filled and stock put in readiness for the rush of the succeeding days. The best grade of stock was early cleaned up, the demand for this making it difficult for the dealers to get enough together to satisfy their customers. Except possibly roses there was enough of everything for all purposes, but the quality was of an indifferent, and much of it, of a poor grade. American Beauty are the scarcest item, as are all reds. White and pink, however, met the demands which were very heavy. Lilies, about which there has been so much pre-Easter speculation did not turn out to be as short as some had forecasted. Much poor stock was left standing around after the best grades were cleaned up. Bulbous stock moved well toward the end of the week and it was a good opportunity to move some of this which had been hanging fire for so long a time.

At the meeting of the Horticultural Society of Chicago, held at the Auditorium Annex, March 29, the executive committee was authorized in its discretion to hold a flower show next fall and to co-operate with the Florists' Club and the American Carnation Society in the exhibition of the latter to be held in this city next January. The election of officers was deferred until the next quarterly meeting, which will be held this month.

High water wrought great damage to the greenhouses on the north side, particularly in Evanston the early part of the week. The fire under the boilers of the greenhouses of John Weiland, 1516 Greenwood boulevard were put out by the rising water. To make matters worse the pumps refused to work and the fire department with engine and hose was summoned. After much work the place was pumped out.

Carl Niemann, president of the Florists' and Gardeners' Union, will go into the growing business about May 1. He will build several houses at Norwood Park, where he is now erecting a residence. He will grow cut flowers for the trade.

Friedman has his Michigan avenue store beautifully decorated for Easter. One window displays many remarkable heathers. The other is banked with cut flowers and decorative plants.

Frank Garland is preparing to move to the second floor of the Atlas block about May 1. The store now occupied by him will be occupied by a wholesale drug house.

The date of the next regular meeting of the Florists' Club is April 6 and it is expected important matters concerning coming exhibitions will be discussed.

The George Wittbold Company has opened a branch retail store at 88 State street. The stock for Easter is particularly well grown and attractive.

Wieter Brothers have a house of Kaiserin roses in splendid shape for Easter.

Their houses of La France came a little too late for the Easter trade.

The sympathy of the trade goes out to Mrs. Horton of Bassett & Washburn's office in the loss of her mother who died last week.

The A. L. Randall Company has the lead over their competitors with a fine line of white lilac grown by Emil Buettner.

John Mangel made his store attractive for the Easter holiday. He contemplates a sojourn in Greece this summer.

J. C. Rinneson, of Sioux City, Ia., spent part of the week in this city, stocking up for a brisk Easter trade at home.

Easter chickens are being sold by Chas. McKellar who reports a surprising demand for them.

The business of the late Walter Kreitling has been taken over by his sister, Mrs. Kochmann.

Johnson & Swan's store has been sold to Joseph Curran, who took possession this week.

Anton Kill, father of Leonard Kill, is quite seriously ill at his home in Bowmanville.

C. L. Coatsworth made a flying trip to St. Louis last Saturday.

New York.

With Easter three days distant, there is no evidence of any special sensation in either the supply or demand in the cut flower line. Some profess to believe that an apparent shortage justifies stiff figures on lilies and the same sentiment is responsible for a considerable activity in the calla market, many shrewd buyers taking up for storage all the callas they can secure at good prices. Business is anything but brisk otherwise. Roses feel the influence of the warm weather handed out this week and are abundant, selling hardly as well as do the carnations. Much of the stock of the latter gives evidence of having been held back and will be a dead loss, no matter how well the fresh goods may be sold. Violets are still on the downward course as to quality.

A young man over in Hudson City has been creating a mild sensation by claiming to be able to embalm roses so that they will remain fresh indefinitely. He'd better stay away from Twenty-eighth street.

Traendly & Schenck have placards on their walls announcing that "This is our busy week. Don't butt in. Our time is valuable. Catch on?"

There was a slight fire in some moss in the basement of Fleischman's store on March 23, the dense smoke doing considerable damage.

Longiflorum lilies in 5-inch pots are selling at from 10 to 12 cents per flower, wholesale. The supply is good and the demand fair.

Plans for a splendid pergola and Italian pavilion to be built in Dewitt Clinton park have been submitted. They will cost \$50,000.

A heavy cargo of Bermuda lily flowers, destined for various inland points, arrived on the steamer Trinidad, March 21.

Siebrecht & Son's corner store shows the sign conspicuously, "Cut Flowers Delivered to all Parts of the World."

Recent visitors were J. H. Rebstock, Buffalo, and J. C. Vaughan, Chicago.

Friday—A heavy driving rain all day to-day, two days before Easter, caused a loss of many thousands of dollars to the trade in sales of plants and cut flowers.

Philadelphia.

There were several exhibits at last week's exhibition which we did not mention but which were especially worthy. The vase of La Detroit roses grown by the Asmus greenhouses improved wonderfully the second day but it was not at its best until Thursday when it was as large as any of the American Beauties beside it. It attracted a great deal of attention. Robert Simpson's vase of Golden Gate was gilt edged. We have never seen them so fine before. John E. Haines staged some seedling carnations of his own equal to the best of the new ones. A large red and also a fine pink certainly ranked first class and a vase of yellow, the nearest approach to and in fact a better color than Buttercup. It is also a large flower with a good stem.

The price of the lilies is 10 and 12 cents to the store trade, but the department stores are able to get them from 8 to 9 cents and sell for 12 cents per flower. The retail store price is 25 cents and it is hard to convince some people they are not getting robbed as compared with the advertised price of the department stores. The price of the cut flowers is the same as in the pots. Prices of carnations are soaring and will range from \$4 to \$10.

Robert Craig says that many men force their plants with too much heat; 65° is better than 80°. They come along faster at the lower temperature and have much more substance. George Anderson, a successful grower, says the same thing, as in speaking of a lot under discussion, he said they would come nicely if they did not cook them.

The growers appear to be well pleased with the extent of the trade and all the choice stock is sold and even the good average is getting scarce. It is thought they will sell out with possibly the exception of some lilies which will not make it, although the way they have come along the last week is wonderful.

At this writing, March 28, the streets are fast taking on an Easter coloring from the fact that almost every vacant store on a prominent thoroughfare has been for the time being turned into a flower shop.

H. H. Battles has his storehouse on Walnut street above Twelfth street and nearly all the larger retailers have taken additional space where it was available.

Wm. P. Craig has the corner of Tenth and Chestnut streets and Charles Fox, of Broad & Sansom streets, has a large store in the Ninth Arcade.

W. C. Smith has a large store at Eighth and Chestnut streets and another on Ninth street above Chestnut.

George Faulkner opened an annex on the corner of Fifteenth and Chestnut streets. K.

Boston.

Easter week starts out with a trace of special activity well-developed in the lily market. One large dealer is authority for the statement that more lilies have been sold a week ahead than during the entire Easter season in any recent year. It is gratifying to note that the quality is generally good. In other lines considerable stored stock was in evidence on Monday. This was probably due, in part, to the influence of the few warm days, and possibly another reason is that the growers are getting wise in regard to the futility of heavy shipments at the last moment. All are anticipating a good Easter business.

Considerable comment is made on the plan of Gov. Bates for the establishment

of a state department of agricultural. The prevailing sentiment seems to be that the old method of a board of agriculture has outlived its usefulness and that the governor is right.

Welch Brothers have a fine line of lilies for the trade of Easter week, marketing the stock of H. N. Eaton, South Sudbury, Mass., (house illustrated in this issue) with that of other well-known growers.

L. H. Foster has been quite ill but is now rapidly convalescing and expects to be about soon as well as ever.

Mrs. Bock, widow of the late Wm. A. Bock, died at North Cambridge, March 21.

Among the visitors the last week were H. Hurrell, Summit, N. J.; Thos. Knight, representing Julius Roehrs, Rutherford, N. J.; L. Dupuy, Whitestone, N. Y.; F. R. Pierson and J. R. Fotheringham, Tarrytown, N. Y.

Baltimore.

The week preceding Easter, notoriously the dullest of the season, did not change its reputation this year. Social entertainments are practically suspended, and few demands exist except for occasions of mourning and solemnity. The usual shrinkage of shipments is also visible, but this is to be expected, and as soon as Easter prices prevail the deficiency will be more than made up. Last week the supply of roses was excessive and toward its close they could be moved off only by liberal concessions in selling figures. The same may be said of bulbous stuff, which is over-abundant. Carnations are not as plentiful as generally about this date, and they move fairly well, especially whites. Violets are dull, though the fashion amongst the women of wearing great corsage bunches is revived. The weather conditions have been wholly unsuited to out-door selling, and on few occasions have the market men been able to display their flowers. To-day they appeared in some force, but until towards noon it was a chilling performance. The peripatetic vendors, or fakirs, too, have had few opportunities to get rid of their goods, and many well-known figures are missing.

Notwithstanding apprehensions to the contrary, which prevailed for sometime, there will be scarcity of eastern flowers. Lilies are showing themselves in great quantities and fine quality. John Cook hardly looks for such a phenomenal Easter as last year, but he has an abundant supply of lilies, bulbs, genistas, hydrangeas, etc. Halliday Brothers have scarcely as many lilies as in former years, but they are of high class. Robert L. Graham has an immense stock of tulips, hyacinths and lilies. Edward Kress has his houses full of lilacs, rhododendrons, lilies, bulbs, etc., and more orders booked than ever before. William J. Halliday reports a fine stock of genistas, azaleas, etc., and Harrisii lilies to burn, all in the pink of perfection.

There seems to be hardly as many Ramblers on the market as heretofore, and the glories of the bougainvillea as an Easter plant appear to have departed. There is a great abundance of hydrangeas, and with something to suit every taste and every purse, both in plants and cut flowers, all that is wanted is a few fair days; that the sun's inspiring rays will stir up the love of plants and flowers which seems implanted deeply in every human heart, and which at this season always shows outward manifestations.

Though it was predicted, and with every apparent soundness of reason, that

the result of the great fire would be to cripple the flower and plant trade, there has been no such general decline as was feared, and the Florists' Exchange increased its business more than ten per cent in February over the same month of last year. Its sales are limited almost entirely to local dealers, though it ships some material to outside points.

Winter still lingers, the mercury this morning (March 29) marking 18°, exceptionally cold for the season, and we have had light snows, cold rains and leaden skies for several days. Yet trees and grass begin to show signs of returning life, but there is much in the way of vegetation which this winter has received a quietus, and every park and lawn shows the fatal touch of Jack Frosts' fingers. S. B.

Washington, D. C.

The rush of preparation for Easter is now fairly on. Several of the retail stores have good decorations already arranged; while in others there is a hurry-scurrying to get everything in shape. The growers who have been placed at a disadvantage by almost continuous cloudy weather for the past two weeks, will show up well, considering the unfavorable conditions. There will doubtless be a great demand for lilies, and indications are that 25 cents per bud and flower will be the prevailing price. Many of the Japanese lilies are being brought in with six to twelve in a pan, the size of the latter ranging from eight to sixteen inches. There will be a good display of Roman hyacinths, narcissi and tulips in pans and jardiniers, as there is good demand for such stock in this market. Crimson Rambler roses, hydrangeas, spiræas and azaleas are expected to sell well. The weather will make a difference. If it is fair and mild we expect a record-breaking business.

J. Louis Loose has a fine lot of lilies and Roman hyacinths grown at his Alexandria greenhouses, and his decorator, Fred Wolfe, has a window decoration that is strictly first-class. Fred is quite an artist, and in this instance has the advantage of having a lot of good material to choose from.

A. Gude & Brother are pretty well stocked with all that goes to make an Easter display; in addition to flowering plants they have a large stock of the adiantums that are excellent.

Otto Bauer has a novel decoration in his show window, a mammoth egg-shell from which the chickens—I guess they are chickens—are just emerging. It is all very "cute" and interesting.

Harry Robey, salesman for Alex. B. Garden, is now a very busy man, and keeps his assistants on the jump. He does, however, let them rest on Sunday.

John Robertson has a fine stock of lilies, hydrangeas, Crimson Ramblers and azaleas, and is selling them at good prices.

Alex. B. Garden is doing a rushing wholesale business in lilies, spiræas, hydrangeas and azaleas.

Mayberry & Hoover have a fine Easter stock and their store has an attractive appearance. S. E.

CHESTER, PA.—Edward M. and Margaret M. Delahunt have been awarded \$15,000 in the suit for damages brought against the United Telegraph and Telephone Company for the death in April, 1902, of their father, Thos. F. Delahunt, who was fatally shocked at the telephone during a heavy sleet storm.

Cleveland.

One of the best conducted establishments in the city is that of Herman A. Hart, where everything is conducted on strictly up-to-date lines. It is always a pleasure to visit this place, and more especially at this season of the year, when everything denotes preparation for the Easter sales. The writer dropped in the other day to have a look at things and saw a collection of Easter plants which in general excellence would be hard to beat anywhere. His lilies, of which he has thousands, are a grand lot. Just the right size and foliage clean down to the pot. A whole house of hydrangeas were in prime shape, ranging in size from 5-inch to 10-inch pots and all beautifully flowered. Another house of the same plant was retarded for later sales. Quite a large number are kept for Decoration day, when they are in good demand. His azaleas and bulbous stock are up to the usual standard of excellence. His carnations this year are extra good, particularly Lawson and Joost. Mr. Hart considers the latter variety one of the best paying carnations he grows. It is certainly good here, measuring fully three inches across. One would hardly recognize it from some of the poor things of the same variety seen occasionally. I must not forget to mention a house of Crimson Ramblers for Easter which are splendid plants and in the right condition for selling. One house is devoted to roses and more will be planted in the new range he contemplates building this spring. Taken altogether, this is a model place and well worth a visit. The visitor always receives a hearty welcome, and something else, from the genial proprietor.

The stock of carnations at the Andrews Brothers' place is rapidly recovering from the freeze-out they received last January, occasioned by the bursting of their boiler. It was a very serious accident, coming as it did when the severe weather was at its worst. The boiler is a sectional cast iron one and this makes the second section to give out, as a similar accident occurred last winter. This does not speak well for sectional boilers, as the sections in each case were new.

The weather conditions this week so far are very satisfactory with plenty of bright sunshine. From present market indications business promises to be good; roses will be in good supply, carnations not over plentiful; violets fair, quality good, especially single ones.

Frank Andrews and wife left on March 23 for a three months' visit in England. Mr. Andrews has been in rather poor health and it is hoped the change will do him good.

The Florists' Club held its regular meeting Monday night. Nothing of importance was transacted. F. W. O. Schmitz, of Prince Bay, N. Y., was a guest.

ECHO.

Buffalo.

M. Bloy, who purchased the greenhouses of Wm. Legg, sold them a few days afterward to Scott Brothers who will use them as an annex. Mr. Bloy has several other places in view but is not decided what he will do.

A visit to J. H. Rebstock's, Elmwood avenue, shows his greenhouse at its best. On entering you see lilies, azaleas, lilacs, Rambler and other roses, genistas and cinerarias, the whole being in good shape and making a fine show.

S. A. Anderson was visited at his Linwood avenue place where a large and fine

assortment of all the above was on sale. L. H. Newbeck, at his new place, had equally as fine a stock, which, with the newness of his place, made a pleasing display to the prospective buyer.

Scott Brothers have divided their immense stock and have a branch store in Walbridge's large department store where their display of everything is arranged effectively in one whole window.

The untimely death of George Fancourt who was looked upon as one of our standby visitors was a sad blow to his many Buffalo friends, who all extend their sympathy to Mrs. Fancourt.

Everything is looking very good and with the sunshine as it was Monday and Tuesday a great many more lilies will be out than was at first expected.

Palmer & Son at their two stores have beautiful windows, the predominating decorations being bells of white trimmed with lavender.

With a good warm Friday and Saturday and the stock as good as it looked Sunday we will have a grand trade in Buffalo.

S. A. Anderson has a fine window of daffodils and genistas, the bright yellow being very attractive.

Harry Bunyard called on his way east. BISON

Syracuse, N. Y.

The last week was encouraging for growers, being warmer and with more sunshine, enabling them to ventilate freely and harden stock which has been very soft on account of the prolonged cold and cloudy weather; but again the cold wave is upon us with its accompaniment of snow. Roses and carnations are behind the average both in quantity and quality and many growers will be behind with Easter lilies and will have to buy from more favored localities.

At the establishment of L. E. Marquisee nearly the entire plant is devoted to the stock of the newscarlet Flamingo, which is being sent out to the trade this year. There has been difficulty in filling orders on time owing to the dark weather. The growth has been soft although large and heavy and waiting has not materially helped, for the growth simply lengthened instead of obtaining the requisite firmness. Albatross, though wonderfully productive of high grade flowers, despite the weather, has been shy of cuttings. They were housed rather late, which accounts in some measure for the shortage.

The new plant of P. R. Quinlan & Company at Onondaga Valley is looking well considering the late planting and untoward winter. The entire range is devoted to carnations. Lawson has done fairly well but is coming short-stemmed. Marquis has better stems, while Fair Maid is showing up very well now. Lillian Pond is late.

Louis A. Guillaume, also in the Valley, has a wonderful showing of Lawson cropped for Easter, and although the quality is not what it would have been but for the cold and dark days it is a fine sight. But for free and continuous blooming, maturing quickly as any of the common varieties, Enchantress holds the palm in this establishment and doubtless will be grown in larger quantity another year.

Henry Morris has a very showy window of Azalea mollis but in most of the stores Easter stock is not as yet much in evidence. It is reported that Mr. Morris

will settle with his creditors at 15 cents on the dollar.

Prices for Easter stock will range about the same as for the last two years with the possible exception of lilies.

G. Bartholme has carnations and roses looking very well and his entire place is a credit to his efforts.

J. B. B.

Newport, R. I.

The prospect for a good Easter trade seems very dubious, and a trip among our florists has confirmed this opinion. Of course it may come warm for April 3, but that will not give us the stock to sell. The fact is that the winter has been so long and severe here that good plants are not plentiful, and there is an extreme shortage of lilies. Lilies did not make the usual amount of good roots early, owing to the fact that the weather came very cold and froze them solid, almost as soon as they were potted and put outdoors. Lilacs and rhododendrons look about the best of anything, and there are many fine plants of these offered. Azaleas in the best varieties are in good supply, and these will be retailed for \$1.50 to \$2 each for the 12 to 14-inch sizes. Bulb stock is also good and plentiful. The crop of lilies, on the average, is fully two weeks late, and at this writing the florists feel that they will be obliged to supply themselves almost entirely from out of town. They are asking 25 cents for each bud and blossom.

The annual meeting of the Island Cemetery Corporation was held this week. The trustees strongly recommended that owners make arrangements for the perpetual care of the family burial plot. Several lot owners have done this during the past year and it is hoped the custom will become universal.

William B. Scott, who for twenty-five years has been associated with the Geo. A. Weaver Company, will soon open a seed and hardware store here under the firm name of William B. Scott & Co. The store will be situated at 8 and 10 Broadway. With Mr. Scott will be two of his brothers.

Alfred G. Vanderbilt has purchased forty-five acres of land from the heirs of the late Charles C. Slocum. This land adjoins Mr. Vanderbilt's estate known as "Oakland." It is supposed that extensive improvements to his already splendid place will be made.

Robert McLeod, head-gardener for Reginald C. Vanderbilt at Sandy Point Farm, was fatally injured in trying to stop a runaway horse and died last Thursday. Mr. McLeod was a Scotchman by birth and 56 years of age. He leaves a widow.

Stewart Ritchie has some nice plants for Easter—lilacs, deutzias, rhododendrons, valley and other bulb stock. He also has some good geraniums and heliotrope in bloom.

Among the visitors here the last week were Arthur Zirkmann, representing Sigmund Geller, New York; E. Schoepke, for W. A. Manda, Short Hills, N. J.; Henry Kallen, for August Rhotert, New York. X.

Toronto, Ont.

This has been another busy week for the florists. The weather is favorable and Easter stock of all kinds plentiful. Roses have picked up wonderfully. Those now cut are of the very best grade. There is a shortage of poorer stock. American Beauty is more plentiful. Ivory and

Golden Gate are fine. Carnations are numerous and of excellent quality. Blooming plants were never more abundant nor in better shape. Rhododendrons, lilacs and azaleas are so numerous that even at Easter there is a great slaughtering of prices. Easter lilies, which about ten days ago looked over plentiful and were sold in large quantities as low as \$6 per 100, now look scarce, as many of the blooms were too early to hold back, while others have all the substance forced out of them. Good blooms have again advanced to \$12 per 100.

William Fendley, of Brampton, was a visitor, and in a short time had orders for 30,000 violets. His stock is in the very best condition, and even this late in the season his violets are as good as they were in midwinter. He is contemplating building four new houses, each 21x200, all of which will be planted with violets the coming season.

There will be a chrysanthemum show here in November of this year, which it is expected will eclipse anything of the kind ever before attempted in Canada. Four societies will co-operate and it is expected a grant will be given by the government to help defray expenses.

W. F. Kasting, of Buffalo, was a visitor here, and it is rumored he relieved this market of 7,000 Harrisii and 150 azaleas. A few more buyers of this kind will make some of our soft-hearted growers sorry they parted with their stock at cut rate figures.

J. D. Doyle, of Woodstock, was also a visitor and purchased Easter stock.

H. G. D.

Albany, N. Y.

W. C. King put out a handsome new wagon early in the week. The vehicle is olive green in color and is fitted with rubber tires, glass sides and a storage battery which supplies current for two side lamps and two or three incandescent bulbs in the interior. It was built by a local firm of wagon makers.

Easter is the dominant thought in the minds of all this week. The dealers have made great preparations for a large trade and the stores are lavishly decorated with azaleas, poinsettias and other flowering plants.

F. A. Danker will start to rebuild his greenhouses that were damaged by fire about two months ago soon after Easter is over. Lord & Burnham will supply the material.

Miss A. Hansen, daughter of Henry Hansen, of Catskill, is at Eyres, employed to help out during Easter week.

Henry Hansen is preparing to add two large carnation houses to his establishment this spring.

R. D.

Lowell, Mass.

This week finds everyone hustling getting things into proper shape for Easter. Everyone seems to be happy and is making vast preparations, anticipating a big business. This year as never before the storemen have fixed up their establishments in proper shape for the occasion, and have put in a large stock of flowering plants. Lilies, of course, will predominate, and the stock that is being offered for sale is excellent in quality. The plants in most cases are well grown, carrying four to eight blooms on good stiff stalks and standing alone without that unsightly stake that comes sometimes on the drawn-up stock. One pleasant feature about them this year is that they are not so tall as in former

year's which makes them a great deal easier to handle. This Easter finds the storemen all alone in the field; in past years the department stores took hold of thousands of lilies at Easter and sold them at low figures. This year, with a clear field and good stock, the prevalent price will be 25 cents per flower, and everything will be counted. The supply of other flowering plants such as azaleas, hydrangeas, Crimson Ramblers and bulbous stock is in good supply; the azaleas being offered for sale are particularly fine this year. The cutflower supply promises to be good unless something unforeseen happens. The weather man of late has been good to us, giving us plenty of sun, which has had the desired effect by bringing in some of the doubtful stock ready for Easter. A. M.

New Orleans.

We have seldom experienced in New Orleans the weather we had last week. A deluge of water and hail prevented the meeting of the Horticultural Society. Some damage was done to the flowers and also to some greenhouses. F. Faessel was the worst treated, losing quite an amount of glass. E. Valdejo, Ahele Brothers and U. Virgin had only a few broken ones.

M. Cook & Son will have a fine lot of hydrangeas. They have a house of perfect plants in 8-inch pots, well advanced and which will be in perfect shape for that time.

Plants sell quite rapidly now, prices being about the same as last season. Easter will find the market well supplied with good white stock. M. M. L.

Wilkesbarre, Pa.

For a consideration of \$20,000, Ira G. Marvin has purchased the Fancourt gardens and greenhouses located in Kingston township. The deal was made owing to the fact that George E. Fancourt, the former owner, was, before his death, about to move with his family to Spokane, Washington, and his purchaser wishes to take his stock from his greenhouses that have been damaged by the flood. This is compulsory if Mr. Marvin wishes to retain his trade for, 140,000 feet of glass, besides choice flowers and plants, were ruined by the water that submerged his Firwood place.

Lenox, Mass.

The Lenox Horticultural Society has issued announcements and premium lists for its exhibitions to be held during the year. The fall exhibition will be held in the town hall, September 9. Fruit, vegetables, cut flowers and plants will be shown. The date for the chrysanthemum exhibition and the rose and strawberry exhibition will be announced later.

Louisville, Ky.

H. Kleinstarink will build three new greenhouses this summer, each 20x150 feet. They will be equipped with iron gutters.

E. J. Marrett died March 25 of pneumonia. He was engaged in the florist business here many years. H. G. W.

Greenhouse Building.

PROVIDENCE, R. I. — Thomas Curley, two houses. Edward D. Clark, one house.

WATERFORD, CONN. — W. E. Kenyon, carnation house.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

This is the time to add some of that
coal bill to the price of plants.

A GEM from the New York dailies:
"You cannot water violets with oil and
expect them to live."

AMONG the rose exhibits at Philadel-
phia last week, one that attracted more
than a little attention and admiration,
was John Cook's seedling, No. 115, a
cross between A. Revoir and A. Furon. It
is a finely formed, large, full flower of a
dazzling whiteness rarely seen in roses.

In photographing your pet novelty or
seedling always remember that you add
nothing to its value in the eyes of others
by sticking a big prize card up against it
but that you do evince very bad taste as
would a man who should decorate him-
self with trinkets when "getting his pic-
ter took."

Lilium Harrisii Late in Forcing.

ED. AM. FLORIST:—I find my Lilium
Harrisii plants, while not diseased, are
growing quite irregularly, some being
early enough for Easter while quite a
percentage are inclined to straggle and
will come in later. All are well budded
and the plants look healthy. Have you
heard of any other complaints of this
kind and has the hard winter and dark
weather had anything to do with the
delayed flowering of these lily plants?
Would like to hear from others through
your columns. C. M.

Chrysanthemum Society of America.

The premium list of special prizes for
the exhibition of the Chrysanthemum
Society of America, in connection with
the Massachusetts Horticultural Society,
Boston, Mass., is not yet completed but
the following prizes have been offered:

By W. Wells & Co., Redhill, Surrey,
Eng., gold, silver-gilt, and silver medals,
three prizes for six blooms of any of the
Wells-Pockett set of 1903, not less than
two varieties to be shown. The list of
eligible varieties, as approved by Mr.
Wells is as follows: W. Duckham, May-
nell, S. T. Wright, Harrison Dick, Leila
Filkins, F. A. Cobbold, Donald McLeod,
Mrs. T. Longley, Mrs. R. Hunt, Mary
Inglis, Hester Edwards, Pantia Ralli,
Cheltoni.

By the E. G. Hill Co., Richmond, Ind.,
a silver vase to be known as "The E. G.
Hill Trophy," value \$25, open to private
gardeners only; twenty blooms in twenty
varieties, one bloom to a vase.

By Chas. H. Totty, of Madison, N. J.,

\$25, \$15, and \$10 for a vase of twelve
blooms of Chrysanthemum Wm. Duck-
ham.

By A. Herrington, Madison, N. J., \$6,
and \$4 for vase of six blooms, any chrys-
anthemum. The C. S. A. Cup will be
offered as in previous years. In addition
to this the C. S. A. offers three prizes of
\$25, \$15, and \$10 for 24 blooms, in 24
varieties, on 15-inch stems, open to all.

Many other special prizes will be given.
It is expected that the horticultural soci-
eties of Massachusetts will co-operate
with the C. S. A. and the Massachusetts
Horticultural Society on the plan which
was so successfully carried out in New
York last year.

Further announcements will be made
next week. FRED. H. LEMON, Sec'y.

SEABROOK, MASS.—George Everett
Felch has purchased the greenhouse of
Alvah A. Eaton and has moved it to a
location near his residence where he will
go into the growing business.

OBITUARY.

Charles Eschenbach.

Charles Eschenbach, the oldest florist
in Lancaster, Pa., died March 21 from
injuries due to a fall. He was aged 80
years.

Harry Geisendorff.

The death occurred recently of Lieut.
Harry Geisendorff, of Company H.,
Twentieth Indiana Infantry, at the
Frost Hospital, Chelsea, Mass., of which
institution he has been an inmate since
August, 1902. After the war, in which
he served with distinction, he was engaged
in the flower business for a number of
years. He was born in Cincinnati, O.,
and was 60 years of age.

Prof. Schumann.

Prof. Carl Schumann, curator of the
Royal Botanical Museum, Berlin, Ger-
many, is dead. With the exception of
the aged Sir Joseph Dalton Hooker, no
one probably had so comprehensive
knowledge of flowering plants as had he.
Prof. Schumann made large contribu-
tions to the "Flora Brasiliensis," edited
by Eichler, had worked up the Kaiser
Wilhelm's land, and had studied deeply
in tropical Africa. He was not yet 50
years of age.

George E. Fancourt.

George E. Fancourt died Sunday,
March 26, at his home in Wilkesbarre,
Pa., as the result of a shot from his own
hand while laboring under a fit of tem-
porary insanity. The deceased was very
popular with all who knew him and was
of a very bright and cheerful disposition,
and his sudden taking off is a great shock
to his friends and business acquaintances.
He was born in Surrey, England, in 1858,
and after a long apprenticeship with his
father, who was a skilled gardener and
whose father before him had held impor-
tant trusts on the best estates in England,
he came to this country in 1879 and set-
tled at Dorrance, Pa. Here he was
foreman for Benjamin Dorrance. Later he
started in business for himself and was
very successful, shipping most of his
stock to the New York market. About
a week ago he sold out his establishment
preparatory to moving to Spokane,
Washington, where he expected to reside.
He leaves a wife and four children.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 is entitled to a five-line WANT
ADV. (situations only) free, to be used at any
time during the year.

Situation Wanted—As foreman; good plants-
man; roses, carnations; American Beauty roses
a specialty. W. care J. N. MAY,
Summit, N. J.

Situation Wanted—As head gardener or fore-
man. German, married, age 31. Best reference.
J. KRAMER, Box 257, Poughkeepsie, N. Y.
Dutchess Co.

Situation Wanted—By an all-around florist and
gardener; best of reference, age 50; single.
F. F. GARDENER, 102 Anna House,
North Clark St., Chicago.

Situation Wanted—Management of retail floral
store or position as head designer; A1 references;
middle west. Address
B L, 504 Fisher st., Peoria, Ill.

Situation Wanted—By May 1, as rose grower on
place where first class roses are wanted. Ameri-
can, sober, steady, age 28. State wages. Address
R F, care American Florist.

Situation Wanted—By practical grower of cut
flowers to take charge. References. State wages
without board. Address
GROWER, care American Florist.

Situation Wanted—As foreman, by a grower of
twenty years' experience; married. Only up-to-
date places will be considered. CHAS. DUERR,
care Morton Grove Greenhouse, Morton Grove, Ill.

Situation Wanted—By competent, managing
grower in establishment where cut flowers are
made a specialty. State full particulars as to
wages and character of place. Address
D, care American Florist.

Situation Wanted—By competent rose and car-
nation grower, as working foreman; sixteen years'
experience; married, age 34. State wages and
particulars. Disengaged May 1. Address
OUT WEST, care American Florist.

Situation Wanted—As rose grower, Beauties or
teas. Can furnish the best of references from
prominent Chicago firms. Up-to-date on carna-
tion and general stock. Good wages expected.
ROSE GROWER, care American Florist.

Situation Wanted—By a sober, industrious
florist. Single; 20 years' experience in floral and
horticultural branches. Capable of taking charge
of small place where practical floriculture is
practised. Wages not less than \$15.00 per week.
P D, care American Florist.

Situation Wanted—The undersigned is open for
an engagement with any gentleman requiring the
services of a practical head gardener. References
as to ability and character; married, no family.
Disengaged April 15. Correspondence solicited.
Address L. A. MARTIN, Greenwich, Conn.

Situation Wanted—By practical florist, 24 years
of age, single; can grow good roses, carnations,
chrysanthemums, palms, ferns; also good grower
in all kinds of bedding plants, etc. Sober, indus-
trious, quick and neat worker. Life experience.
Good references. Please state wages and full
particulars. Address
LIBERTY, care American Florist.

Help Wanted—At once; a young man capable
of taking charge of a small retail place where cut
flowers and potted plants are grown. Good wages.
F. B. TINKER, Peru, Ind.

Help Wanted—Competent man to work and
take charge of market garden and greenhouse;
good opening for the right man.
J. E. ROBINSON, Oil City, Pa.

Help Wanted—By April 15; a good carnation
grower. \$35.00 per month, board and room; \$55.00
without. Address
D. CARNICHAEL, Wellesly, Mass.

Help Wanted—Near Boston, four good plants-
men. Only such need apply who have been
trained in a nursery or in landscape gardening.
State references and wages. Address
ARBORETUM, care American Florist.

Help Wanted—We are looking for a good retail
seed store man of experience. Must be young,
active, competent and a willing worker. Give
experience and particulars in first letter.
SEEDSMAN, care American Florist.

Help Wanted—Section man to grow roses. Must be steady and sober. Up-to-date houses; no firing to do. Wages \$12.00 per week. No novice or run-about need apply. Address
J. F. AMMANN, P. O. Box 51, Edwardsville, Ill.

Help Wanted—A florist to take full charge of small place where carnations, roses and general stock is grown. German preferred. State wages with room and board. Address
OTTO BAUMANN, 469 Water St., Manistee, Mich.

Help Wanted—At once; a good, all-around grower for roses, carnations and general line of plants for wholesale market. Must be steady, sober and not afraid to work. Will pay from \$50.00 to \$60.00 per month, according to ability. In answering state where engaged and how long. Dane or German preferred. Address
E J B, care American Florist.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references. Address
FRED J. KING, Ottawa, Ill.

Help Wanted—A good grower of fine carnations, roses, mums, ferns and general greenhouse stock. Must be a willing worker. Will have charge of 8,000 feet of glass. Must be an up-to-date designer and keep an accurate account of all sales. To such a man will give salary of \$10.00 a week and 10% of the profits. Party who now has charge will give up situation April 15th, to accept position for me at another place I am starting. Party must have good endorsements and able to wait on the trade. Address
M H S, care American Florist.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address
BAUR FLORAL CO., Erie, Pa.

Wanted—A sober, industrious young man as partner in a florist and nursery business. Man with wife only preferred. Good business. Address
FLORAL PARK, 1802 West Webb st., Pendleton, Oregon.

Wanted—The present address of Otto Schultze, formerly of Bucyrus, Ohio. Address
KINSHIP, care American Florist.

To Rent—Eleven greenhouses, rooms and stable in Clifton, Cincinnati, O. Apply to
Jno. J. SCHIFF, No. 206 Carlisle Building.

For Sale—Sixty-foot greenhouse, house, two lots, \$2,600. Or separate, glass, boiler, pipe, \$225.
3181 Elston Av., Chicago.

For Rent—Old established greenhouses with good house, barn, all utensils, tools, etc. For particulars address
C E, care American Florist.

For Sale—An elegant greenhouse plant of 40,000 square feet of glass; must sell, have other business. Write for particulars.
W W, care American Florist.

For Sale—At a bargain 4 greenhouses 20x100 feet, barn, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health.
J D, care American Florist.

For Sale—New glass, never been opened, 10 boxes A Double 16x24 at \$3.80 per box, 50 boxes B Double 16x24 at \$3.40, 40 boxes B Double 16x18 at \$3.25 per box, 50 boxes A Double 16x18 at \$3.40.
DAVIS BROS., Morrison, Ill.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale—New greenhouses, 11,000 feet glass, complete in every particular; established 6 years. Splendid retail trade; city of 45,000 inhabitants. We are the only florists here. Address
L. O'SULLIVAN, Superior, Wis.

For Rent—Over 20,000 square feet of glass in city of 15,000. Excellent retail trade. Surplus easily disposed of in large city near-by. Everything right. Closest investigation invited.
No. 30, care American Florist.

For Sale—A fortune in this; The finest greenhouse plant in a western state. 2 acres, 40,000 square feet of glass. Modern in every way; all new. A ready market for all products. In a thriving city in Colo. Write for particulars.
C C, care American Florist.

For Sale—Old established greenhouses, large lot, good house and barn, together with all the paraphernalia incidental to this line of business. Sickness compels an immediate sale of this plant. No reasonable offer refused.
CLARENCE E. SMITH, 145 LaSalle St., Chicago.

For Sale—Well established florist business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. For particulars address
FRANK M. PAINE, Traverse City, Mich.

For Sale—\$4,800 takes place of 12,000 feet of glass; well stocked. Good dwelling and barn, 1 acre land, team, wagons and tools, complete. Place well worth \$6,000. Spring trade will turn \$1,500. Located in progressive city of 12,000; 3 steam, 3 electric lines. Ill health cause for selling. For particulars address
X, care American Florist.

For Sale—At a bargain, 8 greenhouses well stocked and in good condition; steam heat, gas for fuel at 15 cents per 1,000 feet, every convenience; only plant in city of 4,000 population, two main lines of railroads and street cars pass the door; will sell at a sacrifice, as I am in the hotel business 100 miles away from the greenhouses and cannot give them my attention. Address all communications to
N. Amos, Toledo, O.

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.

FLORISTS' AMERICAN EXCHANGE

Things You've Discarded
MAY BE
Converted Into Cash.

We are preparing a list of Boilers, Pipes, and other articles useful in building, for publication May 1. In case you are in need of any material before that date, we will thank you to write us stating what you desire. We will take special care to find it for you.

Wanted Immediately Two Steam Boilers, horizontal, 45 to 50 H. P. Also a quantity of 2-inch pipe.

Pointer No. 21. If you would go to Spokane, Washington, examine this Place. One acre good land in the city, one block from street cars; 8 greenhouses, boiler room, office, steam heated, gasoline engine for pumps; 40 bbl. iron tank; 8 room dwelling, two story, 24x26 cellar cemented; bath with hot or cold water; 2 lavatories, wired for electric light; 6 fire places; double floors; some fruit, etc. This place can be had at a very reasonable price. Greenhouses are stocked, everything ready for you to step into. The part of this town is growing fast in locality of this place, besides price being low. Terms are so arranged that the first payment of \$1,000 will give you possession and enable you to make the balance pay itself. If not sold quick it may be rented, but a sale will be more satisfactory all around.

Hotbed Sash.

We wish to state that we are unable to find enough to meet the demand.

It Costs Nothing to List Property for Sale With Us. If we make the sale we charge 5 per cent for real estate sales on all amounts not exceeding \$1000, for any balance over that amount we charge 2 per cent. For boilers, pipe, wagons, etc. etc., we charge 8 per cent. We do not solicit trade outside of Florists' requirements, although we have a good thrifty Printing Business for sale. It belongs to a son of a florist, and we want to accommodate for sake of family relationship. If you can think of any one likely to want to run a print shop for profit, please advise us. We will not overlook such a courtesy.

ADDRESS COMMUNICATIONS TO **C. B. WHITNALL,**
Care Citizens Trust Company, MILWAUKEE, WIS.

Please mention the American Florist when writing.

E. H. Hunt, WHOLESALE Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave.,CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Mar. 31.

Roses, Beauty, long per doz.	4.00@5.00
" " med.	2.00@3.00
" " short	5.00@12.50
" " Bride, Bridesmaids	4.00@10.00
" " Meteor, Golden Gate	4.00@10.00
" " Perle	4.00@10.00
Carnations	2.00@4.00
Smilax	18.00@30.00
Asparagus	35.00@50.00
Violets	.50@.75
Valley	2.00@3.00
Romans	1.50@2.00
Freesias	@2.00
Tulips	2.00@3.00
Daffodils	2.00@3.00
Callas	15.00
Harrisii	15.00

PITTSBURG Mar. 31.

Roses, Beauty, specials	40.00@60.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " ordinary	3.00@6.00
" " Bride, Bridesmaid	2.00@12.00
" " Meteor	4.00@10.00
" " Liberties	6.00@12.00
Carnations	1.00@6.00
Lily of the valley	2.00@4.00
Smilax	15.00@20.00
Asparagus, strings	30.00@50.00
Asparagus Sprengeri	2.00@4.00
Violets	.25@1.00
Lilies	6.00@15.00
Romans, Paper White	1.00@3.00
Tulips	2.00@4.00
Daffodils	1.00@3.00
Dutch Hyacinths	4.00@6.00
Pansies	.75@1.00

CINCINNATI, Mar. 31.

Roses, Beauty	2.00@6.00
" " Bride, Bridesmaid	4.00@10.00
" " Liberty	4.00@10.00
" " Meteor, Golden Gate	4.00@12.00
Carnations	2.00@4.00
Lily of the valley	3.00@4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@1.50
Violets	.75@1.00
Narcissus	3.00@4.00
Romans	3.00@4.00
Harrisii	15.00
Calla	12.50

St. Louis, Mar. 31.

Roses, Beauty, long stem	3.00@6.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.75@1.00
" " Bride, Bridesmaid	6.00@10.00
" " Golden Gate	6.00@10.00
Carnations	3.00@5.00
Smilax	15.00@20.00
Asparagus Sprengeri	1.00@3.00
" " Plumosus	25.00@50.00
Ferns	per 1000 4.00
Violets, single	.10@1.00
Narcissus Paper White	3.00
Valley	3.00@4.00
Romans	2.00@3.00
Dutch hyacinths	4.00@6.00
Tulips	3.00@4.00
Callas	15.00
Harrisii	15.00

HEADQUARTERS FOR WILD SMILAX

AMERICAN BEAUTY	
36-inch stems	Per Dozen. \$5.00 to \$6.00
24 to 30-inch stems	3.00 to 5.00
18 to 24 "	2.50 to 3.00
15 to 18 "	2.00 to 2.50
12 to 15 "	1.50
Short stems	1.00
Per 100	
Bride and Maid	\$6.00 to \$10.00
Golden Gate	6.00 to 10.00
Liberty and Chatenay	6.00 to 15.00

Per 100	
Carnations	\$3.00 to \$4.00
" " Fancy	4.00 to 6.00
Violets, Double	.75 to 1.50
" " Single	.50 to 1.00
Valley	2.00 to 4.00
Daffodils, Paper White	2.00 to 3.00
Tulips	3.00 to 5.00
Harrisii	12.00 to 15.00
Callas	12.50 to 15.00
Asparagus Sprengeri, sprays	2.00 to 4.00
" " Plumosus, string, 25c to 50c each	
Fancy Ferns	per 1000, \$3.00 .35
Galax, Bronze, Green, 1000	\$1.25 .15
Adiantum	.75 to 1.00
Leucothoe Sprays	.75
Smilax	per dozen, \$2.00

OUR MURILLO TULIPS
are the best that the market affords

Book your orders now for EASTER LILIES and other wants.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

FANCY? CARNATION BLOOMS OUR SPECIALTY.

TELEGRAPH ORDERS FILLED PROMPTLY.

Place Your Order Now For Easter.

J. D. THOMPSON CARNATION CO. JOLIET, ILL.

FOR SOUTHERN WILD SMILAX.

(Where quality is first consideration) Write, Wire or Phone the Introducing, CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

CUT FLOWERS OF ALL KINDS and Florists' Supplies.

Galax, bronze or green, 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss, Ferns. Wire Work of all kinds for florists. Special attention given to shipping orders.

WM. MURPHY, Commission Dealer, 130 E. 3d St., CINCINNATI, O. Telephone, 980 Main. Please mention the American Florist when writing.

C. A. KUEHN, Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs. Please mention the American Florist when writing.

J. M. McCULLOUGH'S SONS WHOLESALE FLORISTS

ALSO SUCCESSORS TO THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Michigan Cut Flower Exchange, WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH. Please mention the American Florist when writing.

Brant & Noe Floral Co., GROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders. 58-60 Wabash Ave., CHICAGO.

H.G. BERNING Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,

AT CHICAGO MARKET RATES.

42-44 E. Randolph St.,

CHICAGO, ILL.

LET US HAVE YOUR ORDER

We are well supplied with a full line of Seasonable Stock. Headquarters for **Green Goods.**

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

PRICE LIST.	
American Beauty.	Per doz.
Long Stemmed.....	\$5.00
Stems, 30 inches.....	4.00
Stems, 24 ".....	3.00
Stems, 20 ".....	2.50
Stems, 15 ".....	2.00
Stems, 12 ".....	1.50
Short stems, \$6.00 to \$8.00 per 100	
	Per 100
Bride and Maid.....	\$3.00 to \$ 8.00
Golden Gate.....	3.00 to 8.00
Roses, our selection.....	3.00
Carnations.....	1.50 to 2.00
" large and fancy.....	3.00 to 4.00
Harrisii, Callas, per doz., \$1.25 to \$1.50	
Valley.....	3.00 to 4.00
Sweet Peas.....	.75 to 1.00
Daffodils, Paper Whites.....	2.00 to 3.00
Tulips.....	2.00 to 4.00
Marguerites.....	1.00
Violets.....	.50 to .75
Mignonette, per doz., \$.50 to \$.75	
Asparagus, per string, 35c to 50c	
Galax.....	per 1000, 1.25 .15
Ferns.....	per 1000, \$3.50 .40
Leucothoe Sprays.....	1.00
Adiantum.....	.75
Smilax.....	per doz., \$2.50

SUBJECT TO CHANGE WITHOUT NOTICE.

The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

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Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY OUT **FERNS**
65-57 WABASH AVENUE, CHICAGO.
Telephone Central 3284.

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.
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60 WABASH AVE., CHICAGO.
Telephone 3087 Central.

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Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
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It is good business policy to mention the **American Florist**when writing to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.
Wholesale GROWER of **CUT FLOWERS**
Roses and Carnations A Specialty.....

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street. MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Apr. 1.	
Roses, Beauty, 30 to 36-in. stems	4.00@ 6.00
" " 20 to 24 "	3.00@4.00
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	6.00@ 8.00
" extra select.....	10.00@ 15.00
" Chatenay.....	6.00@12.00
" Bride, Bridesmaid.....	5.00@10.00
" Meteor, Golden Gate.....	5.00@10.00
Carnations.....	2.00@ 4.00
" fancy.....	5.00@ 6.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
sprays 2.00@4.00	
" Sprenger.....	3.00@ 6.00
Violets, double.....	1.00@ 1.50
" single.....	.50@ 1.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000	2.50@ 3.50
Smilax.....	12.50@15.00
Callas.....	1.00@ 2.00 per doz.
Harrisii.....	1.25@ 2.00
Tulips.....	2.00@ 4.00
Daffodils.....	2.00@ 3.00

SINNER BROS.
Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Growers' Co. Telephone—Central 3087.
All telegraph and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention. 35-37 Randolph Street, CHICAGO, ILL.
GREENHOUSES: Morton Grove, Ill.
Please mention the American Florist when writing.

WEILAND - AND - RISCH
CHICAGO'S RELIABLE Wholesale Growers and Shippers of **CUT FLOWERS,**
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

ALWAYS MENTION THE.....
AMERICAN FLORIST
WHEN WRITING ADVERTISERS

Leo Niessen

WHOLESALE FLORIST,

1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

For April Weddings

VALLEY, BEAUTIES, LILIES, WILD SMILAX.

Write for Prices.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers. All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN.

34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,

WHOLESALE

FLORISTS.



WELCH BROS. CITY HALL CUT FLOWER MARKET, 15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA. THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr.

WHOLESALE FLORIST.

CHOICEST CUT FLOWERS. 43 W. 28th St., NEW YORK CITY.

GEORGE SALTFOORD, WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK.

TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.

Consignments of any good flowers 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.

N. Lecakes & Co.

53 W. 28th St., and 46 W. 29th St. Also at 26th St. and 34th St. Markets

NEW YORK.

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OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.

Telephone 1214 Madison Square.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$2.00 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. 'Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

Wholesale Flower Markets

BOSTON, Mar. 30.

Roses, Beauty, extra.....	15.00@30.00
" " medium.....	6.00@10.00
" " cnls.....	1.00@ 3.00
" Bride, Bridesmaid.....	2.00@ 4.00
" extra.....	6.00@10.00
" Liberty.....	4.00@10.00
Carnations.....	1.50@ 2.00
Fancy.....	3.00@ 4.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies, Calla.....	10.00@12.00
Smilax.....	12.00@20.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	1.00@ 2.00
Tulips.....	1.00@ 2.00
Peas.....	.50@ 1.00

PHILADELPHIA, Mar. 30.

Roses, Tea.....	4.00@ 8.00
" " extra.....	10.00@15.00
" Beauty, extra.....	25.00@40.00
" " firsts.....	12.00@20.00
" Queen of Edgely, extra.....	25.00@40.00
firsts.....	12.00@20.00
Carnations.....	2.00@ 6.00
Violets, single.....	.30@ .40
" double.....	.50@ .75
Lily of the valley.....	3.00@ 4.00
Daffodils.....	2.00@ 4.00
Tulips.....	2.00@ 4.00
Lilac.....	.50@ 2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla lilies.....	8.00@10.00
Longiflorum.....	10.00@12.00

BUFFALO, Mar. 31.

Roses, Beauty.....	6.00@50.00
" " Bride, Bridesmaid, Meteor.....	4.00@15.00
Carnations.....	2.50@ 6.00
Harrisii.....	12.50@15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1.00
Violets.....	.60@ 1.00
Callas.....	8.00@10.00
Sweet Peas.....	.40@ 60

Get Our **LAUREL FESTOONING**

and Southern Smilax for your Easter decorations. No. 1 quality Laurel festooning, made all round, full and the best made, fresh from the woods, 4c, 5c and 6c per yd. 50 lb. case, finest Smilax ever sold, only \$4.00. fancy ferns, \$2.00 per 1000. Dagger Ferns, \$1.50 per 1000. All stock Bronze and Green Galax, 75c per 1000; discount on 10,000 lots. Send us your orders early for Easter and get the best to be had at bottom prices and fresh from the woods. Satisfaction guaranteed. Thanking you for past favors we are yours to command.



Long distance telephone connection. Please mention the American Florist when writing.

GALAX.

Brilliant Bronze or Green, \$ 1.00 per 1000; 75c per 1000 in 5000 lots or over. Southern Smilax, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. Leucothoe Sprays, green, \$1.00 per 100; \$7.50 per 1000. Green Sheet Moss, per barrel sack \$2.50. Dagger Ferns, \$1.25 per 1000. ALL KINDS FLORISTS' SUPPLIES.

Tel. 597 Madison Square.

L. J. KRESHOVER, 112 W. 27th St., New York.

Please mention the American Florist when writing.

RICE BROTHERS 128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

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FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.
Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT
42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonal novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH
Wholesale Commission Florists.
65 and 57 West 26th St. NEW YORK CITY.
Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. Wholesale WILLIAM GHORMLEY, Commission VIOLETS

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,
COMMISSION FLORIST,
Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
115 W. 30th St., New York. Also 48 W. 30th St.

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WHOLESALE FLORISTS.
55 and 57 W. 26th St. New York.
Cut Flower Exchange,
OPEN 6:00 A. M.
An Unequaled 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.
Please mention the American Florist when writing.

Wholesale Flower Markets

New York, Mar. 30.

Roses, Beauty, Liberty, best.....	15.00@25.00
" " medium.....	4.00@ 8.00
" " culls.....	1.00@ 2.00
" " Bride, Bridesmaid, G. Gate.....	2.00@ 8.00
Carnations.....	1.50@ 2.50
" " fancy and novelties.....	3.00@ 5.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	8.00@12.00
Violets.....	.20@ .30
" " special.....	.40@ .50
Smilax.....	10.00@25.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 4.00
Tulips Hyacinths.....	.50@ 3.00
Narcissus.....	1.00@ 2.00
" " Southern.....	.25c
Gardenias.....	25.00@50.00
Freesia.....	.06@ .12 per bun.
Stocks.....	.20@ .35 per bun.
Sweet peas.....	.03@ .12 per bun.

Charles Millang
WHOLESALE FLORIST.
Conservatory connected from which can ship ferns and decorative plants promptly
50 West 29th St. NEW YORK
Tel. 2230 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.
Julius Lang
53 West 30th Street, NEW YORK.
COMMISSION DEALER in FLOWERS
TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,
Wholesale Commission Florist,
A full supply daily of the choicest
New York and New Jersey
FLOWERS.
62 W. 29th Street, NEW YORK CITY
Telephone 1738 Madison Square.

THE
NEW YORK CUT FLOWER CO.
55 and 57 West 26th St.,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER

CARNATIONS My Specialty.
CONSIGNMENTS SOLICITED.
Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St.
New York.
Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,
Telephone 421
Madison Square.NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.
Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th. St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. **Cable Address: ALEXCONNELL.**
WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

**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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER
GROWER AND DEALER
522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

24 1/2 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**
4320-4328 Olive St., ST. LOUIS, MO.
Established 1873. Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Lucania	1	Sat. Apr. 9, 10.00 a. m.	
New York.....	"	Umbria	1	Sat. Apr. 16, 8.00 a. m.	
Boston.....	"	Ivornia	1	Tues. Apr. 12, 7.30 a. m.	
New York.....	Glasgow	Numidian	2	Thur. Apr. 14, 11.00 a. m.	
New York.....	Hamburg	Deutschland	3	Thur. Apr. 7, 11.00 a. m.	
New York.....	"	Patricia	3	Sat. Apr. 9, 12.30 p. m.	
New York.....	Genoa	Prinz Oskar	3	Thur. Apr. 14, 10.00 a. m.	
New York.....	Copenhagen	United States	4	Wed. Apr. 13, 2.00 p. m.	
New York.....	Glasgow	Anchoria	5	Sat. Apr. 9, Noon.	
New York.....	"	Furnessia	5	Sat. Apr. 16, Noon.	
New York.....	London	Marquette	6	Sat. Apr. 9, 9.00 a. m.	
New York.....	"	Minnehaha	6	Sat. Apr. 16, 6.00 a. m.	
New York.....	Liverpool	Oceanic	7	Wed. Apr. 6, 10.00 a. m.	
New York.....	"	Teutonic	7	Wed. Apr. 13, 10.00 a. m.	
New York.....	"	Celtic	7	Fri. Apr. 15, 5.00 p. m.	
Boston.....	"	Cymric	7	Thur. Apr. 14, 9.00 a. m.	
Boston.....	Naples	Romanic	7	Sat. Apr. 9, 4.30 p. m.	Apr. 23
New York.....	Southampton	New York	8	Sat. Apr. 9, 9.30 a. m.	
New York.....	"	St. Paul	8	Sat. Apr. 16, 9.30 a. m.	
New York.....	Antwerp	Vaderland	8	Sat. Apr. 9, 9.00 a. m.	
New York.....	"	Kroonland	8	Sat. Apr. 16, 2.00 p. m.	
New York.....	Havre	La Touraine	10	Thur. Apr. 7, 10.00 a. m.	
New York.....	"	La Lorraine	10	Thur. Apr. 14, 10.00 a. m.	
New York.....	Rotterdam	Potsdam	11	Tues. Apr. 5, 10.00 a. m.	
New York.....	"	Rotterdam	11	Tues. Apr. 12, 11.00 a. m.	
New York.....	Genoa	Sardigna	12	Tues. Apr. 12, 10.00 a. m.	
New York.....	Bremer	Prinzess Alice	13	Tues. Apr. 5, 10.00 a. m.	
New York.....	"	Barbarossa	13	Thur. Apr. 7, 10.00 a. m.	
New York.....	"	Kaiser Wilh. 11	13	Tues. Apr. 12, 1.00 p. m.	
New York.....	Genoa	Kong Albert	13	Tues. Apr. 12, 11.00 a. m.	Apr. 23
Boston.....	Liverpool	Bohemian	14	Wed. Apr. 6, 2.30 p. m.	
Boston.....	"	Canadian	14	Wed. Apr. 13, 8.00 a. m.	
Portland.....	"	Southwak	15	Sat. Apr. 9, 2.00 p. m.	
Portland.....	"	Canada	15	Sat. Apr. 16, 2.00 p. m.	

* 1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; 5 Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

Artistic Designs. * * * * *
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

Please mention the American Florist when writing.

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND, Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

Please mention the American Florist when writing.

NICKEL PLATE.

The New York, Chicago & St. Louis R.R.

NO EXCESS FARE ON ANY TRAIN

Three Express Trains Eaat every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wedneadays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points Eaat. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip Eaat, call on any convenient Ticket Agent, or address J. JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Campania	1	Sat. Apr. 8	
Liverpool.....	"	Etruria	1	Sat. Apr. 16	
Liverpool.....	Boston	Saxonia	1	Tues. Apr. 12	
Glasgow.....	New York	Mongolian	2	Sat. Apr. 9	
Hamburg.....	"	Graf Waldersee	3	Sat. Apr. 9	
Hamburg.....	"	Bleucher	3	Thur. Apr. 14	
Genoa.....	"	Auguste Victoria	3	Mon. Apr. 4	
Genoa.....	"	Phoenecie	3	Sat. Apr. 9	
Genoa.....	"	Prinz Adalbert	3	Sat. Apr. 16	
Copenhagen.....	"	Helig Olav	4	Wed. Apr. 6	
Copenhagen.....	"	Hecla	4	Wed. Apr. 13	
Glasgow.....	"	Ethiopia	5	Thur. Apr. 7	
Glasgow.....	"	Columbia	5	Sat. Apr. 16	
London.....	"	Minneapolis	6	Sat. Apr. 9	
London.....	"	Mesaba	6	Sat. Apr. 16	
Liverpool.....	"	Cedric	7	Wed. Apr. 6	
Liverpool.....	"	Majestic	7	Wed. Apr. 13	
Liverpool.....	"	Arabic	7	Fri. Apr. 15	
Liverpool.....	Boston	Cretic	7	Thur. Apr. 14	
Naples.....	"	Canopic	7	Fri. Apr. 8	Apr. 20
Naples.....	"	Republic	7	Sat. Apr. 16	Apr. 28
Southampton.....	New York	Philadelphia	8	Sat. Apr. 9	
Southampton.....	"	St. Louis	8	Sat. Apr. 16	
Antwerp.....	"	Zeeland	9	Sat. Apr. 9	
Antwerp.....	"	Fiolaad	9	Sat. Apr. 16	
Havre.....	"	La Bretagne	10	Sat. Apr. 9	
Havre.....	"	La Savoie	10	Sat. Apr. 16	
Rotterdam.....	"	Noordam	11	Sat. " 9	
Rotterdam.....	"	Statendam	11	Sat. " 16	
Genoa.....	"	Sicilia	12	Mon. Apr. 4	
Genoa.....	"	Lombardia	12	Mon. Apr. 11	
Bremen.....	"	K. Wil. Der Grosse	13	Tues. Apr. 12	Apr. 19
Genoa.....	"	Hohenzollern	13	Thur. Apr. 7	Apr. 20
Naples.....	"	Neckar	13	Thur. Apr. 14	Apr. 26
Liverpool.....	Boston	Devonian	14	Sat. Apr. 9	
Liverpool.....	"	Winifredian	14	Sat. Apr. 16	

* See steamship list on opposite page.

Orchids!



Just arrived in perfect condition **Cattleya Mossiae**, **Oncidium papilio** (butterfly orchid), **O. ampliatum majus**, **Peristeria elata** (Holy Ghost orchid), **Catasetum ia var.**, **Cycnoches**, **Epidendrum**, **Stanhopeas**, **Deudrobium nobile**, **D. densiflorum** and **D. Chrysanthum**. Also a lot of bulbs of **Calanthe Veitchii** for immediate delivery.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Cattleya Trianae Just received grand lot in fine condition and well leaved, low price for large quantity. Address
A. PERICAT, Collingdale, Del. Co., Pa.

A Daily Cut From 40 Growers

"Highest Qualities"
AS WELL AS

"Under Grades"
At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR
Cut Flower Wants
TO ADVANTAGE.

Headquarters for "Superior Quality" Brand
Wild Smilax (None Better), Galax,
Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,
E. F. Winterson, John P. Degnan, L. H. Winterson,
Successors to McKellar & Winterson.
45-47-49 Wabash Avenue, CHICAGO.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.	\$5.00
" " 30-in. " "		4.00
" " 20-24 " "		\$2.00 to 3.00
" " 15-18 " "		1.50 to 2.00
" " Short stems.....		.75 to 1.00
Per 100		
SUNRISE.....		\$5.00 to \$8.00
CHATENAY.....		6.00 to 10.00
BRIDE.....		5.00 to 8.00
BRIDESMAID.....		5.00 to 8.00
PERLE.....		3.00 to 8.00
CARNATIONS.....		3.00 to 4.00
ROSES, OUR SELECTION.....		4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

Please mention the American Florist when writing.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

Please mention the American Florist when writing.

S. S. Skidelsky,
708 N. 16th St., Philadelphia.

Please mention the American Florist when writing.

CARNATIONS, LILIES, ROSES, TULIPS AND VALLEY.

PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.

Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

Congressional Seedsmen.

PUBLIC PAYS SALARIES AND SUPPLIES SEEDS.

If the current custom of indiscriminate distribution shall indefinitely continue, if this congressional comedy shall drift into a continuous performance, we shall ultimately be driven to the mournful admission that we are not statesmen, but seedsmen; and it will be in order for some distinguished seedsman, some sainted hero of a score of memorable distributions, some legislative knight upon whose shield is blazoned a radish in its glory or a turnip in repose, to arise in his place with becoming gravity and move, Mr. Chairman, that the American eagle be taken from the mace and supplanted by a package of vegetable seed as the supreme emblem of the genius, the character, and the principal occupation of American statesmanship.—*Morris Sheppard, of Texas, in House of Representatives.*

SOME holders of onion seed are offering to sell at contract cost.

VISITED CHICAGO: John Lewis Childs, of Floral Park, N. Y., enroute to the coast.

HAMILTON, Montana, seed pea contracts are being made with seedsmen by farmers of the Bitter Root at \$2.50 per 100 pounds, stock seed furnished.

THE twenty-second annual convention of the American Seed Trade Association will be held at the Forest Park University hotel, St. Louis, Mo., June 21-23.

THE severe winter has affected even southern stock. Caladium bulbs have suffered from frost and careless dealers are sending out bulbs with no center shoots.

IT is said that Secretary Wilson will support the bill introduced by Representative Trimble, of Kentucky, to prevent the sale of bad seed, which is likely to become law.

AN amendment to the domestic commerce law has been introduced, providing that no person shall sell roots and seeds of ginseng from a country outside the United States without English labels stating the country where they were grown.

CALVERTON, L. I., N. Y.—B. E. Goodell reports that cabbage seed will be a very light crop for the reasons that the acreage is not over one-third of the usual extent, and that the cabbages are not keeping well. At present they show much decay and their appearance indicates further decay when replanted.

NEWPORT, R. I.—Seed potatoes are in very good demand, the best Maine stock bringing \$3.75 per barrel to our largest planters. Red onion sets are short here; white and yellow sets are more plentiful and go slow. The market for sets to consumers is: Reds, \$3.50, yellows, \$3 and whites \$4. The spring is late and trade as yet only fair.

New York.

The seed trade planting season is three weeks late here.

The mail trade is fair, some houses working nights to keep up with the orders. The counter trade is as yet very moderate.

Onion sets are in demand at \$2.75 to \$3 for yellow.

Cox Seed Company Not Injured.

The Cox Seed Company advises us that the statement in the AMERICAN FLORIST, issue of March 26, regarding the company's loss by flood is entirely out of line. The telegram states that the loss was partial only and in but one district, and that the company is still in position to take contracts.

[We are very glad to hear this. Our notes of March 26 were based on Sacramento Valley newspaper reports, letters from

San Francisco, and the fact that certain growing contracts made by the Cox Seed Company in the west had been cancelled on account of flood damage.—Ed.]

Send Out the Money.

There is the same reason for going into the market and buying shoes for people as seeds. Why not as well send out the money and let the people buy the seeds themselves.—*Carlinville, Ill., Argus.*

ANNOUNCEMENT!

March 29, 1904.

I have this day severed my connection with Clucas & Boddington Co., and have commenced business on my own account at 35 Warren St., New York City.

Arthur T. Boddington,

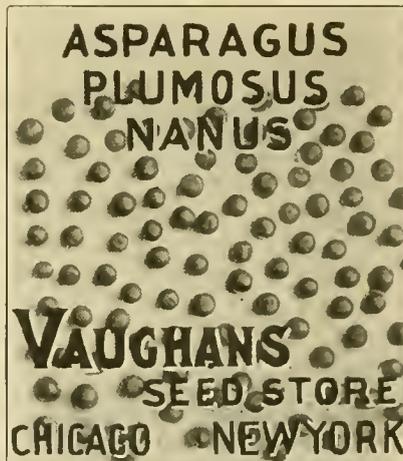
—IMPORTER AND EXPORTER OF—

SEEDS, BULBS AND PLANTS

35 Warren St., NEW YORK CITY.

—TELEPHONE CALL 4516 CORTLANDT.—

SEEDS for PRESENT SOWING



NEW CROP. GREENHOUSE GROWN SEED.

SPECIAL PRICE FOR THE NEXT TEN DAYS.

Per 1000 Seeds, \$6. 10,000 Seeds, \$55.

2 per cent cash with order.

The most profitable plant a florist can grow. Can be started every month and SELLS EVERY DAY IN THE YEAR.

Asparagus Plumosus Robustus, 100 seeds, \$1.00; 1000 seeds, \$10.00

Scandens Deflexus, 100 seeds, \$1.25.

ASTER, Truffaut's Peony-Flowered, white, pink, rose, scarlet, light blue, dark blue, crimson, each, trade pkt., 20c; ¼ oz., 35c; oz., \$1.20.

Victoria, white, pink, scarlet, light blue, dark blue, crimson, each, trade pkt., 25c; ¼ oz., 50c; oz., \$1.75. Mixed, trade pkt., 25c; oz., \$1.20.

Hohenzollern, white, trade pkt., 25c; ¼ oz., 65c; oz., \$2.50.

Hohenzollern, Extra Early White, trade pkt., 25c; ¼ oz., 70c.

Branching or Simple, white, rose, pink, lavender, Daybreak pink, red, purple, light blue, each, trade pkt., 10c; ¼ oz., 20c; oz., 60c.

Upright Branching, white or pink, each, trade pkt., 10c; ¼ oz., 25c; oz., 65c.

Branching, "Special White," trade pkt., 15c; ¼ oz., 30c; oz., \$1.00.

Giant Comet, white, rose, lavender, light blue, dark blue, crimson, each, trade pkt., 15c; ¼ oz., 30c; oz., \$1.20.

Queen of the Market, white, pink, scarlet, light blue, dark blue, each, trade pkt., 10c; ¼ oz., 20c; oz., 50c.

Calla, Devoniensis, new, blooms in 12 months, 100 seeds, 75c.; 1000 seeds, \$6.00.

Daisy, Shasta, 1-32 oz., 65c; trade pkt., 30c.

Sweet Peas, Emily Henderson, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.

Extra Early Blanche Ferry, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.

Countess of Radnor, ¼-lb., 10c; lb., 25c; 5 lbs., \$1.00.

Salopian, ¼-lb., 10c; lb., 25c; 5 lbs., \$1.00.

Blanche Ferry, ¼-lb., 10c; lb., 20c; 5 lbs., 90c.

Vaughan's Seed Store,

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

GLADIOLI.

Having more small gladioli than I wish to plant, I offer about 500,000 at following prices:

Per 1000
 Groff's hybrids, $\frac{3}{8}$ to $\frac{1}{2}$ -in. diam. \$2.50
 Groff's hybrids, $\frac{3}{8}$ to $\frac{1}{2}$ -in. diam. 1.50
 Groff's hybrids, $\frac{1}{4}$ to $\frac{3}{8}$ -in. diam. 1.00

May and Lemoine's hybrids, same size as Groff's, at \$2.00, \$1.25 and 75c per 1000. Gladioli, in fine mixture, all classes, $\frac{3}{8}$ - $\frac{1}{2}$ -in., \$1.50; $\frac{1}{2}$ - $\frac{3}{4}$ -in., \$1.00; $\frac{1}{4}$ - $\frac{3}{8}$ -in., 50c per 1000. The smallest of these will generally flower the first year, under favorable conditions. Bulblets of Gladioli, per bushel at low rates.

Ismene calathina, small bulbs, \$3.00, \$1.00 and 50c per 100, according to size.

E. Y. Teas, Centreville, Ind.

Please mention the American Florist when writing.

TRUE ASPARAGUS PLUMOSUS NANUS SEED.

\$6.50 per 1000 seeds. Plants from flats, \$15.00 per 1000. Express paid.

California Carnation Co.,
 LOOMIS, CAL.

Please mention the American Florist when writing.

Special FOR ONE WEEK.

Asparagus Plumosus Nanus.
 Fresh from vines—every seed germinating. 100, 75c; 1000, \$5.50; 10,000, \$45.00.

For all bulbs, plants, etc., look up our ad. March 24th.

H. H. BERGER & CO.,
 47 Barclay St., New York.

Please mention the American Florist when writing.

ROSEDALE HYBRID.

Nice lot ready to line out. Now in 2-inch pots, well established. \$2.50 per 100; \$20.00 per 1000.

WILL B. MUNSON,
 DENISON, TEX.

"You Cannot Fool all the People all the Time."

This is as true now as the day when Lincoln said it, but still many bulb firms are trying to do it.

Write us and see what we have to offer before buying elsewhere.

John Scheepers, 136 Water Street, New York.
 Farms at HILLEGOM, HOLLAND.

ONE HUNDRED THOUSAND
ASPARAGUS Plumosus Nanus

SEEDS at \$5.00 per thousand.
 CASH WITH ORDER.

LEWIS ULLRICH, - Tiffin, Ohio.

Always mention the.....

American Florist
 when you write to an advertiser.

Vaughan's Forcing Bulbs

For the Coming Season.



VAUGHAN'S "STAR BRAND" PAPER WHITES.

Please mention the American Florist when writing.

Our arrangements for high grade bulbs of Liliun Harrisii, French Romans Paper White Grandiflora, Callas, Japan Longillorum, 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.

Owing to new Custom House regulations it will pay you to place your order for imported stock with an American dealer.

Write for Prices before Closing any Forcing Stock Orders.

Vaughan's Seed Store

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

Lily of the Valley Pips.

For Immediate Delivery From Cold Storage

ALL THE YEAR ROUND.
 PRICES ON APPLICATION.



Cycas Revoluta Stems.

1 to 5 lbs. each, 300 lbs. to case. Sold in case lots only.

Send for our list of Surplus Nursery Stock.
SUZUKI & IIDA, 31 Barclay St., NEW YORK.

Please mention the American Florist when writing.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, SEED GROWERS, PHILADELPHIA, PA.

Please mention the American Florist when writing.

Cannas...

Chas. Henderson, Chicago, Papa, McKinley, Alphonse Bouvier, Florence Vaughan, Egandale, C. D. Cabos. Strong healthy tubers, 2-3 eyes true to name, \$1.75 per 100; \$15.00 per 1000.

PAUL MADER, E. Stroudsburg, Pa.

Please mention the American Florist when writing.

Tritomas.

Pfitzeri and Uvaria Grandiflora, Dahlias, named, Iris, Lilies, Zephyranthes, Canna Black Beauty, Amaryllis Formosissima. Bulbs and Hardy Plants. Write for price list.

E. S. MILLER, WADING RIVER, N. Y.

Please mention the American Florist when writing.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

TREE peonias and herbaceous ones too, repay high cultivation. Without ample feeding the best results are impossible.

FOR seashore planting Tamarix Gallica and T. Chinensis are among the best of the small trees and are thoroughly reliable and hardy.

LEGUSTRUM REGELIANUM is recommended as a fine shrub for planting along the borders and fringes of tree and shrubbery groups.

TRAEER, IA.—John Porterfield has severed his connection with Puckett's department store and will give his entire attention to the nursery business.

JACKSON DAWSON says that shrubs, like people, enjoy good treatment. See that they have good food and opportunity for abundant air and sunlight.

PORTLAND, N. Y.—Thornton Stark, who has charge of the branch nursery establishment at this place of Stark Brothers of Louisiana, Mo., says that business is progressing very favorably.

VICTORIA, B. C.—There is a tremendous demand for fruit trees this season, so much so as to make it impossible for nurserymen here to supply all that is required and large orders have gone to eastern dealers.

LEUCOTHOE CATESBÆI, the handsome broad-leaf evergreen from the North Carolina mountains, the foliage of which is now used extensively in florists' work, has taken its place as one of the hardiest and most reliable shrubs in its class around Boston.

It is not generally known that the prettiest of all the viburnums, V. tomentosum was first brought to this country by a whaling vessel's captain. Another fine one not yet in general cultivation is V. Wrightii, found by Prof. Sargent in 1895. It has glossy foliage, white flowers and bright polished scarlet berries.

NATIVE PERENNIALS FOR PARK AND GARDEN.

Rosa Carolina, Asclepias Helenium, Lobelia Cardinalis, Lythrum Salicaria, Thalictrum, Iris, etc. Price list sent on application.

Shatemuc Nurseries,
BARRYTOWN, Dutchess Co., N. Y.

A. W. SMITH'S HYBRID MOON VINES

Ipomoea Noctiflora, 2 1/2-inch pots, \$5.00 per 100.

GODFREY ASCHMANN,
1012 Ontario St., PHILADELPHIA, PA.

Black Walnuts.

1,000 Extra fine, 2 feet.
1,000 Clumps, Pin R. Fragrance.
1,000 Clumps, Kelway's Anthemis.
500 Damask Roses, 2-year.
\$80.00 entire lot. Half quantity, \$30.00.

ROSEBUD GARDENS, Avonia, Pa.

NOW IS THE TIME TO ORDER

Exochorda Grif., 18 to 24-inch, bushy.....	Per 100 \$ 8.00	Oranges, 15 to 18-inch, 5-inch pots.....	Per 100 30.00
Lonicera, 1/2 Belgica and Heckrotti, 3 to 4 feet, bushy.....	8.00	Lemons, grafted, 18 to 24-inch, 5-inch pots.....	30.00
Ampelopsis Japonica, 2 1/2-inch pots.....	4.00	Kenia Belmoreana, 12 to 15-inch, 5 leaves.....	18.00
Cedrus Deodara, 15 to 18-inch.....	25.00	Latania, 15-inch, 3 to 4 ch. leaves.....	20.00
Cedrus Deodara, 22 to 24-inch.....	30.00	Phoenix Canariensis, 15 to 18-inch, 2 to 3 leaves, showing character.....	15.00
Oranges, best sorts, grafted, hearing size 12-inch, bushy, 4-inch pots.....	20.00	Not less than 50 of a kind at above prices.	
Ligustrum Amurense, true, 2 to 3-feet branched.....	per 1000, \$20.00		

Write for Wholesale and Descriptive Catalogue.

P. J. BERCKMANS CO., (Inc.)
FRUITLAND NURSERIES.
Established 1856. AUGUSTA, GA.

Please mention the American Florist when writing

A FINE LOT OF AZALEAS AND HYBRID RHODODENDRONS.
—SEND FOR PRICES.—
EASTERN NURSERIES, Jamaica Plain, Mass.

Dormant Roses.

FIELD-GROWN. H. P.'s and Mosses. MANETTI STOCKS. Fine disbudded plants. No. 1, 2 and 3. Only in lots of 5000 and upwards. Prices and samples upon application.

Huntsville Wholesale Nurseries,
Huntsville, Ala.

Please mention the American Florist when writing.

August Rölker & Sons,
IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raffia, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

W. VAN KLEEF, JR.,
Representing W. VAN KLEEF & SON,
BOSKOOP, HOLLAND.

Wholesale Growers of Nursery Stock, is now in this country visiting the trade. He will remain until the end of April. All correspondence intended for him should be directed to him in care of Mallus & Ware, 136 Water Street, New York. Send for our complete catalogue and price list.

2,500 Norway, Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in. At bottom prices.

J. J. STYER, Concordville, Pa.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Vinca Variegata

Large clumps, nice young growth, \$4.50 per 100 to close out

AGERATUM, Gurney, Pauline. SALVIA, Splendens, Silver Spot, Bonfire. PETUNIA, double, 15 kinds. VINCA, variegated, DOUBLE ALYSSUM, 2-inch, 2c.

REX BEGONIA, 2 sorts, 3c.

Rooted Cuttings Prepaid. SALVIA, Silver Spot, Bonfire, Splendens. STEVIA, variegated, 90c per 100.

AGERATUM, S. Gurney, P. Pauline. ALTER-NANTHERA, red, yellow; COLEUS, 10 kinds, 50c per 100. PINKS, 5 fine kinds, 75c per 100.

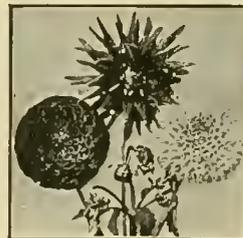
VINCA, Variegated, 75c per 100. PETUNIA, double, 15 kinds, \$1.00 per 100. FUCHSIAS, 5 kinds, \$1.25 per 100. MARGUERITE DAISY, \$1.00 per 100. HELIOTROPE, blue, \$1.00 per 100. REX BEGONIA, assorted, \$1.10 per 100.

HARDY PINKS, Field clumps, good sorts, \$4.50 per 100 to close out.

—CASH—

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.



Dahlias

Mrs. Winters

The World's Best White Dahlia.
\$18.00 per 100.

Ingeborg Egeland, the best scarlet cactus, \$5.00 per doz. Other novelties and standards. Also 20,000 double field-grown Hollyhocks in separate colors of red, white, pink, yellow and maroon, \$3.00 per 100. Gladioli and hardy plants. Send for catalogue before ordering.

W. W. WILMORE, The Dahlia Specialist,
Box 362, DENVER, COLO.

J. DIJKHUIS & CO.
BOSKOOP-HOLLAND.

QUALITY. QUANTITY.

Ask our prices for AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.

Price List Free on Application.

Jacs Smits, Ltd. NAARDEN, (Holland.)
(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a speciality. Berlin and Hamburg Valley—the best quality.

When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot

**LARGE SURPLUS. ORDER AT ONCE.
NURSERY GROWN AND TRANS-
PLANTED SEEDLINGS.**

S., Seedlings.	Tr., Transplanted.
	Per 100 1000
Althea Rosea, s., 4 to 6 in.....	.20 \$1.25
Althea Rosea, s., 6 to 12 in.....	.30 3.50
Birch, Betula Nigra, s., 4 to 10 in.....	.20 1.00
Birch, Betula Nigra, s., 8 to 18 in.....	.40 3.00
Carpinus Americana, water beech, tr., 8 to 12 in.....	.80 5.00
25,000 Catalpa Rignonoids, s., 6 to 12 in. 10,000, \$10.00	.30 1.50
Catalpa Speciosa, 6 to 14 in.....	.30 2.50
Catalpa Kaemfera, s., 2 to 6 in.....	.20 1.00
Catalpa Kaemfera, s., 6 to 14 in.....	.30 1.50
10,000 Catalpa Teas, Japan, s., 6 to 14 in.....	.30 1.50
5,000 Elm, American, tr., 1 to 2 ft.....	.80 5.00
6,000 Elm, American, tr., 2 to 4 ft.....	1.00 6.00
American Ash, s., 1 to 2 ft.....	.40 2.00
American Ash, s., 2 to 4 ft.....	1.00 7.00
American Ash, s., 4 to 6 ft.....	2.00 18.00
Horse Chestnut, white flowering, s., 8 to 14 in.....	1.00 5.00
Liquidamber, Sweet Gum, s., 4 to 6 in.....	.20 1.25
Liquidamber, Sweet Gum, s., 6 to 12 in.....	.30 2.50
Liquidamber, Sweet Gum, s., 1 to 2 ft.....	.70 5.00
Russian Mulberry, s., 4 to 6 in.....	.20 1.00
Russian Mulberry, s., 6 to 12 in.....	.30 1.50
Silver Maple, s., 8 to 18 in.....	.40 3.50
Silver Maple, tr., 3 to 4 ft.....	1.00
Silver Maple, tr., 4 to 5 ft.....	2.00
Trumpet Flower, s., 1 year.....	.40
5,000 Butternut, White Walnut, s., 1 to 2 ft.....	.60 5.00
Wistaria Magnifica, s., 1 year.....	.80 5.00
Sycamore, s., 4 to 6 in.....	.20 1.25
Sycamore, s., 6 to 12 in.....	.30 3.00
Cottonwood, s., 6 to 12 in.....	3.10
Cottonwood, s., 1 to 2 ft.....	4.00

COLLECTED SEEDLINGS.

Acer Saccharinum, sugar maple, 3 to 6 in.....	.15 .80
Acer Saccharinum, sugar maple, 1 to 2 ft.....	.25 2.00
Acer Saccharinum, sugar maple, 2 to 4 ft.....	.35 3.00
Acer Rubrum, scarlet maple, 6 to 12 in.....	.20 3.00
Acer Rubrum, scarlet maple, 1 to 3 ft.....	.80 6.00
Acer Rubrum, scarlet maple, 3 to 5 ft.....	1.50 12.00
Acer Rubrum, scarlet maple, 5 to 7 ft.....	3.00
Calycanthus, sweet shrub, 1 to 3 ft.....	.80 5.00
Cornus Florida, white flowering dog- wood, 6 to 12 in.....	.30 3.00
Cornus Florida, white flowering dog- wood, 1 to 3 ft.....	.80 7.00
Cornus Florida, white flowering dog- wood, 3 to 5 feet.....	1.25 8.00
Corylus Americana, hazlenut, 2 to 3 ft.....	.80 5.00
Corylus Americana, hazlenut, 3 to 5 ft.....	1.00 7.00
Juglans Cinerea, butternut, 1 to 3 ft.....	.70 5.00
Ilex Opaca, American holly, 4 to 8 in.....	1.00
Laurus Benzoina, spicewood, 6 to 12 in.....	.40 3.00
Liriodendron, tulip poplar, 6 to 12 in.....	.40 3.00
Liriodendron, tulip poplar, 1 to 2 ft.....	.60 5.00
Rhus Copalina, dwarf sumach, 1 to 2 ft.....	.70 5.00
Thuja Canadensis, hemlock, 6 to 12 in.....	5.00 3.50
Thuja Canadensis, hemlock, 1 to 2 ft.....	1.00 6.00
Viburnum Acerifolium, 2 to 4 ft.....	.80 6.00
Euonymus Americana, 2 to 4 ft.....	.80 5.00
Xanthorrhiza, Apifolia, yellowroot.....	2.50
Hamamelis, Witch Hazel, 6 to 12 in.....	.40 3.00
Hamamelis, Witch Hazel, 1 to 2 ft.....	5.00

Write for general list of Collected Seedlings.

J. H. H. BOYD, Gage, Tenn.

Please mention the American Florist when writing.

CALIFORNIA PRIVET.

	Per 1000
200,000 2 yrs., 2 to 2 1/2 ft., very bushy.....	\$20.00
150,000 2 yrs., 18 to 24 in., very bushy.....	16.00
100,000 2 yrs., 12 to 18 in., very bushy.....	10.00
200,000 1 yr., 12 to 18 in., branched.....	9.00
200,000 1 yr., 10 to 12 in., branched.....	7.00
100,000 Cuttings, 8 in., strong.....	.80
100,000 Cuttings, 8 in., light.....	.60

Also have a large stock in Asparagus Roots, 2 yrs.,
Palmetto and Barrs. 30,000 Canna Roots, 50,000
Tuberose Roots, 5,000 Geraniums, 2 1/2 pots, all good
stock and low prices. Write for trade list.

J. H. O'HACAN, Little Silver, N. J.

Please mention the American Florist when writing.

California Privet.

	Per 1000
25,000, 2 1/2 to 3 1/2 ft., very bushy.....	\$25.00
25,000, 2 to 2 1/2 ft., bushy.....	20.00
25,000, 18 to 24 in.....	16.00
20,000, Canna Roots, mixed, best sorts.....	12.00
5,000, Golden Elder, 2-yr., strong.....	60.00

All orders are for cash.

W. G. EISELE, West End, N. J.

Please mention the American Florist when writing.

**View of one of Our Blocks of
EVERGREENS.**



The Glenwood Nurseries offer the finest Trees both
**EVERGREEN and DECIDUOUS, FLOWER-
ING SHRUBS and VINES** OF ALL SIZES IN
GENERAL ASSORTMENT.

Root Pruned Specimen Evergreens also
smaller ones for lining out are a special feature at our
nurseries. Send lists of wants for estimates. New Trade
List Ready. We invite you to visit our Nurseries.

The WM. H. MOON CO.,

60 Miles from New York.
30 Miles from Philadelphia.

Morrisville, Pa.

Hardy Ornamental Stock Crown in the Most Northern
Nurseries in the United States.

Special Offers for Shrewd Buyers.

Ornamental Trees.

Ash, American.....	5-6 feet... 8c
Ash, ".....	4-5 feet... 7c
Birch, Paper or Canoe.....	6-7 feet... 20c
Birch, ".....	4-6 feet... 15c
Catalpa Speciosa.....	6-7 feet... 8c
Catalpa ".....	5-6 feet... 7c
Cottonwood.....	10-12 feet... 10c
Cottonwood.....	8-10 feet... 8c
Mountain Ash, European.....	6-8 feet... 12c
Mountain Ash.....	5-6 feet... 10c
Mountain Ash, Oak-Leaved.....	6-7 feet... 20c
Poplar, Golden.....	6-7 feet... 12c
Poplar.....	4-6 feet... 10c
Poplar, Silver.....	5-6 feet... 5c
Poplar, ".....	6-8 feet... 6c

Shrubs.

Altheas, Assorted.....	2-3 feet... 8c
Barberry, Purple.....	2-3 feet... 10c
Barberry, ".....	12-18 in. 5c
Currant, Red Flag.....	2-3 feet... 8c
Red Twig Dogwood.....	2-3 feet... 10c
Deutzia, Assorted.....	2-3 feet... 8c
Deutzia, ".....	3-4 feet... 10c
Golden Elder.....	3-4 feet... 8c
Purple Fringe.....	2-3 feet... 8c
Hydrangeas, P. G.....	2-3 feet... 8c
Hydrangeas, ".....	18-24 in. 6c
Snowberry, White Fruited.....	3-4 feet... 8c
Spiraea, Assorted.....	2-3 feet... 8c
Spiraea, Assorted.....	3-4 feet... 10c
Syringa, ".....	2-3 feet... 8c
Syringa, ".....	3-4 feet... 10c

Climbers.

Amp. Quinquefolia.....	1 year... 3c; 2 year... 4c
Amp. Veitchii.....	1 year... 5c; 2 year... 8c
Matrimony Vine.....	2 year... 4c; 3 year... 6c
Bitter Sweet, 3 to 4 ft., 2 year... 7c	

Herbaceous Plants.

Golden Glow.....	2c
Achillea, The Pearl.....	2c
Chrysanthemum, Max.....	3c
Coreopsis.....	2c
Hypericum.....	4c

And many others in great variety. Send for our special Wholesale List. CATALOGUE
FREE describing many new and valuable varieties.

L. L. MAY & CO., St. Paul, Minn.
NURSEYMEN, FLORISTS & SEEDSMEN.

Please mention the American Florist when writing.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

The Florists' Club bowling team met at the Geroux alleys Tuesday evening, March 22. Four games were rolled with the following scores. In the fourth Phil. Hauswirth distinguished himself by knocking over 210 pins. The ladies contributed much to the pleasure of the occasion:

Player	1st	2d	3d	4th
Stevens.....	144	137	140	155
Balluff.....	159	150	124	162
Scott.....	136	157	171	152
Essa.....	93	133	108	138
Asmus.....	131	155	170	177
Hauswirth.....	171	175	136	210
Winterson.....	191	165	138	116
Benesh.....	84	84		
Hoyt.....			155	131

LADIES.

Player	1st	2nd	3d
Mrs. Asmus.....	86	96	93
Mrs. Hauswirth.....	98	80	97
Mrs. Scott.....	76	74	56
Mrs. Winterson.....	87	138	77

At New York.

The brave bowlers of the New York Florists' Club were treated to an entertainment not down on the programme at the practice meeting last Monday night. It was "prize night" and the struggle for choice was on when a big longshoreman who was indulging in a little argument with the gentleman in charge of the third-dispelling station suddenly whipped out a big horse-pistol and began to give an imitation of a cowboy shooting up a town. Such a scamper! Pin boys and bowlers alike struck out for safety; one corpulent member took refuge behind a post which covered about one-third of his anatomy; one solitary individual stood his ground. It was Elliott, the auctioneer, whose nerve proved him well fitted for his business. The balance of the aggregation took their time about emerging and if the scores are a little weak in the last half the cause is evident. But this is the way the scores are recorded:

Player—	1st	2nd	3rd
Ford.....	160	147	163
Gibbs.....	109	155	133
Elliott.....	102	92	85
Frank.....	140	129	117
Lang.....	166	216	184
O'Mara.....	136	127	152
Shaw.....	145	127	101
Nugent.....	102	106	95

"Pity the Poor Blind Man."

The only place in Boston where green carnations, the latest novelty in the flower family, are to be found is the store of the well-known florist, ———. This is a rare flower and few of them have ever been raised. Mr. ——— says that it can only be produced at this season of the year, and in company with the shamrock makes a combination eagerly sought after by the followers of St. Patrick.—*Boston News.*

DENVER, COL.—Referee in Bankruptcy David B. Burns, announces that Curtis F. Redd, trustee of Miss Bessie Hortop's bankrupt estate, has sufficient money on hand to pay a first dividend.

To CAPITALISTS, INSECTICIDE, MANURE and SUNDRY MERCHANTS.

EXORS R. CAMPBELL,

Water Street, MANCHESTER, ENGLAND.

Has for sale outright the valuable AMERICAN PATENT RIGHTS of their apparatus for safely vaporizing Sulphur in greenhouses. The apparatus is meeting with enormous success in England, and is now the standard remedy for Mildew on Roses, Vines, Peaches, Chrysanthemums, Strawberries, Etc., Carnation, Cucumber, Tomato and other plant diseases; also the dreaded pest, Red Spider. The patent is most impervious and cannot be infringed or improved upon.

Any manufacturer of Manures, Insecticides or Sundries, buying this patent will prove it a GOLD MINE. It will sell in every greenhouse in America, and at the same time help to sell other lines. FULL PARTICULARS ON APPLICATION TO OWNERS.

The Following are a few of many Testimonials received:

Gentlemen:—I enclose cheque in settlement of account for Sulphur Vaporisers. I have given them a thorough trial and am more than pleased with the result.

Generally before housing my Show Chrysanthemum Plants, each one is laid on its side and well syringed with some kind of Fungicide, with the idea of destroying any Mildew or other disease. This is a tiresome and expensive item where several thousands of plants have to be so treated. With your Sulphur Vaporiser this is obviated, for after thoroughly vaporising the house every spot or Symptom of Mildew has disappeared. One variety was badly infected, and after the treatment mentioned I have been interested to note the gradual disappearance of the Mildew; the expanding blooms were in no way injured by the sulphur, and I consider the Vaporisers have already paid their cost.

W. J. GODFREY, Chrysanthemum Specialist.

From W. GIBSON, Fruiterer and Florist, 33 High Street,

Sandown, Isle of Wight, July 9, 1903.

Please send me another Patent Sulphur Vaporiser; I have found it very valuable in killing Mildew on Vines, "leaves and grapes" which it does most effectively, and though I have had a slight re-appearance since I first used the Vaporiser on June 7th, I find it just as easy to check as Green Fly, only the operation takes a little longer. Its effect on roses was very marked. I have a house of Roses that was never free from Mildew till I used the Vaporiser; now the Roses have long clean stems, and splendid foliage, which make the flowers worth as much again. I do not find it injures any plants, such as ferns, lilies, geraniums, etc. I shall do my best to make it known, as I am sure it will be a boon to all growers of Roses and Grapes.

W. GIBSON.

Extracted from Correspondence Column, HORTICULTURAL TRADES JOURNAL.

November 11, 1903.

SIR:—Your Worthing correspondent mentions that no cure has yet been found for the dreaded Cucumber Disease. My experience may be of use to growers. The Spot appeared in my second crop of cucumbers this season, and before I knew what it was (not having seen it before) had made considerable headway. I cut away the leaves attacked the most, and vaporized about 3 ozs. of sulphur with one of Campbell's Patent Vaporisers; the house is 70 ft. long, "about 4,000 cubic feet." This is about a fortnight ago. The Spot on the leaves slightly attacked has been completely killed, and no more of the disease has appeared up-to-date. I hold no brief for Messrs. Campbell's, but think their Vaporisers a grand patent, and no grower should be without them. I think if the Vaporisers were used about once a fortnight that the disease would not be seen at all. I don't think the Spot would attack the leaves through the sulphur. Anyhow, it is worth trying.

Yours faithfully,

E. H. E., Crawley.

CRAWLEY, Winchester, Hants, June 14, 1903.

I have used the Patent Sulphur Vaporisers for Mildew on Tomatoes with excellent results; they worked well. They will be a great boon to all growers and the most important aid to the destruction of Mildew in Vines and the various Fungoid Diseases affecting Tomatoes, Cucumbers, Etc.; in fact, they are invaluable wherever sulphur is used.

E. H. EVANS, F. R. H. S.

THE GARDENS, Trinity Cottage, Edinburgh, July 16, 1903.

I am pleased to say that I have been using your Patent Sulphur Vaporiser for several months past for Mildew on Roses. I can safely say that in my opinion it is the best thing yet invented for the use of sulphur on plant foliage; every particle is boiled off in steam, which lights like a dew thickly on the leaves. I have every reason to believe that I would have lost all the Roses with the Mildew by this time only for its use.

THOMAS LESLIE, Head Gardener.

ROYAL IRISH NURSERIES, Newtownards Co., Down, May 13, 1903.

Please send us another of your Patent Sulphur Vaporisers, and much oblige. We are very pleased with results obtained from that sent.

ALEX. DICKSON & SONS, LTD.

THE NURSERIES, Ware Road, Hoddesdon, Herts, July 15, 1903.

We have had your Sulphur Vaporisers in use in our Rose Houses for about three months, and it gives us great pleasure to state that they have given us complete satisfaction in preventing and destroying Mildew.

G. BECKWITH & SON.

SWAYTHLING, Southampton, August 4, 1903.

It is with much pleasure that I testify to the great utility of the Patent Sulphur Vaporiser as a cure and preventive of Mildew and kindred pests.

I have now used them for some months in Peach, Rose and Tomato Houses, also Vinery, and have never had my plants so clean and healthy. To the grower of all crops under glass they would be cheap at six times their actual cost.

W. J. WOODS, F. R. H. S.

MEOPHAN, Kent, July 23, 1903.

The two Sulphur Vaporisers I had from you a few months back, I am glad to say have proved themselves a great boon; I have tried them amongst Roses for Mildew and amongst Tomatoes for the spot, and in both cases they have proved satisfactory both in curing the Blights and more especially, in preventing them coming. Kindly send me two more at your earliest convenience, for which I enclose check.

PHILIP S. LADDS, Farmer and Fruit Grower.

—NEW ROSE—

General MacArthur.

HYBRID TEA.

Color by far the most brilliant of any shade of crimson forcing rose ever offered, retaining its brilliancy when fully expanded. It is also one of the sweetest varieties ever offered, of very easy culture, as it can be grown in the same temperature as an ordinary Tea variety such as the Bride. It is a good, strong, vigorous grower, producing stems 24 to 30 inches long, a free and continuous producer. It can be grown at much less cost than Meteor or Liberty and is a much brighter color than either. Also larger when fully expanded. We predict that this will be the red rose for the multitude. Ready for distribution April 1, 1904.

PRICES

From 2 1-2-inch Pots. Own Roots.		Grafted Plants from 2 1-2-inch Pots.	
\$ 6.00.....	Per Dozen	\$ 7.00.....	Per Dozen
10.00.....	Per 25	12.00.....	Per 25
15.00.....	Per 50	18.00.....	Per 50
25.00.....	Per 100	32.00.....	Per 100
57.50.....	Per 250	72.50.....	Per 250
110.00.....	Per 500	140.00.....	Per 500
200.00.....	Per 1000	260.00.....	Per 1000

—EXTRA STRONG 3-INCH STOCK AT \$4.00 PER 100 ADDITIONAL TO ABOVE FIGURES.—

NEW CASTLE, IND., Feb. 26, 1904.
 Our attention was called to the Rose Gen. MacArthur, three years ago, by the originator, who then had only the one plant. We liked its looks very much, and last year secured 25 plants from The Storrs & Harrison Co. for trial. We cut fine flowers from them all winter, and made 800 cuttings which we are growing this winter. We commenced cutting good flowers from them in November and have done so continuously ever since, it being distinctly a winter rose. At this date the bench is a fine sight. The plants are from two to three feet high, and are sending out flowering shoots which are most all one to two feet in length, although quite a number are three feet or more. It has the most beautiful large lustrous foliage, and most abundant of any rose we have ever seen. The flower is a brilliant red, and has a very fine odor. We find it the best Red Rose we have ever grown. While not as fine a flower as Liberty, with us it is much healthier and so much freer flowering that we prefer it. We have it growing in the same house as Bridesmaid.
 Yours truly,
 HELLER BROS.

The STORRS & HARRISON CO.
 PAINESVILLE, OHIO.

JOHN N. MAY,
 SUMMIT, N. J.

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....	\$.75	100 Plants and over and less than 1,000, each.....	\$.25
12 Plants, each.....	.60	1,000 Plants and over, each.....	.20
25 Plants, each.....	.50	3-inch pot plants, 5c each additional.	
50 Plants and over and less than 100, each.....	.30		

PRICES OF GRAFTED STOCK GIVEN ON APPLICATION.

JOHN BREITMEYER'S SONS,

Gratiot and Miami Aves., DETROIT, MICH.

SELLING AGENTS:
 ERNST ASMUS & SON,
 A. ROLKER & SONS,

MICHIGAN CUT FLOWER EXCHANGE,
 VAUGHAN'S SEED STORE,
 S. S. SKIDELSKY,

J. AUSTIN SHAW,
 CLUCAS & BODDINGTON CO.

ARRIVING

10,000 Hardy Roses

2-year old, 15 best varieties.

Tree Roses, IN COLORS.

Boston Ivy.

Clematis.

Japan Iris.

Canna Roots.

Dahlias.

Caladiums.

Pæonias.

Etc., Etc.

ALL A 1 STOCK.

Send for complete list.

E. F. Winterson Co.

E. F. Winterson. John P. Degnan. L. H. Winterson.

Successors to McKellar & Winterson.

45-47-49 Wabash Ave., CHICAGO, ILL.

CHOICE CRAFTED

ROSES

On Extra Selected English Manetti Stock. Ready April 1st.

BRIDE, MAIDESMAID, GOLDEN GATE, IVORY, FRANZ DEEGAN, } 2 1/2-inch pots.
 \$12 per 100;
 \$100 per 1000.
 \$18 per 100.

S. J. REUTER,
 WESTERLY, R. I.

Rooted Cuttings

BRIDE and BRIDESMAID \$1.50 per 100; \$15.00 per 1000, from carefully selected wood and well rooted.

L. B. CODDINGTON, Murray Hill, N. J.

American Beauty.

From bench, 1-year-old, cut back, \$10.00 per 100; \$90.00 per 1000. American Beauty, 2 1/2-in. pots, \$5.00 per 100.

Bride, Bridesmaid, Golden Gate, } 2 x 2 1/2-inch pots, \$3.00 per 100; \$25.00 per 1000.
 Forget-me-nots, 2 1/2-inch, \$3.00 per 100.

RHOTEN BROS. & CO., Box 5, Danville, Ill.

Grafted Roses 20,000 Brides and Maids.

These are on imported manetti stock and nothing but healthy, flowering wood being used. Price, \$120 per 1000.

WM. A. LEONARD, Lansdown, Pa.

It is good business policy to mention

The... AMERICAN FLORIST

When you write to an advertiser.



American Beauty.

Good Stock from 2 1/2-inch pots, \$5.00 per 100.

Also Cut Flowers in any quantity at Lowest Market Prices.

Good Stock of CHATENAY and SUNRISE in 3-inch pots, \$5.00 per 100.

HELLER BROTHERS, New Castle, Ind.

Please mention the American Florist when writing.

Cardinal New Roses Enchantress

Read Testimonials from two of the largest growers in Washington who have bought large number of plants after seeing them growing at my place.

WASHINGTON, Feb. 27, 1904.

Your new rose Cardinal came duly to hand, and we firmly believe it will have a great future and will certainly be a money-maker, as it is in a class all to itself, being superior in form and habit to anything that we have as yet seen. Your new rose Enchantress we also think will be a great money-maker, judging from its profuse blooming quality, as we have seen it several times in mid-winter. It cannot help being a winner. Wishing you every success, we remain,

Yours truly, A. GUDE & BRO.

AMERICAN ROSE COMPANY, 909 F Street, WASHINGTON, March 17, 1904.

Dear Sir:—We gave all the show possible to Enchantress and Cardinal, placing them in our window with placards, telling what they were. They kept a week, retaining their brilliant color to the last. Cardinal was as full of perfume the day the petals dropped, as when it was first cut. The roses are both matchless, and we believe destined to out-class all roses of their color for forcing under-glass.

Very sincerely yours, AMERICAN ROSE CO., per B. D.

	Per 100		Per 1000
CARDINAL, 2 1/2-inch pots.....	\$30.00	ENCHANTRESS, 2 1/2-inch pots.....	\$30.00
" " 3 -inch pots.....	35.00	" " 3 -inch pots.....	35.00

Not less than fifty sold at present. Cash with order. Stock limited.

JOHN COOK, 318 N. Charles Street, Baltimore, Md.

Please mention the American Florist when writing

GRAFTED ROSES On Dickson's Irish Manetti Stock.

Plants from 2 1/2-inch pots, \$12.00 per 100; \$100.00 per 1000.

KAISERINS—(Now ready.) BRIDES and BRIDESMAIDS. Order now as stock is limited.

AMERICAN BEAUTY ROSES, own root, strong plants from 2 1/2-inch pots, now ready. \$6.00 per 100; \$50.00 per 1000.

GARDENIAS. Strong plants from 2 1/2-inch pots for growing on for winter blooming. \$6.00 per 100.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

ROSE PLANTS.

STRONG STOCK, FROM 2½-INCH POTS.

UNCLE JOHN	Per 100	1000	Liberty	Per 100	1000
Mme. Chatenay.....	\$20.00	\$150.00	Bridesmaid.....	\$5.00	\$40.00
Sunrise.....	6.00	50.00	Bride.....	3.00	25.00
AMERICAN BEAUTY	5.00	40.00	Golden Gate.....	3.00	25.00
	6.00	50.00			

Rose Stock Plants. 2 YEARS OLD.

American Beauty.....	Per 100	1000	Sunrise.....	Per 100	1000
Liberty.....	\$8.00	\$70.00	LaFrance.....	\$8.00	\$70.00
	8.00	70.00		7.00	65.00

Rose Cuttings. WELL ROOTED, HEALTHY STOCK.

American Beauty.....	Per 100	1000	Golden Gate.....	Per 100	1000
Bridesmaid.....	\$3.00	\$25.00	Sunrise.....	\$1.50	\$12.50
Bride.....	1.50	12.50		3.50	30.00
	1.50	12.50			

CARNATION CUTTINGS. WELL ROOTED, NOW READY.

WHITE.		Per 100	1000	RED.		Per 100	1000	PINK.		Per 100	1000
Lady Bountiful.....	\$12.00	\$100.00	Crusader.....	\$10.00	\$80.00	Indianapolis.....	\$12.00	\$100.00	Enchantress.....	6.00	50.00
The Belle.....	12.00	100.00	Flamingo.....	12.00	100.00	Pres. McKinley.....	4.50	40.00	Mrs. Lawson.....	2.00	15.00
Reliance.....	10.00	80.00	Estelle.....	2.50	20.00	Mrs. Higginbotham.....	2.00	15.00			
Her Majesty.....	5.00	45.00	America.....	2.00	15.00						
Boston Market.....	4.00	35.00	Harlowarden.....	3.00	25.00						
VARIEGATED.		Per 100	1000								
Prosperity.....	\$2.50	\$20.00									
Marshall Field.....	6.00	50.00									
Mrs. Bradt.....	2.50	20.00									

We have all the standard varieties in addition to the above. Seed in your order now for "Fiancee" and "Cardinal" the two great Prize Winners, ready January 1, 1905. Write for special discounts on large orders of any of the above plants.

The Benthey-Coatsworth Company,
35 RANDOLPH ST., CHICAGO.

100,000 Grafted Rose Plants

We are now grafting on Manetti the above amount on all selected flowering wood. No Blind wood used at all. We offer for sale ready for delivery April 1st.

BRIDE AND BRIDESMAID, \$12.00 per 100; \$100.00 per 1000.
LIBERTY, \$15.00 per 100.

It you wish to grow better grade roses, give grafted stock a trial.

ROOTED CUTTINGS. The Very Best Commercial Varieties.

All of our cuttings are selected carefully and we try to see how good we can make them, not how cheap.

ROSES ROOTED CUTTINGS, Brides, Bridesmaids and Gates, \$1.50 per 100. Kaiserin and Perle, \$2.50 per 100.
CHATENAY ROSE PLANTS, 2½-inch pots, \$6.00 per 100; \$50.00 per 1000. Ready March 1.

CARNATIONS ROOTED CUTTINGS

WHITE.		Per 100	Per 1000	PINK.		Per 100	Per 1000	RED.		Per 100	Per 1000
Lillian Pond.....	\$3.50	\$30.00	Lawson.....	\$2.50	\$20.00	Red Bradt.....	\$2.50	\$20.00	Crane.....	2.50	20.00
Gov. Wolcott.....	3.50	30.00	Morning Glory.....	2.50	20.00	America.....	2.50	20.00			
White Bradt.....	2.50	20.00	Floriana.....	2.50	20.00	VARIEGATED.					
White Cloud.....	2.50	20.00	Enchantress.....	6.00	50.00	Prosperity.....	2.50	20.00			
Norway.....	2.50	20.00	Joost.....	2.50	20.00	Mrs. Bradt.....	2.50	20.00			

Yellow—Gold Nugget, \$2.50 per 100; \$20.00 per 1000. Maroon—Maceo, \$2.50 per 100; \$20.00 per 1000. Orders aggregating 250 or more will be billed at the 1000 rate. No order for less than 50 of one variety accepted. All cuttings and plants shipped from Hinsdale.

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2082 Park Ave. David S. Beach, Prop.

CARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the following varieties:

	Per 100	1000		Per 100	1000
Oriole.....	\$1.50	\$12.50	Joost.....	\$1.20	\$9.00
Partia.....	1.20	9.00	America.....	1.50	12.50
Lorna.....	1.50	12.00	Flora Hill..	1.50	10.00
W. Cloud..	1.50	12.50	Mrs. Palmer	1.50	12.50
Q. Louise..	1.50	12.50	Mrs. L. Ine	1.50	10.00
Prosperity	2.00	15.00			

ROSE CUTTINGS.

	Per 100	1000
Choice well-rooted stock.	\$1.25	\$12.00
Bridesmaid.....	1.25	12.00
Mme. Chatenay.....	3.50	30.00
American Beauty.....	3.00	22.50
Golden Gate.....	1.25	12.00

ROSE PLANTS.

	Per 100	1000
Strong stock in 2 1/2-in. pots.	\$2.75	\$22.50
Bridesmaid.....	2.75	22.50
Golden Gate.....	2.50	20.00
Bride, 3 inch, extra choice.....	5.00	40.00
Bridesmaid, 3-inch, extra choice.....	5.00	40.00
Stock Beaulieu, (2-year old).....	\$10.00	per 100
Stock Liberty, (2-year old).....	10.00	per 100
Asparagus Plumosus, 3-in. pots.....	\$5.00	per 100
Asparagus Sprenger, 3-in. pots.....	4.00	per 100

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center, Illinois.

Please mention the American Florist when writing.

ROSES.

We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2x2 1/2	2 1/2x3	3x3
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Bride.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	LaFrance.....	2.00	3.00	4.00	6.00
8	A. V. Kaiserin.....	2.00	3.00	4.00	6.00
9	Wootton.....	2.00	3.00	4.00	6.00
10	Belle Seibrecht.....	2.00	3.00	4.00	6.00
11	Pres. Carnot.....	2.00	3.00	4.00	6.00
12	American Beauty.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

We believe in shifting young Roses often. All stock offered in 2 1/2-in. pots have been shifted from 2-in. and are equal to most stock advertised as 3-in., and when we send it out is well established. Try our 3-in. size of **IVORY** at \$6.00. Have only 1,000 of this size left. Don't forget Boston and Pierson Ferns, Plumosus and Sprenger.

GEO. A. KUHLE, Pekin, Ill.

Please mention the American Florist when writing.

CARNATIONS

NOW READY. A FINE LOT OF HIGH GRADE CUTTINGS.

	Per 100	Per 1000
Enchantress.....	\$6.00	\$50.00
Lillian Pond.....	5.00	40.00
The Queen.....	5.00	40.00

Larchmont Nurseries,
Larchmont, N. Y.

Please mention the American Florist when writing.

CARNATION CUTTINGS

1,000 Queen Louise; 2,500 Flora Hill; 5,000 Mrs. Joost, \$1.25 per 100; \$10.00 per 1000. These cuttings are well rooted and free from disease. Cash with order or C. O. D.

W. B. GIRVIN, Leola, Pa.

Please mention the American Florist when writing.

CARNATIONS.

	Per 100	1000		Per 100	1000
CRUSADER, scarlet.....	\$10.00	\$80.00	ESTELLE, scarlet.....	\$3.00	\$25.00
FLAMINGO, scarlet.....	12.00	100.00	HIGHBOTHAM, light pink.....	4.00	30.00
LADY BOUNTIFUL, white.....	12.00	100.00	BOSTON MARKET, white.....	3.50	27.50
THE BELLE, white.....	12.00	100.00	MARSHALL FIELD, var.....	5.00	40.00
MOONLIGHT, white.....	10.00	75.00	ENCHANTRESS, light pink.....	5.50	50.00
INDIANAPOLIS, pink.....	12.00	100.00	HER MAJESTY, white.....	4.50	40.00
VESPER, white.....	10.00	75.00	PRES. MCKINLEY, pink.....	4.50	40.00
HARLOWARDEN, crimson..	4.50	40.00	GOV. WOLCOTT, white.....	4.00	30.00
LILLIAN POND, white.....	4.50	40.00	MRS. LAWSON, dark pink.....	2.00	17.50
DOROTHY WHITNEY, yellow.....	4.50	40.00	PROSPERITY.....	2.00	16.00
			FAIR MAID, pink.....	3.50	27.50

New Rose LA DETROIT, 2-inch, \$25.00 per 100.

BOSTON FERNS, 4-inch, ready for shift, \$15.00 per 100.

CHICAGO CARNATION CO., Joliet, Ill.

JAMES HARTSHORNE, MGR.

Rooted Carnation Cuttings.

To Make Room—Special low prices to April 1 on FLORA HILL and GUARDIAN ANGEL. Stock of the best quality.

PINK.				RED.			
	100	1000	5000		100	1000	5000
Mrs. Lawson.....	\$1.25	\$12.00	\$50.00	G. H. Crane.....	\$2.00	\$18.00	\$80.00
Mrs. Nelson.....	2.00	18.00	80.00	America.....	2.00	18.00	80.00
Guardian Angel.....	1.00	8.00	35.00	Palmer.....	2.00	18.00	80.00
Dorothy.....	1.50	12.50	50.00	Estelle.....	2.50	20.00	
McKinley.....	2.00	18.00	80.00	Harlowarden.....	3.00	25.00	
Ethel Crocker.....	1.25	10.00	40.00				
Mrs. Joost.....	1.00	8.00	35.00				

WHITE.

Flora Hill.....	1.00	8.00	35.00
White Cloud.....	1.25	10.00	40.00
Queen Louise.....	1.25	12.00	

LIGHT PINK.

Highbotham.....	2.00	18.00	80.00
Prosperity.....	2.00	18.00	80.00

ROOTED ROSE CUTTINGS.

	Per 100	1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50
Golden Gate.....	1.50	12.50
Ivory.....	1.50	12.50

2-INCH ROSE PLANTS.

	Per 100	1000
Bridesmaid.....	\$3.00	\$25.00
Bride, Perle.....	3.00	25.00
Golden Gate, Ivory.....	2.50	20.00

If stock not satisfactory will refill or refund money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

CRISIS

The **BEST** commercial scarlet Carnation on the market for 1905. Early and continuous bloomer. Color, the richest scarlet; blooms, three inches and over, and never bursts; stems, 24 to 30 inches long and very

stiff. We court investigation.

PRICES: \$2.00 DOZEN; \$12.00 PER HUNDRED; \$100.00 PER THOUSAND; \$95.00 PER THOUSAND IN FIVE THOUSAND LOTS.

DAVIS BROS., Bloomsburg, Pa.—

BLOOMSBURG, PA., Mar. 18, 1904.

Gentlemen:—Please hook my order for 5,000 of your new red carnation "Crisis." I have watched this carnation for the last three years and I believe it is the best red carnation in cultivation to-day. I sold several thousand blooms of this variety for you last year. It proved to be a good shipper and always gave satisfaction.

Yours very respectfully,

J. L. DILLON.

DAVIS BROTHERS CO., Bloomsburg, Pa.

Please Mention The American Florist When Writing.

THE CARDINAL

The Ideal Scarlet Carnation.

Queen of the Cincinnati Market. Winner at Detroit for the best 100 scarlet. Winner at Detroit S. A. F. Medal and Certificate of Merit. The only variety awarded a Certificate at Toronto, March 11.

The Cardinal is an improved Estelle, a large fringed flower, fine keeper, better color, stronger grower than Estelle. More free and never comes single. THE CARDINAL has been pronounced perfect. Raised by R. Witterstaetter, of Cincinnati, and Jas. Hartshorne, of Joliet, Ill., both of whom have watched it for 3 years.

Orders Booked Now for Delivery January 1, 1905, at the Following Rates:

\$12.00 per 100; \$100.00 per 1000; 2,500 at \$95.00, 5,000 at \$90.00, 10,000 at \$80.00 per 1000.

SEND ORDERS TO

CHICAGO CARNATION COMPANY,

WM. MURPHY,

James Hartshorne, Mgr, JOLIET, ILL.

130 E. Third Street CINCINNATI, O.

VAUGHAN'S SEED STORE,

S. S. SKIDELSKY,

84 Randolph St., CHICAGO, ILL.

708 N. 16th Street, PHILADELPHIA, PA.

CARNATIONS.

ROOTED CUTTINGS and PLANTS FROM SOIL.

Place your order at once for prompt delivery. Strong select well rooted stock of the following varieties:

Lady Bountiful and The Belle. The two largest and most prolific white carnations for 1904. Mrs. Patten, Judge Hinsdale, The President and Indianapolis, \$12.00 per 100; \$100 per 1000. A very profitable Novel Set—Bizarre, Mauvina, Neptune, Aureola and Senorita. Bright shades, odd colors and very attractive. \$10.00 per 100; \$75.00 per 1000.

Adonis, Harlowarden, \$6.00 per 100; \$50.00 per 1000. Pres. McKinley, M. Field, Mrs. Theo. Roosevelt and Gov. Lowndes, \$5.00 per 100; \$40.00 per 1000. Fine stock.

Good paying standard varieties: Apollo, Stella, Harry Fenn, Lorna, \$3.00 per 100; \$25.00 per 1000. Gov. Wolcott, and Dorothy Whitney, \$4.00 per 100; \$30.00 per 1000. Morning Glory, Gov. Roosevelt, \$2.50 per 100; \$20.00 per 1000.

Also other varieties than those mentioned above in the sand and ready in a short time.

F. DORNER & SONS CO., La Fayette, Ind.

Strongly Rooted Carnations

Grown out of doors and rooted without heat.

	Per 100	1000		Per 100	1000
Q. Louise	\$1.20	\$10.00	Cressbrook	\$2.50	\$20.00
P. Hill	1.20	10.00	Eldorado	1.00	9.00
Alba	2.50	25.00	Palmer	1.20	10.00
Wolcott	3.40	30.00	Apollo	3.50	30.00
Norway	1.00	9.00	Adonis	7.00	65.00
L. Pond	5.00	45.00	Manley	3.50	30.00
Chicot	1.00	90.00	Crane	1.20	10.00
V. Allen	3.00	25.00	America	1.20	10.00
Lawson	1.40	12.50	Harlowarden	5.00	45.00
Joost	1.20	10.00	M. Field	3.00	25.00
Mrs. R'svelt	6.00	55.00	Stella	3.00	25.00
Success	2.50	20.00	Armazindy	.90	8.00
P. McKinley	3.00	25.00	Gaiety	2.00	18.00
Prosperity	1.40	12.00			

25 at 100 rate. 250 at 1000 rate. One kind. We prepay express charges and will ship C. O. D. with privilege of examination.

LOOMIS FLORAL CO., Loomis, Cal.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES. ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CARNATION CUTTINGS.

	Per 100	1000
PINK.		
Enchantress	\$6.00	\$50.00
Morning Glory	2.00	15.00
Higinbotham	1.50	12.50
Lawson	1.50	12.50
Guardian Angel	1.25	10.00
Cressbrook	1.50	12.50
RED.		
Palmer	\$2.00	\$15.00
Estelle	3.00	25.00
Harlowarden	3.00	25.00
WHITE.		
Her Majesty	3.00	25.00
White Cloud	1.50	12.50
Flora Hill	1.50	12.50
Queen Louise	1.50	12.50
Norway	1.50	12.50

CHRYSANTHEMUMS.

	Cuttings 2-in. pot per 100	2-in. pot plts 100
WHITE.		
Timothy Eaton	\$2.00	\$3.00
Chadwick	2.00	3.00
White Bonaffon	1.50	2.50
Wanamaker	1.50	2.50
Geo. S. Kalb	1.50	2.50
Estelle	1.50	2.50
Robinson	1.50	2.50
Ivory	1.50	2.50
Merry Xmas	1.50	2.50
YELLOW.		
Golden Wedding	1.50	2.50
Golden Beauty	1.50	2.50
October Sunshine	1.50	2.50
Col. Appleton	1.50	2.50
Yellow Bonaffon	1.50	2.50
PINK.		
Mrs. Murdoch	1.50	2.50
Vivian-Morel	1.50	2.50
Mme. Perrin	1.50	2.50
Pacific	1.50	2.50

ROSE PLANTS.

	Per 100	1000		Per 100	1000
In 2½-inch pots.					
Bride	\$3.00	\$25.00	Meteor	3.00	25.00
Bridesmaid	3.00	25.00	Kaiserin	4.00	35.00
Ivory	3.00	25.00	La France	5.00	40.00
Golden Gate	3.00	25.00	Liberty	6.00	50.00

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.

51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Springfield, Mo.

This city was visited by the most destructive hail storm ever experienced on the evening of March 21. It came almost without a moment's warning and was over in a few minutes. Some of the hailstones were seven inches in circumference. The losses were exceptionally severe, as the following will show: W. A. Chalfant had 3,850 feet of glass broken out of 11,500 feet; Edward Quinn lost 7,500 feet out of 8,000; R. Koeppen lost 6,500 feet out of 8,000; the Summerfield Floral Company had 7,200 feet broken out of 7800 feet and Chas. Summerfield, the vegetable grower, lost 13,000 feet out of 14,500 feet.

The Chalfant range was all double strength glass, which accounts for the smaller proportion broken, as the storm was equally severe all over the city. To add to the distress, heavy rains set in and drenched the houses and on March 25 a cold wave sent the mercury to 25° causing a freeze in many of the houses. All were looking forward to a heavy Easter trade as the year had been very prosperous. Several firms have begun reglazing and in time the losses will be made good. C.

50,000 Well Rooted Carnations.

Cuttings now ready. Enchantress, \$6.00 per 100. Harlowarden, \$5.00 per 100. Lawson and Crane, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. ROSES, Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Roses From 2 1/2-inch pots.

1,000 Golden Gate, 1,000 Ivory, a few Bride and Bridesmaid. Fine stock, free from any disease at \$3.00 per 100. Guarantee stock all O. K.

FOSTORIA FLORAL COMPANY, FOSTORIA, OHIO.

ROSES.

10,000 Bridesmaid Cuttings, strongly rooted, \$1.50 per 100; \$12.50 per 1000. Bride, Rooted Cuttings, \$1.50 per 100; \$15.00 per 1000. Verbenas, Rooted Cuttings, 75c per 100; \$5.00 per 1000.

H. S. COURTNEY, Sparkill, N. Y. Please mention the American Florist when writing.

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100; \$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 20-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimsons. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc., C. W. Ward, Manager. QUEENS, L. I.

Always mention the American Florist when you order stock.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Lady Bountiful.....	12.00	100.00	Mrs. M. A. Patten.....	\$12.00	\$100.00
The Belle.....	12.00	100.00	Crusader.....	10.00	60.00
Indianapolis.....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Enchantress.....	\$6.00	\$60.00	Harlowarden.....	\$6.00	\$60.00
Estelle.....	4.00	30.00	Lillian Pond.....	5.00	40.00
Fragrance.....	6.00	60.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	Pres. McKinley.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00			

STANDARD SORTS.

	Per 100	Per 1000		Per 100	Per 1000
America.....	\$1.75	\$15.00	Mrs. F. Joost.....	1.75	15.00
Cressbrook.....	4.00	30.00	Mrs. H. N. Higinbotham.....	4.00	35.00
Flora Hill.....	1.75	15.00	Mrs. E. A. Nelson.....	4.00	35.00
Genevieve Lord.....	1.75	15.00	Mrs. Potter Palmer.....	3.00	25.00
G. H. Crane.....	2.50	20.00	Mrs. Thos. W. Lawson.....	2.50	20.00
Gov. Roosevelt.....	3.50	30.00	Norway.....	1.75	15.00
Larna.....	3.00	25.00	Prosperity.....	2.50	20.00
Marquis.....	1.75	15.00	Queen Louise.....	1.75	15.00
			White Cloud.....	1.75	15.00

DORMANT CANNAS. Strong 2-3 eyed bulbs. TRUE STOCK.

	Per 100		Per 100
Allemania.....	\$3.00	Mme. Louis Druz.....	\$ 2.50
Burbank.....	2.00	Mlle. Berat.....	2.50
Black Beauty.....	7.00	Mme. Crozy.....	2.00
Chas. Henderson.....	2.00	Monsieur Jarry Desingas.....	3.00
Duke of Marlborough.....	2.00	Mrs. Kate Gray.....	5.00
David Harum.....	6.00	Pennsylvania.....	5.00
Egandale.....	4.00	Red Indian.....	5.00
Leonard Vaughan.....	4.00	Secretaire Chabanne.....	2.00

CHRYSANTHEMUM PLANTS 2 1/4-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow. Timothy Eaton, mammoth white. Major Bonnaffon, yellow. Mrs. Perrin, pink. May Foster, white, fine for pot plants. Omega, best early yellow. John K. Shaw, early bright pink. Yellow Mrs. Jerome Jones, bright lemon yellow. Ivory, early white. Miss Agnes L. Dalskov, early pink.

CHOICE SORTS.

	Per 100
Estelle—Early white, good for cut flow-ers or pot plants.....	\$4.00
Marian Newell—Almost pure pink, very large	4.00
Columbia—Pink, lighter than Morel.....	8.00
Mrs. J. J. Mitchell—Clear cream color.....	4.00
Amorito—Bright satin pink, finely incurved	4.00

Vaughan's Seed Store, Chicago. GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

YOUNG ROSE STOCK...

	Per 100	Per 100		Per 100	Per 100
BRIDES.....2-inch, \$2.50; 2 1/2-inch, \$3.50			PERLES.....2-inch, \$3.00; 2 1/2-inch, \$4.00		
BRIDESMAIDS...2-inch, 2.50; 2 1/2-inch, 3.50			LA FRANCE.....2-inch, 3.00; 2 1/2-inch, 4.00		
IVORY.....2-inch, 2.50; 2 1/2-inch, 3.50			KAISERIN.....2-inch, 3.00; 2 1/2-inch, 4.00		
AM. BEAUTY....2-inch, 4.50; 2 1/2-inch, 6.00			WOOTTONS.....2-inch, 3.00; 2 1/2-inch, 4.00		
HERMOSA, strong, 2-year old.....	5.00		SOUPERT & HERMOSA.....2 1/2-inch, 3.00		

JAMES C. MURRAY, Peoria, Ill.

Carnations. SPECIAL LATE PRICES.

20 per cent reduction from list prices for cuttings ready now.

50 per cent reduction from list prices for cuttings ready April 15th.

Send for list of varieties at once.

ALBERT M. HERR, Lancaster, Pa.

Chrysanthemum Headquarters Poehlmann Bros. Co., Morton Grove, Ill.

Largest Growers of 'Mums in the country.

Our stock is in the hands of experienced men and always kept up to the top notch in quality. We have now ready most of the leading commercial varieties in R. C. or 2 1/4-inch. Orders hooked now for May, June and July deliveries will receive the benefit of selling price at the time of shipment. Our object is to grow the stock and to have plenty of time in which to take proper care of your order. This will simplify matters a great deal and give better satisfaction all-around. Have 3000 2 1/4-inch Merry Christmas that need shifting. Have no room. Quote them at \$18.00 per 1000; \$2.00 per 100. Write immediately.

Poehlmann Bros. Company, Morton Grove, Ill. AUG. POEHLMANN, Sec'y.

If You Have Stock to Sell...

the best way to make that fact known to the trade is by regular advertising in

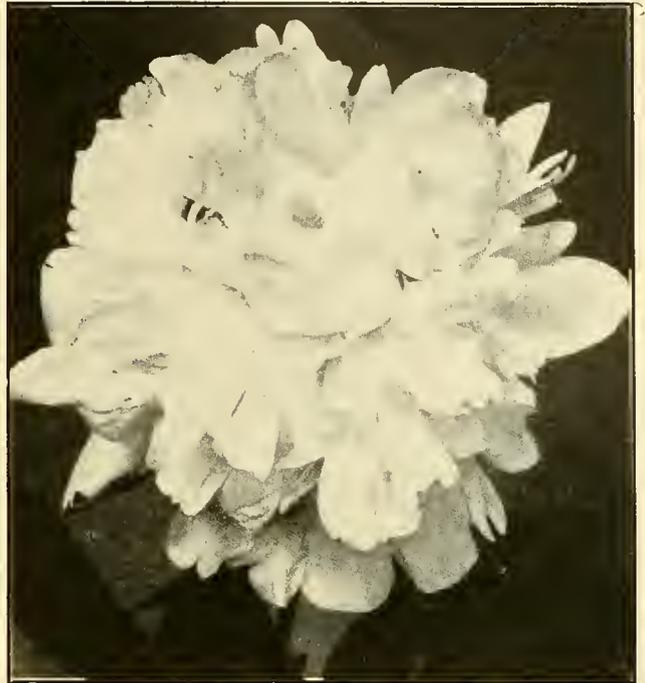
Give It a trial.

...The American Florist.

PEONIAS, DOUBLE HERBACEOUS

The following list of Peonias can be supplied from storage in strong divisions with from two to four eyes each in excellent condition for spring planting.

	Per doz.	Per 100
Andre Lauries, soft velvety red	\$2.00	\$15.00
Beaute Francaise, delicate pink tipped bluish	2.00	15.00
Christine, soft pink, shading lighter	1.50	12.00
Comte d'Osmonde, white with sulphur center	2.00	15.00
Coralie Matthieu, purplish red, golden anthers	2.00	15.00
Delicatissima, delicate rose, very fragrant	2.00	15.00
Doyen d'Enghlen, light carmine	2.00	15.00
Duke of Wellington, ivory white with creamy center	2.50	20.00
Eclatante, a fine dark crimson with golden anthers	2.00	15.00
Edulis Alba, a good double white	2.00	15.00
Elegans, soft pink	1.50	12.00
Elegantissima, bright pink	1.50	12.00
Faubert, bright purplish red	2.00	15.00
Festiva Alba, a fine standard white	2.00	15.00
Festiva Maxima, the fine and popular white variety for cut flowers	5.00	40.00
Formosa, white, tinted bluish and chamois in center	1.50	12.00
Fragrans, deep pink, shading lighter toward the edges	2.00	15.00
Golden Harvest, nearest approach to a yellow	2.50	20.00
Grandiflora Nivea, flesh, changing to white	2.00	15.00
" Rubra, extra large, blood red	2.00	15.00
Josephine Parmentier, rose with pink center, suffused salmon	1.50	12.00
Laetitia, flesh color	2.00	15.00
L'Esperance, a fine sweet scented rose	2.00	15.00
Lutea Variegata, rose, creamy center and rose colored tufts	2.50	20.00
Mme. Carpentier, salmon rose	1.50	12.00
Mme. Coste, creamy white, center petals, tipped carmine	2.00	15.00
Mons. Bellart, fine purplish crimson	1.50	12.00
Mons. Rousillon, rose with chamois center	2.00	15.00
Noblissima, rose with silvery border	2.00	15.00
Pomponia, large rosy pink salmon center	2.00	15.00
Pottail, rosy red	1.25	10.00
Reine des Flandres, late rosy red	1.25	10.00
" Hortense, delicate rose, chamois center	2.00	15.00
Rosea Elegans, lively rose	1.50	12.00
" Superba, an extra fine rosy pink	2.00	15.00
Rubra Triumphans, rich glowing center	2.00	15.00
Sapho, rosy red, lighter center	1.25	10.00
Triomphe de Gand, creamy white with yellow center	2.00	15.00
Victoria Tricolor, outer petals pale rose, mottled pink, center creamy white	2.00	15.00
Whitely Plena, semi-double bluish white, cream center	1.50	12.00



WE WILL SUPPLY ONE EACH OF THE FORTY VARIETIES FOR \$6.00.

DOUBLE HERBACEOUS PEONIAS TO COLOR.

	Per doz.	Per 100
Double White	\$1.25	\$10.00
Double Red	1.00	8.00
Double Pink	1.00	8.00
Double Crimson and Purple	1.25	10.00
Double Mixed, all colors	1.00	6.00

EARLY-FLOWERING HERBACEOUS PEONIAS.

Officinalis Rubra, rich crimson	1.00	8.00
Officinalis Rosea, soft pink	1.50	12.00
Officinalis Alba, bluish white	2.00	15.00
Tenuifolia fl. pl. or Fringe-Leaved, double crimson	2.00	15.00

JAPANESE SINGLE PEONIAS.

	Per doz.	Per 100
12 Distinct Varieties	\$2.00	\$15.00

JAPANESE TREE PEONIAS.

12 Distinct Double Varieties	each, 60c.; 6.00	45.00
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For a complete list of Hardy Perennials for which we are headquarters see our Current Wholesale List.

HENRY A. DREER, Philadelphia, Pa.

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ROSE PLANTS.

STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

AMERICAN BEAUTY	Per 100 \$6.00	1000 \$50.00	Per 100 \$3.00	1000 \$25.00
MME. CHATENAY	6.00	50.00	3.00	25.00
SUNRISE	5.00	40.00	3.00	25.00
KAISERIN	3.00	25.00	3.00	25.00
LIBERTY	5.00	40.00	3.00	25.00
MAID			3.00	25.00
BRIDE			3.00	25.00
PERLE			3.00	25.00
GOLDEN GATE			3.00	25.00
IVORY			3.00	25.00

ROSE CUTTINGS—Well Rooted.

IVORY	Per 100 \$1.50	1000 \$12.50	Per 100 \$1.50	1000 \$12.50
MAID	1.50	12.50	1.50	12.50
BRIDE	1.50	12.50	3.50	30.00
GOLDEN GATE			\$1.50	\$12.50
PERLE			1.50	12.50
SUNRISE			3.50	30.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		WHITE.	
	Per 100	Per 100	1000
MRS. LAWSON	\$1.25	\$3.00	25.00
MRS. E. A. NELSON	2.00	1.25	10.00
GUARDIAN ANGEL	1.25	1.25	10.00
MRS. HIGINBOTHAM	2.00	1.25	10.00
SYBIL	3.00	1.25	10.00
McKINLEY	3.00	1.25	10.00
JOOST	1.25	1.25	10.00
ROOSEVELT	3.00	1.25	10.00
RED.		VARIEGATED.	
ESTELLE	2.50	MRS. BRADT	2.00
MRS. INE	1.25		15.00
CHICAGO (Red Bradt)	2.00		
HARLOWARDEN	3.00		

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

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**EXTRA GRADE
Carnation Cuttings.**

READY TO SHIP.

We are supplying the following varieties with stock, guaranteed perfect in every respect at the following prices:

Pink Per 100 1000	White. Per 100 1000
Lawson \$2.00 \$20.00	Glacier \$2.00 \$20.00
Marquis 1.50 15.00	White Cloud .. 1.50 14.00
Joost 1.25 10.00	Flora Hill 1.50 12.00
Dorothy 1.50	Variegated.
Scarlet.	Prosperity 1.50 14.00
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Petunias. Double fringed. Ten novelties from Dreer's latest sets. Labeled. Strong R. C., \$1.25 per 100. **CASH.**

Geraniums. Best bedders in pink, crimson, salmon and scarlet, labeled, rooted cuttings, \$1.75 per 100.

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**NEW LIGHT PINK CARNATION
"NEW DAYBREAK"**

To the commercial grower who is looking for profit, this variety is all that its name implies, and will at once commend itself as the old Daybreak reincarnated without its faults. Color, true Day-break shade, of Daybreak and Scott extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms, large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper. Price, \$3.00 per doz.; \$12.00 per 100; \$10.00 per 1000. **OTHER NEW AND STANDARD VARIETIES.**

Chrysanthemums. The best American and foreign varieties and best standard sorts. Write for Price List.

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**NEW PINK CHRYSANTHEMUM
AMERICAN BEAUTY.**

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/2 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

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Jamaica P. O., Woodhaven Station.**

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	Per 100	Per 1000
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FAIRMAID	3.00	20.00
GOV. WOLCOTT	3.00	20.00
BOSTON	4.00	30.00
MRS. T. W. LAWSON	3.00	20.00

HENRY A. STEVENS CO., Dedham, Mass.

Rooted Carnation Cuttings

	Per 100
Enchantress	\$5.00
Queen	4.00
Fair Maid	2.50
Lawson	2.50

**H. F. LITTLEFIELD, WORCESTER,
MASS.**

Please mention the American Florist when writing.

Rooted Cuttings. Heliotrope, good varieties, \$1.00 per 100; \$8.00 per 1000. Coleus, all the best, 70c per 100; \$6.00 per 1000. Ageratums, Stella Gurney, 60c per 100, \$5.00 per 1000. Salvias, \$1.00 per 100; \$8.00 per 1000. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write **S. D. BRANT, The Clay Center Florist, Clay Center, Kansas.**

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Fine stock now ready on own roots.

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We are the headquarters for this class of plants and carry the largest and most complete assortment. Our collection embraces all the well known standard varieties, also the most desirable American and Foreign novelties. We will gladly give practical advice to those who contemplate using these plants.

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Finest white Carnation on Market this year; flowers 3 in. to 3 1/2 in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

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Enchantress	6.00		Queen Louise	2.50	20.00
McKinley	4.00	30.00	Mrs. Bradt	2.50	20.00
Estelle	4.00	30.00	Flora Hill	2.00	15.00
Nelson	3.50	30.00	Mrs. Joost	1.50	12.50

CASH. NO C. O. D.

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CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL	\$2.50	\$20.00	PERU	3.00	25.00
THE SPORT	2.50	20.00	WHITE CLOUD	2.50	20.00
MRS. LAWSON	3.00	25.00	AMERICA	2.50	20.00
MRS. HIGINBOTHAM	3.00	25.00			

ROSE CUTTINGS.

BRIDE	\$12.50 per 1000	IVORY	\$12.50 per 1000
BRIDESMAID	12.50 "	GOLDEN GATE	12.50 "

Lots of 500 at 1000 rate.

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Wholesale Cut Flowers,

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MME. CHATENAY.

A superb, pink rose, freer and stronger than Bridesmaid, easy to grow and an ideal shipper. Will cut 40% selects. See Chicago cut flower quotations. Chatenay is selling for more than any other tea rose. Supply limited. Cash with orders. Fine healthy stock, \$6.00 per 100; \$50.00 per 1000. Ready now.

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CONFIDENCE is that which induces you to send us your order. We try to keep the confidence of our patrons by sending out such stock that we feel will give satisfaction. As our growing capacity has been doubled by the addition of our new establishment at Edgebrook, Ill., we are in a better position than ever to send out good stock. If we do not already enjoy your patronage we hope to be favored with a trial order.

KENTIA BELMOREANA.

Pots.	Leaves.	In high.	Per Doz.	Per 100
3-inch,	4-6	10-12.....		\$15 00
4-inch,	5-6	15-17.....	\$4.00	30.00
5-inch,	5-6	18-20.....	7.50	60.00
6-inch,	6	22-24..... Each..	\$1.00	
6-inch,	6-7	24-27..... Each..	1.25	

KENTIA FORSTERIANA.

4-inch,	4-5	20-22.....	\$1.00	\$30.00
5-inch,	4-5	24-27.....	7.50	60.00
6-inch,	5	26-30..... Each..	\$1.00	
10 inch, made-up,		56-62..... Each..	6.00	

ASPARAGUS PLUMOSUS NANUS.

2-inch, \$3.00 per 100, 3-in.. \$8.00 per 100; 4-in., \$12.00 per 100.

LATANIA BORBONICA.

Pots.	Leaves.	In. high.	Per Doz.	Per 100
5-inch,	4-6	16.....	\$ 5.00	\$37.50
6-inch,	5-6	18.....	7.00	£0.00
7-inch,	7-8	16-20.....	12.00	

ARECA LUTESCENS.

4-inch,	3	14-16.....	3.00
5-inch,	3	20-25.....	5.00
6-inch,	3	26-30.....	9.00
7-inch,	3	32-36... Each..	\$1.25
8-inch,	3	42-48... Each..	3.00

ASPARAGUS SPRENGERI.

2-inch, \$3.00 per 100; 3-in., \$6.00 per 100; 4-in., \$10.00 per 100.

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ASPARAGUS SPRENGERI, \$2.50 per 100; 3-inch pots, \$3.50 per 100.
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KENTIA BELMOREANA, strong bushy, 3-inch pot plants, \$12.00 per 100; 4-inch pot plants, 15 inches high, \$30.00 per 100.
COCOS WEDDELIANA, 3-inch pots, 10 inches high, \$15.00 per 100.

CARNATIONS.

Strong pot plants from selected cuttings. Per 1.0
Enchautress..... \$6.40
Mrs. Lawson..... 3.00
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White Cloud..... 2.50
Flora Hill..... 2.50
George H. Crane..... 2.50
Dorothy..... 3.00
Gov. Roosevelt..... 3.00
Mrs. Higginbotham..... 3.50
Prosperity..... 3.50

LEMON, American Wodder, \$3.00 per 100.
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MOONFLOWER (Ipomea Grandiflora), \$3.00 per 100.
Headquarters for best stock of **Oormant Hybrid Perpetual, Moss, Crimson Rambler and Tree or Standard Roses.**

Rhododendrons, Azalea Mollis, Clematis and a full line of Hardy Shrubs, Vines and Plants.

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Strong Foot Pieces, averaging two to three eyes.

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DUKE OF MARLBOROUGH,
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Unless noted \$2.00 per 100; \$18.00 per 1000.

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With Easter drawing near and good business the past month the prospects for a prosperous spring trade are promising.

Mr. Rau, superintendent of the city park, is a very busy man now.

N. O. W.

60,000 CANNAS

In first-class shape. 30 best varieties, true to name from \$1.00 per 100 up. Send for price list.

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RUBBER PLANTS, 15 to 25 cents each.
1,000 VINCA VARIEGATA, extra heavy 4-inch pots, \$8.00 per 100. Rooted Carnation Cuttings. Write for prices.

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LARGE STOCK. LOW PRICES. READY TO RETAIL.
Per 100
2½-inch.....\$ 4.00
3-inch..... 8.00
4-inch..... 12.00
5-inch..... 25.00
6-inch..... 40.00
Please note special low prices on smaller sizes.

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PIERSON FERNS VERY TRUE STOCK.

Strong 2½-inch stock.....\$ 8.00 per 100
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Strong rooted runners..... 5.00 per 100
Cash with order. Satisfaction guaranteed.

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WYNCOTE, PA.

Areca Lutescens

Kentia Belmoreana

Kentia Forsteriana

For our prices see page 551, Nov. 7th issue.

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PIERSON FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

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Full plants, \$25.00 to \$50.00 per 100. In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.
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Dracaena Indivisa, 3-inch, strong, \$8.00 per 100.
Kentias, Ficus, Coleus, R. C., red, yellow and black, \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000; 60c per 100.

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Asparagus Plumosus Nanus

2 1-2-inch stock in fine shape at \$3.00 per hundred.

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REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.
DRACAENA INOIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.
ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.
BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.
ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.
GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Salleroi, \$2.50 per 100.
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GLADIOLUS BULBS, fine mixture, \$1.00 per 100.
2½-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow. Single and Double **PETUNIA, HELIOTROPE**, Golden Gate and Bridesmaid **ROSES, DRACAENA INDIVISA, VERBENA, LEMON VERBENA**, \$2.00 per 100.
CASH OR C. O. D.

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Per 100
Lalania Bor., 2-in. pot, seed leaves... 3.00
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" " 5-in. pot, 18-20 in., 3-4 chr. lvs. 15.00
" " 5-in. pot, 20-24 in., 4 chr. lvs. 20.00
Kentia Bel., 2½-in. pot, 8-10 in., 2-3 leaves... 12.00
" " 2½-in. pot, 15-18 in., 3-4 leaves... 15.00
" " 3-in. pot, 15-18 in., 4-5 leaves... 18.00
" " 3-in. pot, 18-24 in., 5-6 leaves... 20.00
Asparagus Sprengerii, 2-inch..... 32.00
" " 3-inch..... 3.00
Asparagus Plumosus, from flats..... 1.75
" " 2-inch..... 2.50
" " 3-inch..... 4.00

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One-year-old from flats, 2-inch, 3 and 3½-inch, 1c, 2c, 3c, 5c, each. All fine and need repotting. Cash with order, please.

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ROSES, from 3-inch pots, **In Best**
CARNATIONS, for all delivery, **CHRYSANTHEMUMS,** **Varieties**
SMILAX, VIOLETS.

Prices Low. Send for List.

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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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FOR GERANIUMS.
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Fumigating Kind Tobacco Powder
KILLS ALL APHIDS IN ONE NIGHT
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Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, fresh and clean, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. Poles 2 to 5-in. at butt, any length required. H. R. AKERS, Chatsworth N. J.

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Easter is over and you have made money (if you handled our Easter Specialties). **HERE'S ANOTHER CHANCE.** Spring parties, engagements and weddings are now in order and it's about time to start on Immortelle and other emblematic work.

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We have New Baskets in styles without number and a wide range of material, Wheat Sheaves, best in the country for the money, Immortelles, Capes and other Dried Flowers and Preserved Foliage in variety, Cycas Leaves and Wreaths, Pot Covers, Matting, Crepe Paper, Doves, Wire, etc., and a splendid stock of New Metal Designs and Porcelain Flowers. All in quality and at prices that defy competition.

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The Supreme Court of Pennsylvania has granted a perpetual injunction against the Jones & Laughlin Steel Company restraining the company from operating its furnaces in Soho. The ore dust which was emitted was very destructive to vegetation, and especially so in Schenley Park, where many valuable trees and flower beds were ruined.

The Pittsburg Florists' Exchange temporarily rented a large store room on Diamond street in which to handle the Easter business which will be very large.

The Pittsburg Cut Flower Company states that distant buyers show large increases in their purchases and a very successful Easter business is anticipated.

Over ninety men are employed in the Phipps' Conservatories preparing for Easter.

W. L. Campbell is having splendid success in the disposing of his gladioli bulbs.

Lincoln I. Neff's display of tulips, hyacinths and azaleas is very attractive.

John Bader has received a large importation of box trees. E. L. M.

Lansing, Mich.

The recent floods in this vicinity practically destroyed the establishment belonging to Smith & McDowell. A part of one greenhouse was washed away and on Saturday morning the water stood in all of the houses up to the eaves. Smith & McDowell bought the plant belonging to C. J. Fitzsimmon last fall and have shown a great deal of enterprise during the winter. On Tuesday they opened a store uptown with a full line of Easter flowers, among which will be Easter lilies and plants rescued before the flood entered the houses. I. C.

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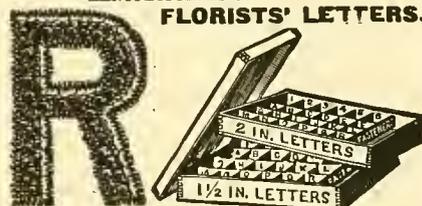
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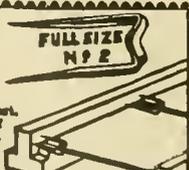
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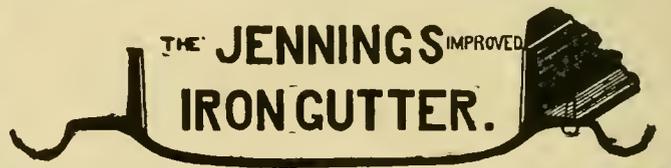
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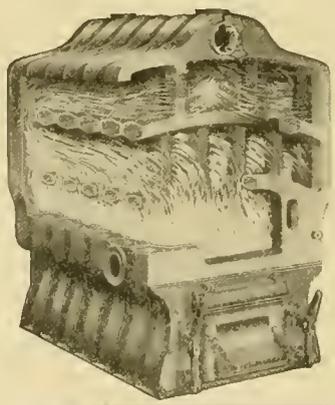
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THE AMERICAN FLORIST



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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Annual convention and exhibition, November, 1904. FRED H. LEMON, Richmond, Ind., secretary.

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• THE EASTER TRADE. •

REPORTS from all parts of the country indicate that it was a record Easter in many respects. It is gratifying to note that few decreases in the volume of business from that of Easter 1903 are reported; in fact, where a decrease existed it may be attributed to unfavorable weather or other purely local conditions. Supplies, especially in large growing centers, were adequate to the demands. Roses and carnations were generally of very high quality and the prices stood firm throughout the week preceding the Sunday holiday. A noticeable feature of the trade everywhere was the situation in bulb stock, which was reported a glut almost universally. Violets in the east were in great favor, while in many western centers they were no factor whatever. The usual heavy retail trade in fancy boxes, baskets and bouquets was carried on. Few novelties worthy of particular mention were noted.

That the plant is working its way deeper into popular favor as a holiday flower was proved by the sales this year. In many places it was only after all the bright colored flowering plants were exhausted that the cut flowers were recognized by the buyers. The favorite Easter lily plant was in grand supply everywhere. There were few complaints as to the quality of the stock. Azaleas, hydrangeas, genistas and cinerarias also came in for a large patronage.

Brief trade reports from various sections of the country follow. They express unbounded satisfaction and indicate that the trade everywhere is in a thriving condition.

BINGHAMPTON, N. Y.—S. G. Ellis reports a satisfactory business. Prices ruled somewhat higher than last year. All stock, plants and cut flowers were in good supply.

LANSING, MICH.—Ida L. Chittenden says that this Easter's business eclipsed that of last year. Plants were in great demand and bulbous stock was well cleaned up.

MONTREAL, CAN.—Nothing unusual in the trade here, except that lily plants were scarce. There was a good call for hydrangeas and white hyacinths, says B. T. Graves.

WINONA, MINN.—The usual Easter business was transacted. The supply was not up to the demand, the stock being cut short by a week of cloudy weather before Easter.

HELENA, MONT.—Everything in the plant line, except lilies, was plentiful. The weather was ideal, making an excellent Easter business, reports the State Nursery Company.

HAGERSTOWN, MD.—Nothing out of ordinary in Easter business says Henry Holzapfel. Good fancy carnations were the leading sellers and American Beauty roses also sold well.

DAYTON, O.—H. H. Ritter found nothing exceptional in the trade. The weather

was cold and disagreeable, interfering greatly with a rushing business. All lines were in good supply.

ALLEGHENY, PA.—Sales about same as Easter, 1903, but general prices somewhat lower this year. Azaleas were in good demand. G. & J. W. Ludwig report a satisfactory trade.

EXETER, N. H.—Slight improvement over Easter 1903, prices the same, stock plentiful and roses in great demand, writes G. W. Hillard, proprietor of the Exeter Rose Conservatories.

LAWRENCE, KAN.—C. M. & S. E. Luther found Easter business about as usual, with a slight increase in prices. In some lines there was a shortage in supply. Many lilies were sold.

ANACONDA, MONT.—R. M. Creig reports Easter business this year about on a par with last year. Plants and cut flowers were equal to the demand. Roses and carnations were the big sellers.

NEWPORT, KY.—Easter business was not up to the standard, T. Windram noticing a ten per cent decrease from that of last year. Roses were the scarcest item and all other lines were full.

KALAMAZOO, MICH.—A nice increase in value of sales, reports the Central Michigan Nursery. There was a fair demand for lilacs, Crimson Rambler roses and lilies. New plants eagerly sought.

PITTSFIELD, MASS.—John White is conservative and doesn't estimate much of an increase in business. Any kind of a plant, well grown, especially lilies, sold readily. Carnations were the best sellers.

LEAD, S. D.—A brisk Easter demand cleaned up all stock and the total sales beat those of last year by sixty per cent. Lily plants and in fact everything in bloom sold readily, reports Alexander Rose.

UTICA, N. Y.—Everything in good supply and the Easter business was on a par with Easter 1903. There was a splendid demand for orchids and no one had enough for the call, writes William Mathews.

TORONTO, CAN.—Violets and American Beauty roses were the only scarce items. Everything sold well, especially plants. Easter business was better in point of sale values than last year, report Wm. Jay & Son.

SIoux FALLS, S. D.—In the opinion of M. M. Strong everyone handled at least twenty-five per cent more business than last year. Plants, except lilies, were in good supply. The latter were not of the best quality.

LITTLE ROCK, ARK.—Both plants and cut flowers were not enough to meet the calls for them. Lilies and azaleas were the favorite plants. Tipton & Hurst report a good trade, with last year's prices ruling.

GENEVA, N. Y.—The Union Street Greenhouse Company states that the retail sales were about double those of last year. Carnation prices were one-fourth higher. Plants and cut flowers all cleaned up well.

ROCHESTER, N. Y.—John B. Keller's Sons report a slight increase in sale values over last Easter. Azaleas and lily plants were the leading sellers. The weather was unfavorable all week, keeping down the sales.

SEDALIA, MO.—Gelven & Son say that the call for potted plants is getting smaller every year, carnations carrying away the principal Easter trade. The Easter business this year was on a par with that of 1903.

AUGUSTA, GA.—Jules Rival found Easter business very satisfactory, the increase over last year being twenty-five per cent. Harrisii lilies were short of the demand, especially those in pots. White roses were in heavy demand.

FREEMPORT, ME.—John Burr puts the increase of Easter business over last year at ten per cent. Cut flowers and plants were all cleaned up and many more could have been sold. A good demand was noted for small plants.

SAVANNAH, GA.—The demand here kept ahead of the supply and everyone was kept on the jump. White roses and carnations were very scarce. Most of the lilies were late and more than forty per cent poor, writes John Wolf.

PINE BLUFF, ARK.—The buyers here were not particular, anything in plants and cut flowers selling readily. Not enough plants to meet the calls. The business averaged as good as Easter 1903, writes Mrs. C. A. Starr.

STILLWATER, MINN.—The supply and demand were evenly balanced, writes Frank Berry, lily plants being the only scarcity. Business better than last year and total sales larger. Carnations and bulbous stock had the lead over roses.

SALT LAKE CITY, UTAH.—Generally speaking, business was better than last year, with plenty of good stock. Lily plants sold readily. Muddy streets made deliveries difficult and slow, reports the Salt Lake-Huddart Floral Company.

PAMONA, CAL.—O. Roessner reports business the same as last year with prices about 10% better. The supply of both cut flowers and plants was not large enough to meet the demand. Few cut flowers outside of carnations were sold.

CAMDEN, N. J.—Total sales were at least thirty per cent greater than Easter 1903, says C. W. Turnley. Lily plants sold for 20 cents per flower. Small plants were in great demand. Violets were short in supply. Roses did not sell so well.

WILKESBARRE, PA.—Better stock was demanded by the buyers this year than last and there was plenty of it in supply. Everything in plants and cut flowers was cleaned up and Ira G. Marvin says business was twenty percent better than last year.



The Late George Fancourt.
(See issue of April 2, page 438.)

BAKER CITY, ORE.—A most satisfactory Easter trade is reported by Ira B. Sturges, who figures the increase over last year at twenty-five per cent. Every plant was cleaned up as well as all cut flowers. Greens were greatly in demand.

COUNCIL BLUFFS, IA.—Total sales and prices did not differ materially from Easter 1903. Carnations were somewhat short. Bulbous stock sold slowly. A noticeable demand for plants in preference to cut flowers, especially in J. F. Wilcox's retail place.

MANSFIELD, O.—Florists have chalked up a nice fat forty per cent increase in sale values over 1903, although prices were about the same. Easter deliveries were difficult to execute on Saturday owing to rough weather, writes the Berno Floral Company.

OWATONNA, MINN.—Prices were 33 $\frac{1}{3}$ per cent higher than last year but the long and cold winter cut the net profits. Buyers are growing more conservative each year. L. P. Lord says that cut

flowers were short of the demand but that plants were plentiful.

LOUISVILLE, KY.—Greater volume of business, better prices and a good supply in all lines made the Easter business here most satisfactory. Home grown cut flowers were short, as were lilies. The trade of Jos. Coenen & Company was about twenty-five per cent over that of last year.

WATERTOWN, N. Y.—Carnations and violets were much in demand but roses were slow. On Easter Sunday there was two inches of snow and the mercury stood 10° below the freezing point. A. Stoeckle reports business as good, however, fully twenty-five per cent better than in 1903.

PEORIA, ILL.—James C. Murray says that business averaged up about the same as last year although all prices ranged from ten to fifteen per cent higher. Good stock was scarce in both plants and cut flowers. Fancy carnations sold at good prices and were in great demand.

TROY, N. Y.—Geo. T. Sambrook & Son report a satisfactory increase in the total sales in money value, although prices were the same. Strange to say violets, which were a glut in so many western cities, were far short of the demand. A good call was noted for azaleas, lilacs and lily plants.

YOUNGSTOWN, O.—This place is not in line with the increase reported almost everywhere. Walker & McLean say that the ten per cent decrease was caused by the cold, raw weather prevalent two days before Easter. The stock, which was in good supply, was of a higher quality than last year.

DENVER, COL.—The Park Floral Company reports twenty-five per cent increase over last year's business. Plants and cut flowers were in good supply, with the exception possibly of American Beauty and Liberty roses. The trade ran largely toward plants, cut flowers cutting less of a figure than ever before.

NEW LONDON, CONN.—Everything passed off satisfactorily. Prices probably averaged lower than 1903. A good plant trade was handled. Carnations and violets were leaders and lily plants enjoyed a remarkable run. Two rainy days preceded Easter, otherwise everything would have been short, says H. H. Appeldorn.

WICHITA, KAN.—No great increase was noted here. The prices ranged about on a par with last year and the plant supply was able to meet the demand, excepting possibly lily plants. Cut flowers were somewhat scarce. Bulbous stock moved slowly. The weather was fine and numerous medium priced sales were recorded, write W. H. Culp & Company.

JAMESTOWN, N. Y.—A satisfactory increase of twenty-five per cent over that of Easter 1903 was enjoyed by the florists here although the prices were about the same. The Lake View Rose Gardens had 18,000 pot lilies sold March 30 and they had a call for 5,000 more. Crimson Ramblers sold well and everything in cut flowers was plentiful except carnations.

ANNISTON, ALA.—The usual Easter business in point of total sales, prices and supply, writes J. Ulbricht. He also states that a great drawback to the florist there is the fact that at Easter, early or late, the woods are full of crab-

apple trees, rhododendrons, dogwood, etc., all in full bloom. Every one gathers these flowers, even the church people, and the florist suffers.

OGDEN, UTAH.—F. J. Hendershot estimates the Easter business as fully 100% better than last year. There was enough of all stock to go around. Hyacinths and valley sold slowly but there was great activity in roses, carnations, lilies and violets. A number of Denver wholesalers canvassed the city and sold holly, etc., to the grocers, who cut on the trade with the extra supply.

AURORA, ILL.—The total sales over Easter of 1903 average 10 per cent, although even better business was expected. Violets and carnations were short and more small plants could have been used. Bulbous stock sold only after fresh carnations and roses gave out. Pickled stock couldn't sell even in preference to bulbous stock. Joseph M. Smely enjoyed a good business.

SYRACUSE, N. Y.—Some dealers think there was an advance, others a decrease in this Easter's trade. No shortage existed in any line. Flowering plants led in sales. Cut roses were not in favor. The weather was bad, causing a loss of twenty-five per cent in sales. L. E. Marquisee thinks that the increasing display of Easter gifts in the stores doubtless reduces the popularity of flowers as gifts.

THE PEONY.

Peonia Lutea Franchet.

In the midst of the recent floral splendors at Ghent a hardy plant attracted the attention of connoisseurs, a herbaceous peony, with flowers of a beautiful golden yellow, clear, bright and pure in color. The plant was exhibited by Victor Lemoine & Sons. It seemed a little eclipsed by the striking colors of the new azaleas and by the very beautiful bromeliads of M. Duval, but those who were alive to good things—and notably all the reporters for horticultural papers—placed the new peony as a plant worthy of the attention of the judges who gave it the highest award in their power. Emile Lemoine has written as follows regarding this plant in the *Revue de L'Horticulture Belge*:

Among some seedlings from seed sent to the Jardin des Plantes at Paris by the abbe Delavay years ago was found this new woody, yellow flowered peony.

In an interesting article accompanied by colored photographs Louis Henry, eleven years later, related how the Museum of Natural History at Paris having received seed of this poppy from the abbe Delavay, set out to raise and flower some plants. The packet was labeled: "Alpine plant seed received upon the Che-Te-Hotze below Tapin-tze, October 15, 1886." It contained twenty-six common looking seeds, of which, planted upon their arrival, three seeds germinated May 28, 1888. The first flower opened in early June, 1891. The following year it flowered again and was shown by Professor Maxime Cornu before the National Society of Horticulture of France at its session of June 9. In 1893 it was again shown on May 25.

Successful grafting and seeding enabled the museum to distribute young plants to various botanical establishments, notably to the Kew Gardens, and the Botanical Magazine gave a description of it in 1901 with a colored plate. A



PEONIA LUTEA FRANCHET.

plant and some grafts were sent to Lemoine & Sons, who introduced it in 1902.

It is a small, smooth shrub forming clumps reaching three feet in height, and produces new shoots from the roots freely. The stalks are woody and more or less persistent with grayish bark. The leaves are large, composed of three leaflets which are divided nearly to their bases of a deep green above, pale or glaucous green below. The flowers are solitary upon their peduncles and two or three are produced by each branch. The slender peduncles, clear green or bronze, are often stimate or horizontal. The corolla measured from two to three and a half inches in diameter; petals, six to eleven; color, the beautiful lustrous yellow of the caltha. The numerous golden yellow stamens form a dense ring around the three to five greenish yellow carpels. The flowers appear regularly in early June; that is when the tree peonies are done blooming and a little ahead of the herbaceous peonies; they are agreeably fragrant. The seeds are large, round, a little angular, deep brown, variable in

number and enclosed in the carpels, which remain green and fleshy, not becoming dry.

This peony is a variable species. There are two distinct forms already. One has branches, petioles and nerves of the leaves of a reddish brown, stems green up to the leaves, flowers two to two and one-half inches, with six to eight petals of a brilliant yellow, a little late in flowering. The other has bronze leaves when first opening, then passing to deep green, as do the branches and petioles, large flowers three and one-half inches, nine to eleven petals of a bright yellow, filaments reddish brown, and a little early in opening its flowers. The first variety has been distributed; the last is the one shown at the late exposition in Ghent, which was a pot grown young plant and does not give a full idea of what a larger plant grown in the open would be. The plant has proven hardy but it will be wise to protect it with a few leaves. Ordinary garden soil suits it and it is easily grafted on the roots of the herbaceous peony or can be increased by dividing the old plants.

Popularizing the Peony.

[George C. Watson of Philadelphia, Pa., before the Massachusetts Horticultural Society, April 2, 1904.]



I suppose it is not every day you have a chance to look at a Philadelphian. I can assure you it was quite a wrench for me to drag myself away from my desk at this busy season, but I am proud to claim that I am half a Bostonian myself, and I really could not resist the temptation. In my early days I sat for five years under the shadow of Fanueil Hall, and I know of no better place to absorb the grand traditions of the gardening achievements of Boston than in the vicinity of that time honored building. I learned there to appreciate the great names in the gardening history of Boston, from the Endicotts and Fanueils and Fessendens and Brecks down to the Wilders and Hoveys, Olmsted and Harrises and many others that I do not think of for the minute.

When I settled in Philadelphia some sixteen years ago I soon found that they also had a roll of honor in the gardening world of which they were proud. They had their Bartrams, their Marshalls, their Pierces, their McMahons, and later their Buists, their Landreths, their Meehans, and many others who had added greatly to the achievements of gardening in that locality. There was, therefore, a strong bond of amity between the two centres of gardening in North America, each appreciating what the other had done and basking in the sunshine of a cosmopolitan glory which they claim as a common heritage. You can, therefore, appreciate my feelings when your secretary, Mr. Rich, asked me to come to Boston and talk peonies to you. I told him that I was not confident that I could make the subject interesting but that I could talk all day and still, perhaps, not tell them very much on the subject. I am not a peony expert by any means and do not pretend for a moment to consider myself in the same class as a Terry, a Richardson, a Hovey or a Thurlow. I am merely a lover of this king of border flowers, an onlooker whose delight and wonder at the amazing development of what may be termed the modern peony is unbounded and who takes an equal delight in trying to impart some of this enthusiasm to others.

Although my official connection with the S. A. F. Peony Association, which had its inception at the Asheville convention in 1902, might lead some of you to expect that I would say something about the nomenclature of the peony, I may state that that matter is only in its

initiatory stage and it will take a long time before definite results can be obtained. A nucleus of a test collection has been formed in Fairmount Park, Philadelphia, and this will be added to from time to time. The number of varieties planted out is small as yet and the effort can only be termed a step in the right direction so far.

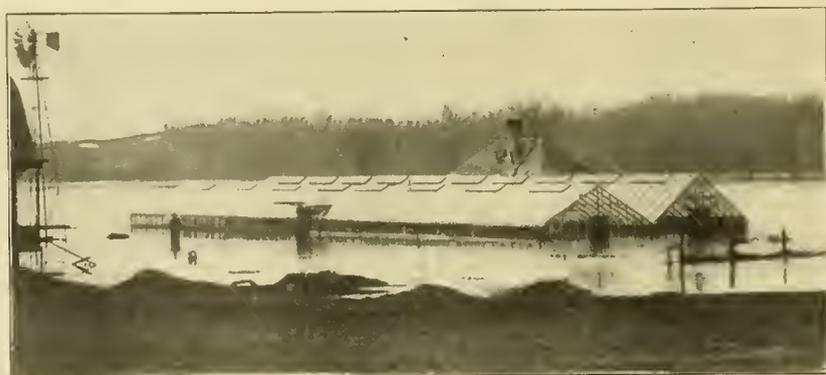
But the matter of nomenclature though important need not hinder efforts to still further popularize the modern peony by exhibitions, by lectures, by writings in the horticultural press or by any other means that may suggest themselves. For although the past ten or fifteen years have witnessed a great increase in public favor, it is as yet nothing to what the merits of the subject entitle it. Mention a peony to the average owner of a garden and nine times out of ten the flower that rises to his mind's eye is the old double red of our grandmother's garden—very good in its way but without fragrance, or size or form and not to be compared with the gorgeous, many colored, fragrant masses of bloom which go to the make-up of the modern varieties.

One reason why more peonies are not grown is the comparative slowness of reproduction as compared with roses and other popular flowers. These latter can be quickly raised from cuttings and when quite small lend themselves admirably to that magnificent medium for spreading a love of flowers among the people, the mail order catalogue. If "twelve-for-a-dollar" of young plants of the modern peonies could be sent broadcast over the land through the mails as is done with roses there would be less necessity for societies like yours or enthusiasts like myself making efforts to tell the people about the gorgeousness and fragrance of the new peonies. The catalogue man would do the work for us and far quicker and better too. But we have to depend on root division, etc., for propagating the desirable varieties and good pieces with two or three eyes cost a great deal more to produce than a young rose plant. As for new varieties these are raised from seed and four or five years must elapse before they are judgeable. From a commercial standpoint the peony is emphatically not the plant for small capital and quick returns. It takes money, time and patience to get results; but when the results are obtained what a glorious reward for the efforts expended!

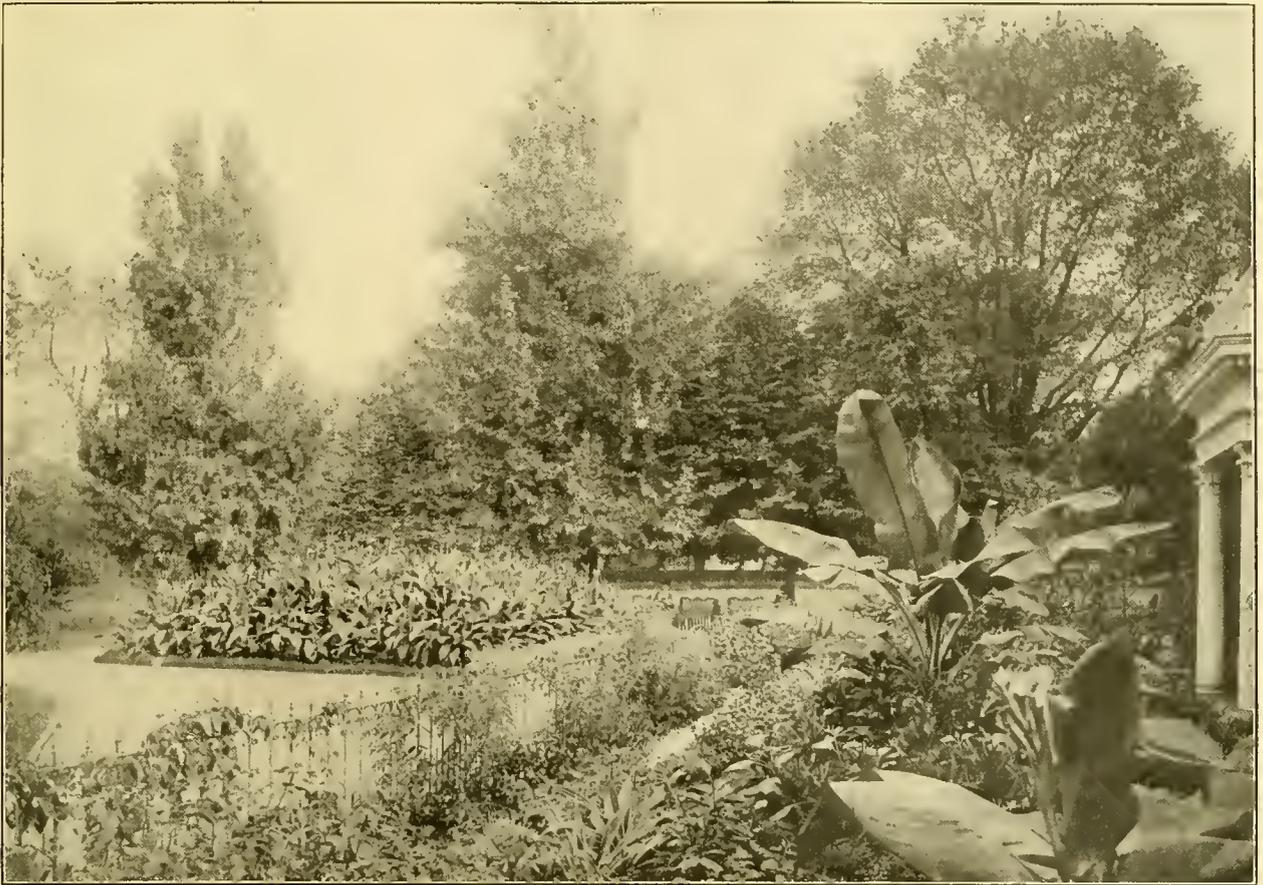
In a wild state the peony family consists of some twenty-five distinct species. Baker's monograph of 1884 enumerates twenty-two, that of R. Irwin Lynch in 1890 gives twenty-five. The latter authority was of the opinion that our modern garden forms originated mostly from two of these species, namely, *P. albi-*

flora, a native of Siberia, and the European *P. officinalis*. Some few are traceable to *P. peregrina*, a native of Southern Europe, two or three to *P. tenuifolia*, a Russian species, and considerable influence is also attributed to two double forms imported from China, *P. Reevesi* and *P. Pottsi*. These last two are termed "hybrids of *Sinensis*" by Verdier of Paris, who achieved prominence as a disseminator of new peonies about 1838. According to Mr. Paul the first raisers were M. Lemon Pere, of Porte St. Denis, Paris, 1824; M. Jacques, gardener to King Louis Philippe, at Neuilly, 1824, whose collection passed on to his nephew, M. Victor Verdier; and M. Guerin, Paris, 1837. M. Lemoine, of Nancy, and M. Keteleer, of Paris, were also prominent raisers of peonies from the beginning of their culture. Lemoine refers to the rich collection of the Prince de Salm Dyck, at Soulange Bodin, near Paris, which he saw in 1842. A most distinguished French raiser was M. Calot, of Douai, who inherited the Comte de Cussy collection and continued the collection and production of seedlings to 1872, when the collection passed into the hands of M. Crousse, of Nancy, who did much to bring the standard up to the high mark our collections have now attained. M. Buyck, the raiser of the celebrated *Festiva Maxima*, and M. Parmentier, of Enghien, were among the prominent workers on the peony in Belgium in the early days. In England little had been done with the peony up to 1850 when Salter began his collection. Kelway started hybridizing in 1864 and his his energy and long continued enterprise in raising and distributing improved forms has done much to popularize the peony. In 1884 Kelway catalogued 250 varieties; of these sixty-three were new, single, and forty-one new double, of his own raising. Kelway's exhibit at the Royal Horticultural Society's show that year, according to Richard Dean, "greatly astonished old fashioned gardeners who could look back to the time when only about twenty, all told, species and varieties, were known in cultivation." Barr, Hooper, Paul and others were also prominent among the English horticulturists who did good work on the peony.

In America, so far as I have been able to learn, there are but few names prominent as raisers of new varieties. Among the first of whom I find mention is that of H. A. Terry, of Iowa. Mr. Terry writes me that he commenced growing peonies in 1858, getting his first stock from Prince, of Flushing, thirty varieties including *Humei*, *Pottsi*, *Reevesi*, *Fragrans*, *Count of Paris*, *Festiva Maxima*, *Lutetiana*, *Edulis superba*, *Plenissima Rosea*, *Queen Victoria*, etc. Most of the thirty produced seed freely and Mr. Terry soon had thousands of seedlings, but he says that generally not five in a thousand would be worth propagating and often not one. He has now a fine collection of some 200 choice varieties of his own raising. Mr. Terry is of the opinion that *Festiva Maxima* is still the best all around white, and for pink he thinks there is none much better than *Plenissima Rosea*. Grover Cleveland is his best dark crimson. Of fancy colored varieties he names *Carrie*, *Esther*, *La Reine*, *Mrs. Pleas*, *Maude*, *Hutchinson*, *Stephania* and *Variegata*. "I am now in my 78th year," says Mr. Terry, "and do not know how long I will continue to grow peonies, but I want to be surrounded with them as long as I live. They are like my children, very dear to me." I have heard *Morning Star*, one of



GEORGE CONKLIN'S GREENHOUSES IN HIGH WATER AT GRANDVILLE, MICH.



VIEW IN THE BOTANIC GARDEN, WASHINGTON, D. C.—NO. 1.

his seedlings, highly spoken of. It has light delicate outer petals and the inner ones radiate like star rays from the center. Said to be a most lovely, fragrant and winsome flower. His Mrs. Harrison is also a fine one with deep red outer petals, center delicate pink. Mrs. Sarah E. Pleas, of Indiana, has also been an ardent worker in raising new varieties for many years. Her variety, Golden Wedding, is unique and beautiful.

Your own Richardson was also a noted raiser of new varieties. His work I have no historical data concerning, but presume it must have been done during the 60's and 70's. The records of your society would tell. His variety Rubra Superba is considered by many to rank in its color with the celebrated Festiva Maxima. One of its most valuable characteristics from a commercial standpoint is its shipping and keeping qualities. A large shipper of cut peony blooms to the Chicago market, who handled last season over 300,000 peonies of the best varieties of the day, states that Rubra Superba is the best shipper and keeper of all. Richardson's Perfection, Dorchester, Grandiflora and Norfolk are also very fine varieties. Hovey, Ellwanger, Peterson, Barry, Pentland, Thurlow, are also among the American names that should be added to the roll of honor as enthusiasts if not actual raisers of new varieties and there are doubtless others that I do not think of for the minute. Mr. Harrison and Mr. Rosenfield are doing splendid work in the west in popularizing the thoroughbred peony. All through the great west and northwest the people are becoming enthusiasts and are finding the peony a much more satisfactory plant

than the rose. Mr. Rosenfield, of Nebraska, has been quite successful in raising American seedlings. One of the best is Blushing Maid, a light blush, late, very fragrant.

Around Chicago quite a number of large plantations have been formed for the sale of the cut blooms alone and they are reported as profitable. The peony is a good keeper when cut at the proper stage in the bud and they not only ship well long distances but can be kept in cold storage for weeks, and will open up beautifully when wanted and with the colors more perfect and delicate than if they had been allowed to open on the plant.

Now as to the varieties. I am frequently asked the embarrassing question as to which are the best twenty-five or fifty out of the hundreds and hundreds of fine new kinds now in commerce. I have tried it, on a few occasions, and each time I almost wish I hadn't. If, for instance, I should name Magnifica, some one will be after me as to which Magnifica. There at least two of that name. If I name Princess of Wales there are at least three of them, and so with many more. I used to make copious notes of the exhibits at your Boston shows, including the grand collection of Mr. Thurlow in its heyday. I have visited good collections when in flower and spent many delightful hours notebook in hand. I have grown a few good ones myself and what I have been innocent enough to praise as good in the past, I at least thought so, however mistaken. But I agree in advance that my list can be improved on by better judges, and I submit same with a meekness exceeding the meekness of Moses and am perfectly

satisfied to have it corrected on the shortest notice. For Massachusetts the four early flowering kinds namely: *P. tenuifolia plena* and the three colors of *P. officinalis* are indispensable, as they flower in May and are welcome even if they are not large or fragrant. Among the June flowering I think I am fairly safe in mentioning the following:

WHITE.

Duke of Wellington	Alice Julocourt
Festiva Maxima	Grandiflora Nivea
La Tulipe	Baroness Schroeder
La Vestale	Helene Leslie
Marie Lemoine	Madame Dupont
Duchess de Nemours	Viscountess Folkestone
Noemie Demay	Triomphe de Paris

PINK.

Belle Doualssiene	Madame de Vetry
Caroline Allain	Paganini
Delicatissima	Princess May
Duchess of Sutherland	Humei Carne
Eugene Verdier	Rosea Grandiflora
Faust	Alexandre Dumas
General Bedeau	Glorie de Patrie
Leonie	Josephine Parmentier
Madame Breon	Reine des Fleurs
Lady Bramwell	Washington

DEEP ROSE.

Dr. Bretonneau	John Fraser
Abel de Pujol	Sir Charles Dilke
	Etendard du Grand Homme.

DEEP CRIMSON.

Rubra Superba	Rubra triumphans
Marshal Macmahon	Delachei
Souv. d'Auguste Mieliez	Louis Van Houtte
	Francois Ortegai.

The foregoing fifty are all medium priced varieties that can be purchased at from 25 cents to about \$1 each. Many of the extra fine new ones have not been included on account of their high price. Very few of ordinary planters care to pay \$2.50, \$3.50 or \$5 a root for the very latest, most of them preferring to wait until the prices have become more reasonable before adding them to their collections.

In regard to the culture of the peony I prefer to leave that to more experienced and competent hands than my own. In a general way the details are known to all of you or can readily be found in your library. If I have been able to interest you in these rambling notes on this magnificent flower, which is now commencing to again take its true place in our gardens, I am happy and hope you will immediately resolve to plant a worthy collection of the grand modern varieties.

Washington Botanic Garden Notes.

The large palm house is at present an unrivaled picture of tropical verdure. In contemplating these gigantic specimens of the various popular florists' species one gets a conception of their beauty never afforded by the small plants with which we are familiar. Mr. Smith has been long deeply interested in the study of temperatures best suited to these plants and has been especially devoted to an effort to demonstrate the advantage in culture at a much lower degree than is usually given. One house is kept at a very low temperature for this purpose and in it are most of the cocoses and kentias, all the araucarias, all the green foliaged dracenas, *Corypha australis*, the arecas and many other things less familiar, all showing a sturdiness and a verdure far surpassing those in the hot houses and here scale and other troublesome insects are almost unknown. Mr. Smith cites as an example in support of his views the fact that the first specimens of *Cocos australis* brought across the Atlantic were actually killed by being put into a stove house. He sees in *Areca glandiformis*, listed by Nicholson as a

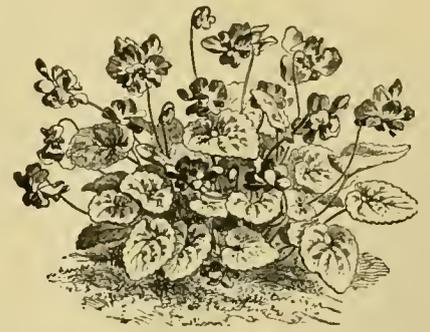
handsome stove palm, a fine subject for cool house culture well adapted for florists' use, seeds being readily obtainable in Jamaica. *Dracena Rossiana latifolia* is another subject pointed out as having qualities fitting it for commercial uses.

About fifty varieties of roses are under cultivation in the new rose house and the plants are in splendid vigor. This house is 25x70, erected by Lord & Burnham Company. Three summer views in the garden are presented herewith. No. 1 shows the planting in front of Mr. Smith's residence. In the rear are seen fine specimens of the cut-leaved and the plain *Salisburia adiantifolia* and the "winged elm," *Ulmus alata*. No. 2 is a view of one of the ornamental grass beds, the tall *Arundo donax* making an effective central figure. No. 3 shows a magnificent specimen of *Rhapis humilis* which does better here, Mr. Smith avers, than in its tropic home.

BRYN MAWR, PA.—The greenhouses of James Rawle were partly destroyed by fire on March 13.

NEW ORLEANS, LA—One C. L. Bresford is wanted in New Orleans. He claims to have come from San Francisco, is 26 to 28 years of age, buys liberally from various local florists and fails to settle. He disposes of the stock to private buyers.

SALEM, O.—Joseph E. Bonsall has sold his greenhouses to Graves & Reisch, of Beloit, O., who took possession immediately after Easter. O. W. Bundy who held the position of foreman with Mr. Bonsall will retain that place with the new firm.



Growing Violets.

[Paper by E. Y. Pierce, read before the New Bedford Florists' Club, Bedford, Mass., March 10.]



In the first place get good clean plants or cuttings, and get them early enough to plant the rooted cuttings in the field by the last of April, in good strong soil with plenty of room to work them. Keep the weeds from the plants by frequent hoeing, and as they attain a good growth, the runners will appear and they should be looked after, and cut off close with a sharp knife. It throws the strength back to the plant that would otherwise go to the runners, and make a large straggling plant of little use.

After the plants have become large enough to plant in the house, which they should be by September, the house should be made ready. If they are to be grown on benches the earth should all be taken out, the boards washed off clean and a good coat of hot lime wash applied to the sides and bottom of the bench. In



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filling the bench the earth should be of a friable nature, two parts of well rotted sod and one part of old cow dressing mixed well together. Six or seven inches of soil is about the right depth for bench growing. The plants should be taken up with a good ball of earth so as not to disturb the roots more than is necessary, and planted as soon as possible to prevent drying the roots. They should be planted eight inches apart each way, which I think is far enough, watered thoroughly, and if very warm they should be shaded a little for a few days. Give them plenty of air at all times, day and night, until frosty weather, and then moderate air and water according to the weather.

After the first watering do not wet the foliage, especially in the cold short days of winter. Keep the earth moist but not too wet. In growing them cool it is best to keep them a little on the dry side, rather than the wet. I notice that green or black fly do not disturb them as much when grown moderately cool about 42° at night, and 58° by day with plenty of air. Of course there are times when the sun is very warm and the thermometer will go up higher, but it can be kept at 65° which will do no harm. If warmer than that, however, it will induce a soft growth which is to be avoided. My rule is to keep them as near an even temperature as possible. After they have been growing two or three months, I find it helps them to have a little dressing water once a week. Cow dressing, I think, is best, but not too strong at first. Another essential thing is to keep the earth well stirred; it is a good preventive of spot and other diseases.

In growing violets in a solid bed the conditions are the same as bench growing as far as temperature, air and water are concerned. The bed should not be less than twelve inches deep but eighteen to twenty-four inches is better. If possible there should be eight or ten inches of stone or cinders for drainage, and the earth should be prepared in the same way as for benches, only care should be taken to firm the soil well by tramping lightly over the surface so that when watering the earth will not settle much from the plants. When planting great care should be taken so as not to cramp the roots. Make the hole large enough to take the roots comfortably and press the soil around the plant firmly. Plant deep enough but do not bury the crown, by doing which you will cause many of the small buds to rot, consequently shortening the period of flowering. As the weather becomes warmer I think it is a good plan to slightly shade the house with thin lime wash. This keeps the flowers from burning and fading, which they will do if the strong sunlight is directly on them.

In growing the different varieties care should be taken to find out the kinds your customers like the best. If you retail your flowers it is well to have both double and single; if you sell at wholesale I think it is as well to confine yourself to only one kind, so as to give it special care. The most productive kinds I have grown have been Princess of Wales, single, and Lady Campbell, double. Although I have grown a number of other kinds I have found more profit in these.

SHREWSBURY, MASS.—Two greenhouses belonging to E. A. Bartlett, the boiler house and tool house, were destroyed by fire on the night of March 26. Loss, \$20,000, with no insurance.



RHAPIS HUMILIS IN THE BOTANIC GARDEN, WASHINGTON, D. C.—NO. 3.

PALMS AND FERNS.

Sundry Palm Notes.

The revision of plant names that has given us archontophenix as the proper generic name for *Seaforthis elegans* and *Ptychosperma Alexandræ*, while it may be eminently correct, will probably do little to familiarize the general public with plants, from the fact that few will attempt to pronounce it or to inquire for a plant with such a polysyllabic title. Two handsome and easily grown palms may thus be more neglected as the years run on, until at some future period some bright advertiser may translate the unwieldy name into "Majestic Phoenix" or other catchy title, then offer "a limited stock of this sterling novelty" at a good round price per plant and he will doubtless turn a trick, securing a good profit on the stock in question. In the meantime we may recall that both these palms are still in the market, though in probably less supply than they were some ten or fifteen years ago. In a small state there is quite a great deal of similarity between the *seaforthis* and *ptychosperma*, the seed leaves of each being simply bifid, but by the time they are large enough for a five or six-inch pot there is noted more of a distinction, the foliage of the *ptychosperma* having more sub-

stance and the young fronds having a chocolate or reddish tint as they unfold, while those of *seaforthis* are usually green. Both these palms are rapid growers and fresh seeds germinate very rapidly also, so much so that I have seen the ground beneath a fruiting specimen of *seaforthis* completely covered with a close undergrowth of seedling plants without any special effort on the part of the cultivator. Young plants of both *Ptychosperma Alexandræ* and *Seaforthis elegans* may be grouped together very effectively, this method producing a much better furnished plant in a six-inch pot than it is possible to have in the form of a single specimen in that sized pot. This same method may also be used with a large centre plant and a number of young plants grouped around it, thus covering the bare stem of the larger plant. In the more tropical portions of our country these palms are also used for outdoor ornamental gardening with good results, their long primate fronds giving much the same effect as that secured by the use of the Royal palm, *Oreodoxa regia*, in Honolulu, Havana and Rio Janiero, the famous avenues of which have been so often pictured, and which would unquestionably be a source of delight to many of our northerners could we but have them here or even see them.

The *oreodoxas* are another genus that

is but little grown among commercial growers, for while the young plants of this genus are readily had from seeds and grow very rapidly, yet the foliage is rather soft and not well adapted for decorative usage. It is one of the half dozen or so species of this group, *O. oleracea*, that is the true Cabbage palm of the West Indies, one of the tallest of the palms when fully grown, and is said to sometimes reach the great height of one hundred and seventy feet, having a perfectly straight stem crowned with a number of its long pinnate leaves. The cabbage, so-called, comprises the cluster of immature leaves in the heart of the tree, and its removal naturally results in the destruction of a noble specimen, a price that would seem to be too great to pay for a mere pot of vegetables, though frequently indulged in by the West Indians. *Oreodoxa regia* is perhaps the most common species in cultivation, though *O. Sancona* is also found in some collections, the latter being a smaller grower, slender and graceful in habit, and the young leaves of a chocolate red when unfolding. None of the members of this genus present any special difficulty in culture, a strong loam for compost, a night temperature of 60°, moderate shading and an abundance of water being the essential points to be observed. *Euterpe edulis* was used to be grown to some extent many years ago, but in all probability one would have to make diligent inquiries among growers of the present day in order to secure one hundred plants of this palm of a given size.

This is also a slender growing pinnate palm of moderate dimensions, its height in its native home in Brazil being given as thirty to forty feet, and from the fact that it is found growing in the greatest profusion in swamp land near the rivers it is natural to assume that a plentiful supply of water should be given it when under cultivation in our greenhouses. *Euterpe edulis* is one of the many useful palms to the natives of Para, owing to its fruits being edible, the pulp of the latter being macerated in warm water, then strained and sweetened, and after being mixed with a certain proportion of cassava flour being said to be highly nutritious and to form a large part of the daily food of many of the natives.

Another genus of American palms, of which comparatively few specimens are seen in cultivation, is the *chamædoreas*, some of the members of which extend up into Central America, and one or two are said to be found in Mexico. The *chamædoreas* are comparatively dwarf in habit, the leaves very slender and cane-like, and the leaves pinnately divided, some of them having narrow leaflets, of which *C. graminifolia* is a good example, while others have extremely broad leaflets, in some cases the leaves being little more than bifid, this condition being more noticeable in the case of a young plant. Of the broad leaved species, *C. Ernesti-Augusti* is perhaps the best example, and is really one of the most ornamental of the genus, this palm having quite large, dark green leaves, and seeming to hold its foliage better than some of the other species. Under cultivation the *chamædoreas* mature earlier than the majority of palms and it is not unusual to see a plant in an eight or ten-inch pot producing flower spikes from the axils of the leaves, these being followed in the case of a female plant by small round berries or fruit that are usually bright yellow or orange in color when ripe, the male and female flowers being produced upon different

plants. The foliage of the *chamædoreas* is rather thin and does not bear the exposure of decorating very well, in consequence of which they are more appreciated in a private collection than for commercial purposes. The chief insect enemy of these interesting palms is red spider, a pest that soon finds them out unless the plants are kept in a moist atmosphere and well syringed, while in the matter of soil and temperature they may be well managed in company with *Areca lutescens*.

The climbing palms, or rattans, of which the various species of *calamus* are the best representatives, are also little used commercially as decorative plants, their foliage being easily damaged and their vigorous spines being also somewhat of an objection, though the dried stems of these palms are used in vast quantities in the form of rattan canes and furniture. In the Malay peninsula, where most of the *calamuses* are found, these palms climb through lofty trees by means of the thorny extension of the midrib as well as the strong hooked thorns that extend all down the leaf stems, and sometimes form a serious obstruction to travel in those tropical forests. The western representatives of the rattan palms are found in the form of the *desmoncuses* in several species that are natives of tropical South America and some portions of the West Indies, these latter presenting much the same characteristics of stem, thorns and leaves that have been noted in the *calamus*, but differing from them in the flowering portions. All are warm house plants, requiring a temperature of 70° and abundant moisture.

W. H. TAPLIN.

THE CARNATION.

Preparing the Soil.

The soil for the coming season's planting ought to be attended to during the next week or two or as soon as it is in condition to be properly worked. Many of the most up to date carnation growers commenced to make preparation last fall by ploughing up and stacking their soil so that it is by this time thoroughly rotted and in the right condition to be easily handled. After you are satisfied that you have enough of the soil and of the right texture for your requirements the next thing is to get together a good pile of medium rotted manure. By medium rotted I mean that it should have enough life and strength to impart richness enough to the soil to last for a considerable time. It is at all times good policy to keep a little on the safe side in your judgment when applying manures, but at the same time we must bear in mind that we are laying the foundation for next season's results and it will not do to be over-cautious by using manure that is so thoroughly rotted that its strength has gone out and it is only useful as a potting material. Many growers claim that the cause of stem rot can be traced to using too much manure that is not rotted enough, but it has been my experience that if compost is made at this time, and the manure thoroughly incorporated with the soil, and a little common sense used, there will not be much danger from that source. On some places they do not mix the soil and manure into compost heaps but prefer the plan of hauling the soil to the ends of the houses, mixing the manure with it there after which it is wheeled direct into

the benches. They claim that time and labor are saved by carrying out the work this way. This is certainly a rough and ready style of doing the business and if the manure is one of the causes of stem rot there is a big chance of the plants getting affected, particularly so should there be any carelessness in caring for them just after planting. Some growers who have land enough to be able to do so select a piece, ploughing over the sod in the fall, then when spring comes place the manure over it. It is then turned over a couple of times before it is taken into the houses. There are several points in favor of this plan; at the same time it has its drawbacks, particularly so if the season is inclined to be wet. A great many florists who grow carnations do not have enough land to follow this method every year.

When you are ready to start to work making the compost heap, figure on having enough help to push it through quickly, as it is poor policy to put a couple of hands to undertake the job of preparing enough soil for 25,000 to 30,000 feet of bench space. It is better and cheaper by far to have a good force at it with a man in charge who knows what he is about and able to see that it is done right. There is a big difference in the time it takes sod to rot. Some kinds will be easy to break up after having laid up all winter while others will take a good deal of beating and shaking out to work properly. After you have enough chopped take a house scraper and commence hauling the soil to the place selected for your heap which should be close to where the sod has been stacked and as near the greenhouses as possible. Commence with a layer of soil to about the depth of one foot and then haul on your manure, using in proportion one-fourth manure to three-fourths soil and mixing in about two bushels of wood ashes to the whole. Carry this on until your pile reaches the height where it calls for extra shoveling, then round it up and start again from the bottom on the end of the former heap until you have enough for your requirements. Any weeds anywhere within distance of the heap should be cut out. In a little while the weeds will commence to spring up through the soil and these must be removed as soon as they can be handled. Your soil will then be ready whenever you are in need of it. When the time comes to haul it into the houses see that it gets a thorough mixing in shoveling it into the wagon. Commence to chop from the top of the pile going clear to the bottom which will mix all the parts well together.

If it is your intention to grow any of your plants inside all summer it will be necessary to break away a little from this method because you will have to use the soil much sooner. The soil should be as fine as possible and should not contain any clods or pieces of half-rotted sod. The manure should also be more thoroughly rotted than that advocated for field grown plants which have two months longer to get incorporated through the soil. Referring to the use of clay in the compost, this must be governed entirely by the texture of your soil. If it is very light a little clay mixed through it would greatly benefit the stems of the flowers, but if the soil is stiff and takes a long time to dry out, keep the clay away from it. Varieties that burst badly during the dark days should not be planted in a soil where clay is mixed through it. Any variety with weak stems is greatly benefited by using a stiff clayey soil. C. W. JOHNSON.

THE RETAIL TRADE

CUT *Asparagus plumosus* most liked by the New York trade is that which is grown naturally in fronds and not trained on strings. The best retailers have little use for cut up pieces of the latter.

Helpful Hints.

For baskets or jardinières of mixed plants *Aralia elegantissima* makes a very effective center.

In a dark green willow basket daffodils look their best.

Cover the soil with sheet moss. It adds twenty-five per cent to the selling power of a pot plant.

Erica cupressina in any size, from three inches to a foot high, stands close to the top of the list as a florists' plant.

Lady Hume Campbell is the violet for spring pot-plant sales.

The Floral Muff.

Among the new departures in gifts for bridesmaids is the flower muff, says the Washington Star. It forms a pretty as well as a serviceable present, for it is by no means the fragile thing it seems. The flowers are fixed on a foundation into which the real muff is slipped, and this may be of sable, ermine, moleskin or, in fact, whatever the generosity or means of the bridegroom may suggest. Some of the frillings to the flower muffs are of real lace, so that altogether the dainty token is by no means inexpensive, often, indeed, costing far more than a piece of jewelry.

New York.

On all sides gratification over the Easter results is heard. Few complaints are made by either wholesale or retail dealers. Plant and cut flower trade thrived equally well. In the retail stores a few plants are left unsold, but they amount to but little as compared with the number sold and no one is disposed to protest. The varieties were, as a rule, the same as we have seen in former years and the demand did not vary materially as to choice from that of last season. *Ericas* were seen in much greater variety and better quality than ever before and were duly admired for their beauty, but their price was against them, especially when used in made-up baskets or hamper, to which they added value in proportion to the beauty conferred. In *hydrangeas* a decided revival was noticed, due to the addition of the bright blue and pink varieties to the general assortment. *Azaleas* sold especially well in the smaller sizes and where any are left over they will be found invariably in the large-sized class. This is true of a good many other things, such as *acacias*, *rhododendrons*, etc., and it is prudent to assume, in ordering such material for next year, that the smaller grades should predominate in all lines of Easter plants. Not only the small sizes but dwarf-growing varieties enjoyed the advantage of popular favor this year. This was demonstrated particularly in the case of the *azaleas* where the little *Firefly*, *Carl Enke*, *Queen of Holland* and *Hinodekiri* took the lead whenever or wherever shown. *Hinodekiri* is a Japanese variety much smaller than *Firefly* even, in bloom, but of equally desirable color and excellent as a jardinière plant in the combination groups so popular with buyers here. Next year promises to see a widespread



HOUSE OF ONCIDIUMS AT STANLEY, ASHTON & CO'S., SOUTHGATE, LONDON, ENG.

call for these gems. The fancy in special jardinière, basket and hamper arrangements varied but little as compared with recent Easters and was limited only by the ingenuity of the basket makers in providing novelties in this line. The so-called Russian baskets of rough wood held the popularity gained at Christmas, but no new styles were shown. As to ribbons, they were freely used by all, and the addition of little birds, nests, and such trifles was indulged in by many prominent retail houses with profit. "Pussy Willows" were also generally used as accessories.

Not for many years has the wholesale cut flower trade expressed so much satisfaction with the Easter results. The demand for violets was insatiable. On Saturday the receipts of violets from the Rhinebeck district alone amounted to 500 boxes, averaging from 2,500 to 3,500 flowers, each. Good roses and carnations were also in luck and sold out clean. It is a rare thing and worthy of record when the New York wholesale trade sees the ice boxes empty. In bulbous stock there was the usual and anticipated drag and the left-over stock was confined mainly to these things. Lilies sold out clean at all points and at better prices than of late years. Many more might have been sold had they been available. Many were too late in blooming and are due for the next two weeks. Already the price has fallen to about one-half of the Easter value, because of the heavy receipts of belated flowers. Carnations made a stiff advance all along the line.

The estimate of violets received at this market Friday and Saturday is about 2,500,000. Heavy shipments to Chicago from violet growing districts helped to prevent a surplus here and this market benefited materially in consequence.

John Birnie, representing the association of florists doing a spring plant business, has secured a lease for three months of the site of the old Clinton market at Canal and West streets for the purposes of a market. A tent covering an area of ten city squares is to be erected, and should the results justify the permanent use of the property for a plant market the city will undoubtedly proceed to erect a permanent building for the purpose.

The rental paid for three months is \$1,000.

The problem of handling the Easter visitors that flock to the commercial plant houses at Easter was solved by Julius Roehrs, by making a charge of 25 cents for admission on Saturday and Sunday, the proceeds to be turned over to the benefit of the Passaic General hospital.

The Easter show at the greenhouses in Prospect park was upon the usual extensive scale and many thousands of visitors were in evidence. At Central park the conservatories were also in Easter array and had their complement of admiring visitors.

N. Lecakes just returned from a three months' visit to his home in Greece. He brings with him samples of yellow immortelles grown there which he thinks may in time develop a paying industry in competition with the French article.

Thomas Young, Jr., is getting shipments of Jacqueminot roses every day such as delighted the flower buyers of twenty years ago. All modern red roses hide their diminished heads in the presence of the old favorite.

The employes of the New York Cut Flower Company and the Cut Flower Exchange had a busy day on Saturday, and about 1 o'clock on Sunday morning adjourned to the bowling allies.

Charlie Schenck is exhibiting with pride a handsome diamond ring presented him by his fraternal friends on the completion of his two years' service as master of his Masonic lodge.

The blue laws are evidently being revived in Brooklyn, for a florist of that borough was recently arrested for the crime of whistling a secular tune on Sunday.

Gustave C. C. Schrader says he finds barrels to be the proper thing in which to ship smilax. He is reputed to be the largest grower of smilax in this country.

At the Cut Flower Exchange W. C. Duncan had 2,000 lilies for Easter and Victor Dorval had a big load of bulbous flowers.

A visitor this week was W. Griesinger, representing Louis Van Houtte. Mr. Griesinger sails for home on Saturday, 9th inst.

The directors of the Cut Flower

Exchange have a meeting on Saturday, April 9. General business will be transacted.

Southern grown narcissus is being shipped to the New York market in large quantities.

John Cuff, the Manhattan florist, has a bad attack of rheumatism.

H. C. Steinhoff will sail for Bermuda this week.

J. C. Vaughan was a visitor at Flatbush Bowling Club meeting Thursday evening.

Other visitors: John Westcott and A. B. Cartledge, Philadelphia; A. Fahrwald, Roslyn, Pa.

Friday.—To-day finds the cut flower market in a badly demoralized condition with very heavy receipts and no demand.

Chicago.

Now that averages have been figured, inventories taken and balances struck the florists are able to give out more definite information about their business this Easter as compared with last and preceding Easters. There is a wide difference of opinion, based no doubt on actual facts which governed each dealer's business, as to the volume of business in point of money value, transacted during the six days preceding the Sunday holiday. One of the leading growers candidly says that his business showed a decrease this year and explained it away by saying, "We did not have as much stock as last year and prices were not high enough to make up the deficiency." His neighbor had convincing figures that he took in twenty per cent more money than last year during the same week. Sizing up the situation in a general way it may be said that it was a very satisfactory week, fully equal to that of last year. In cut flowers pretty much of everything was cleaned up and there was a good supply too. Roses were more plentiful than had been anticipated the week before and it was possible to buy roses at the end of the week at a very low figure. Beauty and reds were the scarcest item in this line. All good stock was sold before the final Saturday rush. Carnations cut a big figure and there were more of these sold this year than ever before. The supply was large and quality of every shipment could not well be better. Outside of the fanciest grades no orders were turned down for want of stock. There was a noticeable absence of the large quantities of pickled material. The violet situation during the entire week was an extremely weak one, differing greatly from the reported eastern situation. The bunches could hardly be given away and such ridiculous figures as 25 and 30 cents were realized. Bulbous stock held its ground stolidly, indeed it seems that it will never be started. The stock hanging around the market all week might be called a glut. One of the most important features of the Easter business deserves special note. The lily plant trade was very active and more were handled this year than can be remembered for many years. There was plenty of good stock and prices averaged 12½ cents per bud, some of the fancies going as high, however, as 16 cents. Saturday it was a difficult thing to secure a good lily, although some dealers had some poor grade material still on their hands.

The usual quiet characterized this week's trade. Election day added to this and about the only business the local retailers enjoyed came from funeral work. All prices have fallen accordingly. Dur-

ing most of the week the counters were crowded with stock, especially roses.

Peter Reinberg's "carnation campaign" proved the feature of the spring elections which were held Tuesday. He was elected alderman of the Twenty-sixth ward over Wilson, the Republican candidate, by a plurality of 2,292 votes. When one considers that the ward is normally about 1,000 republican, Mr. Reinberg's popularity may be better appreciated.

"By the gentle influence of the modest violet and the magnetism of the lovely carnation, Peter Reinberg, Democrat, was elected alderman of the Twenty-sixth ward. He turned a normal Republican majority of 1,200 into a Democratic majority of 2,292. The campaign of Charles H. Wilson, his Republican opponent, was based not only on his own qualification, but on the liquid gorgeousness that made Milwaukee famous. Mr. Reinberg estimates that he gave away \$5,000 worth of flowers. He decorated twenty-six churches in his ward on Easter. "I'm going to give the women of the ward another \$1,000 worth of roses and carnations," said he to-night. "I am the happiest man in Chicago. Say "the flowers that bloom in the spring, tra-la-la, had something to do with the case." My campaign offers new ideas to politicians. I won every one of the women and most of the men. My entire expenses were confined to flowers."—*N. Y. World.*

Wanzer & Company this week filed a petition in bankruptcy, giving their liabilities as \$114,034 with assets of \$90,632. This is the Board of Trade firm of which Wm. H. Chadwick, president of the Horticultural Society of Chicago, is a member. Mr. Chadwick has been very active in things pertaining to horticulture and he has the sympathy of his many friends in the trade.

The executive committee of the Horticultural Society of Chicago held a short meeting on the afternoon of April 6. Plans were discussed for the holding of a fall exhibition, but nothing definite was done.

The Florists' Club held a meeting in its room in Handel hall Wednesday evening. Most of the evening was devoted to an interesting discussion of the Easter business.

All of the churches in the Twenty-sixth ward, Peter Reinberg's ward, were decorated with choice flowers on Easter Sunday, sent gratuitously by Mr. Reinberg.

The absence of "kicks" from outside buyers was a noteworthy feature of this Easter's business. Most of the stock sent out was of high quality.

Mrs. Thomas Rogers, who is ill at Wesley hospital, this city, underwent an operation Thursday. Her condition is said to be quite critical.

Chas. McKellar is still handling orchids in quantities. This week he received a large shipment of dendrobiums with long stems.

Sinner Brothers report a good Easter business. They were a trifle short on carnations but filled all orders with good stock.

George Reinberg's Easter business was the best in years. He disappointed none of his customers, all orders being filled early.

Frank Beu, of 2780 North Fortieth avenue, is building a new house, 25x125 feet, to be used exclusively for roses.

The Bentley-Coatsworth Company handled for Easter a fine cut of roses which were all cleaned out early.

O. P. Bassett and wife have returned from their sojourn of several months at Pasadena, Cal.

Bassett & Washburn enjoyed a remarkable run on Easter lilies for Easter.

L. C. Coatsworth spent several days in New Castle, Ind., this week.

Visitors this week were C. H. Frey and August Eiche, of Lincoln, Neb., and James Schols, of Grand Rapids, Mich.

Philadelphia.

Easter of 1904 is over and all can contemplate with more or less pleasure the result. From the grower's standpoint it was all that could be desired, as, with the possible exception of azaleas, everything that was in condition and ready for the market was in the hands of the retailers by Saturday morning. The supply of lilies was not equal to the demand and several thousand more cut flowers could have been sold at from \$12 to \$15 per 100. There seemed to be plenty of the smaller sizes of azaleas and some of these are still to be seen in the growers' hands, but not enough to cut much of a figure in the profits. Ramblers sold out clean. Good hydrangeas were in demand and all that were fit were sold. Quite considerable of the stock did not make it however and much that was sent in was very soft and undesirable. Hyacinths and tulips seemed to sell very well. Large pans of these and daffodils, arranged with ferns in low baskets and pans, moved rapidly and but few were left over. Rhododendrons in bright colors also sold lively, but the dull looking sorts are best left off the list as they invariably get on the bargain tables in the late hours. It was astonishing to see how the lilies came along at the last. Thursday and Friday were both cold and rainy, about the worst that could have been turned out for forcing lilies, but when Saturday night came it was found that what had been given up a week ago had opened out and were all sold. The fact that there was a great and pressing demand for cut lilies on Saturday at from \$12 to \$15 per 100 must have made some of the growers feel badly, as thousands of pots had been delivered to the department stores earlier in the week at from 8 to 9 cents per flower. After the price of lilies is settled the general stock cost about the same to these large stores as they are not so familiar with values and are not so particular as to the quality. The very bad weather of Thursday and Friday was a knocker to the transient stores and street men and there was considerable left over on Saturday night.

The report from the regular stores is that they had a very satisfactory trade, some claiming to have had the largest volume of trade in their history and others to have done their usual business. Cut flowers sold very well, there being a good demand for violets, Liberty and Beauty roses. Special Beauty roses sold quickly at \$6 per dozen, Liberty at \$3 to \$4 and Bridesmaid at \$15 per 100. Violets are in great favor.

S. S. Pennock handled an immense quantity of valley for the Easter trade, his first selection being very fine. Easter lilies too were shipped by the thousand, nearly if not quite ten thousand being the week's total.

Leo Niessen had an immense business and is all smiles when he thinks of it. His Sunday morning consignment of violets came in good time as the market was entirely bare.

Eugene Bernheimer was well satisfied with the business. He handled thousands of sweet peas together with carnations and roses.

Ed. Reid said he had more than he could do; he complained of the scarcity of lilies and said he could have handled many more.

W. K. Harris had a fine lot of cut lilacs which sold rapidly.

The April meeting of Florists' Club on Tuesday evening was well attended. The feature of the occasion was to have been a

dissertation on "Mistakes I Have Made," by Wm. K. Harris, but as this astute and successful member could think of nothing more or less disastrous that had happened to him through his own negligence there was nothing doing. Next month Joseph Heacock is to tell whether or not the American Beauty rose is a back number. The question of the selection of the team to represent the club in the St. Louis bowling tournament is also to be settled at the May meeting.

The following resolutions were adopted at the last meeting of the Florists' Club on the death of the late George E. Fancourt:

WHEREAS, The Florists' Club of Philadelphia having heard with deep regret of the untimely passing away of their fellow member, George E. Fancourt,

Resolved, That the Florists' Club of Philadelphia hereby expresses its sincere sorrow at the loss of one who was so endeared to every member by his many good qualities of mind and heart. He was regarded by us all as one of the most intelligent and progressive of the craft, and was held in the warmest affection and esteem by all who knew him. We shall miss his genial and kindly presence at our meetings; and

Resolved, That we hereby extend our sympathy to his bereaved family.

ROBT. CRAIG,
DAVID RUST,
GEO. C. WATSON,
Committee.

A beautiful Schuylkill river, within masonry walls and with driveways and handsome buildings on either bank, running through the heart of the city, was said by Leslie Miller, president of the Parkways Allied Associations, in an address before the John Bartram Association in Houston hall, University of Pennsylvania, March 28, to be the keynote of the proposed plan for beautifying this city with parks and boulevards. Such an undertaking, he asserted, would not be an extravagance nor would it be burdensome to the taxpayers.

Last Monday almost every florist in the city had one or more wagons at the city hall. It was the opening of the city council and there was a great floral display. Considerably over a thousand dollars worth of stock was to be seen in presents to members, in addition to which were the decorations on an elaborate plan by Robert Crawford.

A visitor this week was A. W. Moore, of Wilkesbarre, Pa. K.

Johny Wescott's Spring.

O happy season of delight,
Love thee, who won't?
That blissful time when fish will bite
And 'skeeters don't.

—N. Y. Sun.

Boston.

Boston florists generally express satisfaction with the Easter business. The storm of Thursday and Friday caused them much trouble, compelling them to do practically three days' work in one, and Saturday was one of the hardest days ever experienced by the city florists. The pressure was tremendous and the business limited only by the capacity to handle it. Considerable stock was left over unavoidably which would have been all disposed of had there been one more clear day. But even with this serious drawback the amount of business was as large as or larger than that of any previous Easter and so all are willing to acknowledge satisfaction. The

growers had rather the best of it as their goods were about all placed beforehand and the plant houses are well depleted, while their owners are almost collapsed after the fierce mental and physical strain, and many of them doubtless wish that Easter could be erased from the calendar forever.

The demand leaned toward the smaller grades of plants and in azaleas especially, the specimens of moderate size and price were decidedly preferred. The leftover stock is limited almost entirely to the large sizes. Lilies had a splendid run but unfortunately the stock was not uniform, that from some growers being of unexcelled quality while that from other sources showed unmistakable evidence of the high forcing temperature to which it had been subjected in the frantic struggle to get the buds opened in time. This immature stock was very unsatisfactory and, as is usually the case, the discounts and losses and dissatisfaction are likely to more than offset the advantage gained. Suburban florists report a better sale than for several years past for pans of tulips, daffodils, lily of the valley and other bulbous material, the preference being, as in the case of the azaleas, for those having bright color. The cut flower department fared well everywhere, growers, wholesalers and retail dealers all sharing in the prosperity. The amount of "salted" stock in evidence was unprecedentedly light and to this good judgment and the absence of any disposition to demand exorbitant values is undoubtedly due much of the good showing made in the cut flower line. Normal prices were the rule in all lines excepting carnations which were held at about double the rates recently prevailing, but even then were not unreasonably high. The preference in carnations was for the colored varieties everywhere, and a good many white ones had to keep company with the bulbous material, mignonette and stocks which comprised about all the material left when the overworked clerks had locked the doors and turned their weary feet homeward.

Violets made a superb record. Rarely, if ever, has the Easter quality been so good. The old love for the violet seemed to have broken out afresh and big purple corsage bunches were all the go. Princess of Wales held the lead, far outnumbering the double varieties. William Sim picked and sold 100,000 violets alone and asserts that he could have sold easily double that number had they been obtainable. Other violet growers and dealers tell of similar experience. A few plants of the dwarf azaleas Firefly and Carl Enke were seen here and met with the approval accorded them in other markets. Firefly, from its intense color, proved especially popular. Next year will see a good many grown for this market, beyond a doubt.

Active preparations for the Rose Society's meeting and accompanying exhibition in Boston next spring are already in progress. The latest addition to the special list of prizes for that occasion is a silver cup, value \$50, offered by Col. Charles Pfaff, through his gardener, George Melvin, for twenty-five distinct named varieties of hybrid roses in pots.

G. C. Watson talked on his favorite subject, the "Peony," before the Massachusetts Horticultural Society on Easter Saturday. The floral section of the members was prevented from attending by the demands of Easter business, but the audience was gratifyingly large otherwise and the discussion following the

paper indicated that the peony is not lacking for enthusiastic friends in eastern Massachusetts.

Kenneth Finlayson returned last Wednesday on the Kaiser Wilhelm der Grosse from a seven months' absence in Scotland and Germany and his friends are glad to note evidences of his greatly improved health.

J. W. Howard has again secured the contract for supplying the B. & M. R. R. with plants for station gardens. There are 500 stations, requiring 100,000 plants.

Welch Brothers secured the entire lower floor of the recently vacated St. Nicholas Hotel, directly opposite their market, for an Easter annex.

J. H. Cox, lately representing Stump & Walter, is dangerously ill in Boston.

Visitors in town were Winfried Rolker, New York; G. W. Hilliard, Exeter, N. H.; C. M. Atkinson, Pittsfield, Mass.

Friday: A verdict was returned for the plaintiff in the suit of Ormsby against the Hub Ventilator Company, giving judgment for \$5,000.

Baltimore.

It was violet day. No renaissance even in Paris of the adoring enthusiasm for the great emperor could have brought out a greater abundance of the flower than was in evidence here Sunday. Huge mounds on the corsage, lesser bunches and the modest little boutonnières were everywhere. Of course appeared lily of the valley, American Beauty and other roses, but the violet was unquestionably IT.

The "parade" on Easter Sunday on Charles street, a residential and club thoroughfare, is a society institution of this city. Women and men, in finest and newest raiment, issuing from the churches after the morning service, move up and down the street, exchanging greetings and receive the admiration and criticism of onlookers. For a year or two there was a break in the custom of wearing flowers for personal adornment, but there is a revival in this regard, and this season these decorations were unusually abundant and lovely. The day was cold, with high winds, but the crowd was large, the women handsome and the toilets ravishing to each other's eyes. That the flowers gave added charms even to our Baltimore belles every florist believes.

Scarce a house in sections of the city but had its floral display. In more pretentious dwellings azaleas, rhododendrons and other showy sorts were banked in effective array, and the humbler homes had a spiræa, a hyacinth, a pot of tulips or a bunch of Easter flowers in the window. The church displays were more general and often more imposing than ever before. In those of some communions, where years ago no flower was tolerated, the adorning of pulpit and chancel was profuse, tasteful and acceptable to the worshippers as being entirely consonant with the spirit of the day and the place.

It follows from the demands thus created that trade was up to the average. Indeed, so far as the first indications mark the outcome, it was beyond ordinary seasons. This is the more surprising when it is considered that our city has lately passed through a terrible disaster, that the lines of business have been disturbed and are not yet straightened out and that many persons are out of employment.

Saturday was clear and cold, with a chill wind blowing not favorable to the

market men, but by closing-up time at night there was little left on the stalls except the cheapest and poorest stuff, and generally there was satisfaction felt and expressed with the day's business. There was no scarcity in any line, unless it was in *Harrisii* lilies, which were not present in the quantities usually seen at this holiday.

At the Florists' Exchange the volume of business was apparently heavier than the average, but Manager Perry, with some extra and efficient help, kept things moving briskly and by nightfall practically everything was cleaned out and at figures tully up to those prevailing ordinarily at this season.

A partial poll of the trade will show the trend and general features of the business done:

John Cook, N. Charles street: Gratifying business all through. Had a rush on violets all the time. Valley did well too. Plants in great demand. Azaleas were features, so were *Ramblers*, especially the pink variety. A good many Japanese cherries sold, but they are too evanescent.

Halliday Brothers, N. Charles street: Trade very satisfactory; lilies in fine shape, but it was violets, violets all the time. *Gardenias* sold well and we are practically cleared out. The same with azaleas. The business in plants was far better than that in cut flowers.

G. V. Smith, 2020 Madison avenue: Very satisfactory business done. Couldn't get enough violets. Took one person's time at the phone to say "Regret we cannot take orders for any more violets." Plants sold well.

W. Tilton, 519 N. Chester street: Good business—better than ever. Violets had the call. In plants, azaleas, *Harrisii* and hydrangeas went well. Could have handled much more stock.

F. G. Berger, 1128 Greenmount avenue: Orders came in late and there was so great a rush at the end that it seems like an awful big trade has been done. Much pleased with result.

S. Feast & Sons, N. Charles street: Business exceptionally fine—certainly 25 per cent increase over last Easter. No special features to note. Everything went well.

M. M. Fiedler & Company, 2340 Pennsylvania avenue: Well satisfied with business done, this being our first Easter. Stuff all sold well, but violets were top notch.

Albert G. Fiedler & Company, 902 S. Charles street: Sales better than last year. Violets insufficient for demand. Plants all cleaned out. Much gratified.

E. Rallman, 1049 S. Charles street: Heavier trade than ever. Plants and cut flowers both cleaned out, but cut flowers were more in request than pot stuff.

Isaac H. Moss, Govanstown: Fully up to average; bulbous stock rather slow; roses and carnations in good demand. Pot plants went off finely.

Wm. J. Halliday, 915 Madison avenue: Good Easter trade. Could have sold many more violets. Plants went fairly well, lilies especially well.

Mrs. Chas. Held, 32 S. Eutaw street: An extra business was done. Everything cleaned out. Violets were at the top. Thoroughly pleased.

Mrs. Gosnell, 825 Madison avenue: Fine business done. Sold all the violets we could get our hands on. Plants sold splendidly.

John Eberhart, 332 N. Howard street: Trade better than usual, and violets better than anything else. Plants, all sorts, sold well.

M. Wells, 231 S. Broadway: Good

trade all around. Both plants and cut flowers went well. Violets were No. 1.

John Berl, 1803 Bank street: Good trade in plants and cut flowers both. All plants sold. Azaleas had the lead.

Mrs. B. C. Fox, 743 Columbia avenue: Good average trade. Plants and cut flowers both went well.

Thos. Vincent: Never had as good an Easter either at our W. Baltimore street or our Charles street store.

Kirkley & Son, 1710 Eastern avenue: Had fine trade—plants and cut flowers all sold.

James Hamilton, Mt. Washington: Did an exceptionally fine business.

R. L. Graham: Best business we have ever done at Easter.

Edwin A. Seidewitz: The best Easter trade we ever had.

J. H. Siddons: Trade first rate. Abundantly satisfied.

J. A. Ritter & Son: Very fine trade.

The weather is cold and March-like, and the mercury drops below freezing every night. The ground is full of water and outdoor work in many locations is much delayed. Some planting of hardy things is being done.

After-Easter weddings are now in order, but the number will probably be less than in most years, due to financial disturbances resulting from the fire.

S. B.

Washington, D. C.

The magnitude and importance of the Easter trade seems to increase with each succeeding year. In attempting a review of the trade of the past week and of the weeks of labor and anxiety to the growers preceding it I may now say that while we have been prone to grumble at the weather and other conditions everything came in well at the finish. We had good forcing weather, and just when everything was good and ready Easter was here. It seemed that after a long cold winter everybody was in just the frame of mind to go out and buy flowers, and they did. They began to buy early in the week and kept at it until twelve o'clock Saturday night, and maybe later; but having been in my youth properly trained by Presbyterians of the old school, I cannot be supposed to know anything of Sunday trade. I asked a leading retailer, after it was all over, what stock was the best seller and he replied: "Everything." That seems to be the general sentiment among the retailers; there was a good demand for everything. It is unnecessary to state that lilies and other pot plants took precedence over cut flowers, though of these a great quantity was disposed of. There is this satisfaction in the Easter trade; that there is something to suit every taste. Down the line from a big bougainvillea or genista at \$25 to a geranium for ten cents there was a choice variety of potted plants, and from baskets made up with orchids, valley and adiatum costing \$50 to a big bunch of jonquils for a quarter there was a space for variations. The leading retailers started lilies at 25 cents per bud and flower and it is probable that the pick of the market sold at that price, but an immense number went at lower figures. Thousands of short stem Japanese longiflorums sold in pans at \$2 per dozen. Several dealers had fine stocks of Philadelphia grown *Harrisii*. Callalilies, both in pots and cut, also sold well; six-inch pots with one and two flowers brought \$1 to \$1.50. A great number of azaleas were sold at prices ranging from \$2 to

\$5; hydrangeas were not in their perfection, being about the only stock that was not quite ready, but they sold well at from \$2 to \$5. There were plenty of lilacs in pots and cut, many of the latter going into expensive baskets with other choice stock. In writing of baskets, I must mention my old friend the "pussy willow" which was very much in evidence in baskets of flowers for "my lady," also chickens, goslings and ducklings, as decorations. A "Japanese emporium" on one of the principal streets had "real" chickens and ducklings and I will agree they looked natural. There were many fine specimens of the Crimson Rambler rose. A fair one could be had for \$2 and up to \$5 and \$10.

The Easter trade is too large to attempt to particularize as to what any dealer had or sold. It is sufficient to say that from those who are classed as the leading retailers, on through the ranks of growers and retailers and market men, all had good stocks, suited to their class of trade and all disposed of them at good prices. Of cut flowers American Beauty roses were not great sellers at \$10 and \$12 per dozen. Other roses moved freely at \$2 to \$3 per dozen. Violets were plentiful and sold fast at \$1 to \$2 per hundred.

As a faithful adherent of the administration and its policies I was naturally pained to observe the disregard shown for the recent neutrality proclamation by the Washington public, inasmuch as it showed a preference for Japanese flowers. It is true that Russian flowers do not seem to be very plentiful. The Russian thistle is said to thrive in Nebraska, and some of the Omaha or Lincoln politicians may blow in here some day with some of its seed about them; then neutrality will be preserved.

As to novelties, I take it that any variety grown much better than the average is a "novelty," even though the variety is not new. There were bougainvilleas, genistas and azaleas such as are seldom offered for sale and smaller plants of the heath that are also rare. Now that we own so many islands of the sea, will not some enterprising collector find some new novelties? The old ones are getting commonplace.

S. E.

Pittsburg.

Blooming plants and violets were the important features of the Easter business and so decidedly so that never before were there so many plants or violets sold in a like period. The cut flower purchases fell off a little, but hardly to any damaging extent, and so far as I can learn all the stores cleaned up nicely.

The Florists' Exchange and the Pittsburg Cut Flower Company satisfied a great demand for violets. They also had extraordinary sales in roses, lilies and carnations, also in bulbous stock. Very little pickled stock was received. The increase in the shipping trade was remarkable.

The Phipps conservatories in Pittsburg and Allegheny presented their annual display to the public on Easter Sunday. Both institutions were thronged with visitors during the day and have been each day since.

John Bader reports a very successful Easter business. His own and hired wagons were in active operation night and day for a whole week. His shipments by boat and express were the greatest in his business career.

High water, which caused railroad washouts prevented a valuable lot of

American Beauties from reaching the Pittsburg Cut Flower Company in time for Easter sale.

Easter Monday the city councils began new sessions and many of the new and old members were the recipients of floral designs and bouquets that formed an attractive display.

The Pittsburg Rose and Carnation Company made some remarkable cuts in roses and carnations during the week.

Al. Sheppard went into harness again to give Geddes & Blind Brothers a lift.

Both E. C. & J. W. Ludwig were bottled up by crowds of purchasers on Friday and Saturday. E. L. M.

Indianapolis, Ind.

At last night's meeting of the State Florists' Association, A. Baur read a very interesting paper on "Convention Impressions." The Indianapolis members were very agreeably surprised by the presence of W. W. Coles, of Kokomo. Mr. Coles intends to increase his area of glass and made several trips recently to different places investigating greenhouses. He gave it as his opinion that high gutters and wide houses were the best. He thinks a good wooden gutter is preferable to an iron one. The latter opinion was not shared by the majority of those present. Mr. Coles recommends a visit to Vaughan's greenhouses to whoever wants to study gutters. At that place, he says, every known form of gutter may be seen in use. H. Haugh, of Anderson, was a visitor and reported his Easter trade extraordinarily good. John Hartje showed a vase of his new Moonlight carnation. The chair appointed Mr. Coles to give an opinion on it. Mr. Coles said Moonlight was a first-class white carnation and would be a wonder in the hands of a first-class grower. Homer Wiegand, of this city, and J. H. Bornhoeft, of Tipton, were elected members of the association.

The Easter business has been very satisfactory. Plants as well as cut flowers were sold out completely in most cases. Prices were about the same as last year, and as usual at Easter plants were in the lead. The cool March weather gave the violet growers an opportunity to have a first-class crop for this occasion and they sold correspondingly well. Owing to their perfection these flowers took a rather prominent place.

Bertermann's large two-horse wagon was run into by a street car Saturday night while delivering Easter orders and about \$200 worth of plants and cut-flowers were destroyed. The wagon was damaged, but no one was hurt seriously.

Ed. Bertermann is planning to take a trip to Europe this summer, on which he hopes to visit some prominent growers abroad.

Carl Sonnenschmidt intends to visit Cuba in the near future.

H. Junge is convalescing from a serious attack of gripe. J.

Cincinnati.

Easter has passed into history and the writer for one is glad the rush is over. Everybody is satisfied with the amount of business done and there are no complaints heard, although George & Allan suffered a severe loss on account of the heavy rains of Thursday night and several thousand bulbous flowers they had shipped to different cities were delayed in transit from twelve to eighteen hours. Most of the stock received was very good.

Not much pickled stock was to be seen and both dealer and consumer were in an unusually happy mood.

At the Flower Market business was not up to last year and a great deal of stock had to be taken home again. Harrisii lilies were in good demand and the best of these easily brought \$15 per 100. There was a glut of poor bulbous stock, but good hyacinths and Murillo tulips met with a ready sale. Smilax was very scarce. Good valley brought \$4 per 100 and violets sold well at 50 and 75 cents per 100. George Corbett sent in a nice lot of genista sprays which brought \$1 per bunch. Azaleas and other blooming plants were in good demand.

The Rosebank Company had the decorations for the Taft-Leaman wedding last Wednesday and used large quantities of Harrisii lilies, daffodils and sweet peas. This firm also had the decorations for the Womans' club, Thursday.

Business since Easter has been good, especially shipping trade, and prices at this writing remain firm on roses and carnations but bulbous stock is an awful glut.

Theo. Miller, of Ironton, O., was a visitor last week. A. O.

Grand Rapids, Mich.

This city has just passed through one of the most disastrous floods in its history. Almost the whole west side was under water. Hundreds of families had to vacate their homes. Among the florists who were caught were the Tuinstra Brothers. Their fire was put out and the water raised to the level of the benches. Oil stoves were put in and the best part of their stock was saved. At Grandville, George Conklin lost almost his entire stock. The Stover Floral Company placed one of its houses at his disposal and saved about 4,000 plants, but all the rest were destroyed. We send a photograph of his place taken after the water had fallen twenty-two inches. (See page 472.) F. J. Mead also had the most of his stock destroyed, but managed to save his parsley.

Easter trade was about the same as last year. Crabb & Hunter report an increase in the demand for lilies.

All the churches curtailed their usual decorations and donated their Easter offerings to the flood sufferers.

Henry Smith says that lilies and roses were in great demand and not enough carnations to go around.

Freyling & Mendels report a fine Easter trade, with bulb stock and lilies leading.

James Schols shipped 100,000 violets to the Chicago market. B. N.

Milwaukee.

Easter trade, according to reports, was but slightly better than last year. The condition of the weather played a considerable part in this as it was cold all week. Advance orders were very light hence the rush on the last days was more marked than at any previous season. The forecasted shortage of Easter lilies did not materialize, but the demand for them was steady and all were cleaned out by Sunday. Carnations sold at lower figures than in previous years with more than enough white on hand. Bulbous stock was rather poor sale excepting Murillo tulips, which cleaned out well. The plant growers did a very good business, in fact there is an increasing demand for flowering plants of all kinds.

The hydrangeas grown by Holton &

Hunkel Company were very good and there was a ready demand for them.

F. P. Dilger brought in bulbous flowers in enormous quantities and they were all sold.

Fred. Schmeling had a fine lot of longiflorums in pots for Easter.

M. A. McKenney & Company have purchased the business of the Ellis Floral Company in the Wells building and will run it in conjunction with their present store.

At the last Florists' Club meeting it was decided to spend a certain amount each month for advertising the trade in general in the Sunday newspapers.

Common ferns have taken another jump and are now bringing \$4 per 1,000. H.

Lowell, Mass.

It can be safely said the business here this Easter was the biggest ever known. Easter week was full of events and all kinds of weather. The first part the weather was glorious and made the storemen happy, but this was too early for the public to buy the well grown flowering plants offered for sale, and these few days were too short lived to be of much good. Wednesday and Saturday we had heavy rains which put a damper on enthusiasm, but on Friday we awoke and found splendid weather. Then the business started in for keeps and continued until Sunday noon. Never before was there such a splendid array of flowering plants shown as this Easter. Lilies sold at 25 cents per bud and azalias were more than abundant and certainly made a blaze of color in the windows. They brought good prices. The supply of Crimson Ramblers and hydrangeas was a little shy this year. What few were offered went quick. Spiræas and bulbous stock in pans went flying. The cut flower supply was good and prices high. Roses, carnations and violets were the flowers most wanted. Roses were in excellent quality, especially the Bridesmaids. Some few Beauty were sold, but they were limited in supply. Carnations were as popular as ever. Enchantress and Fairmaid sold for \$2 per dozen. But the flowers sought most were the violets and they were to be had in any quantity, but the quality was way off, nevertheless they sold at good prices.

Patten had, as usual, an annex just around the corner from his store on the square which was filled with lilies.

E. N. Peirce & Sons, of Waltham, furnished the greater part of the azaleas and lilies sold here.

Peter Healy's cut of stocks and snapdragons was of excellent quality and large.

R. C. Tingley brought in an enormous supply of violets and callas in pots. A. M.

UPPER NYACK, N. Y.—A. C. Tucker has sold his Midland avenue greenhouses to Pye Brothers.

WINCHESTER, N. H.—Wm. F. Flint, the well known horticulturist, died here recently, aged 70 years.

WELLESLEY, MASS.—Frederick E. Vetter has resigned his position with D. Carmichael and has leased a greenhouse and store in Erie, Pa.

CHAMPAIGN, ILL.—The greenhouses of the Illinois Central railroad are now well stocked with plants for the decoration of its station grounds during the coming season.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

C. W. JOHNSON'S contribution in our
last issue on "Preparing for New Chrys-
anthemum Stock" was erroneously placed
in the carnation department.

THE REVUE HORTICOLE states that the
use of ether and chloroform in the forcing
of plants is commercially successful, recent
experiments with *Azalea Indica*, *Azalea*
mollis, *deutzias*, *snowballs* and *lily of*
the valley having demonstrated this.

PROFESSOR B. T. GALLOWAY, chief of
the bureau of plant industry of the
United States department of agriculture,
says that on a quarter of an acre and
without capital, in five years he built up
a violet-growing business worth \$2,500
to \$3,000.

FRIED CHRYSANTHEMUMS. According
to *Le Jardin chrysanthemum* petals
dipped in a batter of eggs and flour and
fried quickly in oil, then placed on absorb-
ent paper for a short time, make a very
delicate dessert dish when dusted with
powdered sugar.

ED. AM. FLORIST:—Is it not about time
botany was taught in our public schools
—or certainly in our schools of art? Four
of our popular monthly magazines have
on their covers *Easter lilies* as a part
of their pictorial illustrations, three of
which are imperfectly drawn and conse-
quently quite as imperfectly illustrated.
Those appearing on the *Strand* magazine
have pistils and stamens all right. The
other three have only the pistils appear-
ing. O! ye artists! E. L.

Fumigating Ferns.

ED. AM. FLORIST:—Will *Asparagus*
Sprengeri, *Boston ferns* and *Easter lilies*
stand as much tobacco smoke as roses?
Will they stand enough to kill green lice
or are they as tender as *adiantum*?

O. O.

These plants will all stand a reasonable
degree of fumigation with tobacco stems
or tobacco dust, provided that the smok-
ing is done with sufficient care to avoid
the tobacco blazing up during the opera-
tion. Should this occur it is quite likely
that some of the plants may be scorched,
but if proper care be used there will be no
danger while giving plenty of smoke to
kill aphides or green lice. It is, however,
preferable to use *aphis punk* for fumigat-
ing these plants instead of the tobacco,
this preparation producing a stronger
vapor with less liability to injure the
plants. W. H. TAPLIN.

Greenhouse Heating.

ED. AM. FLORIST:—We have a twenty
horse-power tubular boiler, 3x10 feet,
which is heating at present with hot
water two greenhouses, even span, 20x
100. How much more glass will this
boiler heat with hot water? The tem-
perature must be 50° on coldest nights.
The boiler has twenty-six 3-inch flues.
L. F.

A great deal depends on the location,
outside temperature and construction of
the houses, but for zero weather, and in
well built houses, and in a fairly pro-
tected location, a boiler such as is
described should be able to heat three
houses if there is no glass in the side
walls. L. R. TAFT.

Society of American Florists.

AMERICAN GROWN NARCISSUS BULBS.

The bulbs of *Narcissus grandiflorus*
Paper White and *N. Princeps* exhibited
by Misses Wilson, Montgomery, Ala., at
Milwaukee last August for test as to
forcing qualities, have been bloomed by
Carl Jurgens of Newport, R. I., who re-
ports that the *Paper Whites* which
flowered were very fine and fully equal to
imported stock. There were, however,
a good many "sets" in the collection, the
bulbs evidently having been grown in a
clump and taken up as such and separ-
ated. Mr. Jurgens expresses the belief
that had these sets been planted out, as
is done in general bulb culture, and
grown for one season, they would have
made most excellent bulbs, like those
that flowered.

As to the *N. Princeps*, results were not
so satisfactory, although they were not
forced till late, and in Mr. Jurgens'
opinion the climate of Montgomery is
too warm for the growing of bulbs of
this class. WM. J. STEWART, Sec'y.

Greenhouse Heating.

ED. AM. FLORIST:—I wish to learn
through your excellent paper as to the
size of boiler it will take to heat four
greenhouses, 25x100 feet, and also the
best make boiler for the purpose.

A SUBSCRIBER.

The question as submitted is too indefi-
nite for anything more than approximate
answer. A great deal will depend upon
the slope of the roof, the height and
amount of glass in the walls, the climate
where the houses are located, as well as
the temperature desired in the houses, or
the class of plants to be grown. If the
temperature desired in the houses will
not average more than 60°, and they are
located in a section where the mercury
seldom drops below 10° and if there is no
glass in the side walls four houses of the
size mentioned could be heated with a
30 horse-power boiler, but it would be
found more economical of fuel if its size is
40 horse-power, and this would be
required if there is much glass in the
walls. For temperatures higher or lower
than those mentioned a corresponding
change should be made in the size of the
boiler. If hot water is to be used it will
be well to select a heater rated at about
6,000 square feet, although the actual
amount required will probably be from
4,400 to 5,000 feet. An ordinary tubular
steam boiler will give good results for
steam heating and although it would
answer for hot water if the entire shell is
filled with flues, it may be better to pur-
chase some of the hot water boilers in
the advertising columns of this paper. L. R. T.

OBITUARY.

Jacob Thinnis.

Jacob Thinnis, of Brooklyn, died sud-
denly April 3 of heart disease, aged 64
years.

Francis Supoit.

Francis Supoit, formerly of Philadel-
phia, but who for the last five years has
been a resident of Veyins, Maine et Loire,
France, died there on Saturday, April 2,
of paralysis. Mr. Supoit was a French-
man and came to Philadelphia about
eighteen years ago. His forte was vio-
lets of which he grew large quantities for
this and the New York markets. He was
a very successful as well as an enthusias-
tic grower. He believed that almost
every one would buy flowers if they could
be placed within their means. About ten
years ago he purchased a farm in Ches-
ter county and erected houses for forcing
lilacs which he grew in large quantities
importing the stock from France. He
was also a large grower of water cresses
for which he found a great demand. His
son, Francis, Jr., will continue the busi-
ness. Mr. Supoit was 53 years of age
and leaves a wife and four children.

K.

LENOX, MASS.—Charles Lanier is to
build a large new range of greenhouses at
his Lenox estate, "Allen Winden," and
the work will be commenced immedi-
ately. The houses will cover a space of
between 6,000 and 7,000 square feet,
and will be among the largest and most
complete in this town. They will cost
about \$15,000. The Pierson-Sefton com-
pany of Jersey City, N. J., has the con-
tract.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 is entitled to a five-line WANT
ADV. (situations only) free, to be used at any
time during the year.

Situation Wanted—As foreman; good plants-
man; roses, carnations; American Beauty roses
a specialty. W. care J. N. MAX,
Summit, N. J.

Situation Wanted—As head gardener or fore-
man. German, married, age 31. Best references.
J. KRAMER, Box 257, Poughkeepsie, N. Y.
Dutchess Co.

Situation Wanted—By May 1, as rose grower on
place where first class roses are wanted. Ameri-
can, sober, steady, age 28. State wages. Address
R F, care American Florist.

Situation Wanted—By good all-around ma-
n. Best of references. Missouri or Illinois preferred.
State wages. Address
FLORIST, care American Florist.

Situation Wanted—By practical grower of cut
flowers to take charge. References. State wages
without board. Address
GROWER, care American Florist.

Situation Wanted—As foreman; by a grower of
twenty years' experience. Best of references.
Married, good worker, steady habits.
CHAS. DEER, Morton Grove Greenhouses,
Morton Grove, Ill.

Situation Wanted—By good, all-around florist.
Age 27, single, German. Good grower of palms,
ferns, carnations, roses and general pot plants.
Good propagator. Able to take charge.
M L, care American Florist.

Situation Wanted—As rose grower, Beauties or
teas. Can furnish the best of references from
prominent Chicago firms. Up-to-date on carnation
and general stock. Good wages expected.
ROSE GROWER, care American Florist.

Help Wanted—A single man for palms, ferns and general greenhouse stock. Address
H. F. HALLE, 548 N. Madison St., Chicago.

Help Wanted—By April 15; a good carnation grower. \$35.00 per month, board and room; \$55.00 without. Address
D. CARMICHAEL, Wellesly, Mass.

Help Wanted—2 florists' assistants. Young single men with some experience preferred. Wages \$20.00 per month, board and room to a art with.
T F B, care American Florist.

Help Wanted—At once, an all-around florist. Sober, energetic, of good moral character and not over 30 years old. No others need apply.
F. WALKER & Co., Box 316, New Albany, Ind.

Help Wanted—Man who thoroughly understands care of private greenhouse and vegetable garden. Work steady year around. Wages \$55.00 per month. Apply with references to
Box 68, Lake Forest, Ill.

Help Wanted—A competent store man by a first-class retail establishment in a prominent southern city. Give references and state salary expected. Address
SALESMAN, care American Florist.

Help Wanted—Near Boston, four good plant-men. Only such need apply who have been trained in a nursery or in landscape gardening. State references and wages. Address
ARBORETUM, care American Florist.

Help Wanted—A first-class grower of carnations, mums and general greenhouse stock. Wages \$50.00 per month. Only a good grower need apply. References required. Address
FRANK BEU, 2780 N. 40th Ave., Chicago.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references. Address
FRED J. KING, Ottawa, Ill.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address
BAUR FLORAL Co., Erie, Pa.

Wanted—A sober, industrious young man as partner in a florist and nursery business. Man with wife only preferred. Good business. Address
FLORAL PARK, 1802 West Webb st., Pendleton, Oregon.

For Sale or Lease—Seven greenhouses, 7,500 feet; 8 room dwelling and one acre ground.
WILLARD SMITH, Spokane, Wash.

To Rent—Elyven greenhouses, rooms and stable in Clifton, Cincinnati, O. Apply to
JNO. J. SCHIFF, No. 206 Carlisle Building.

For Rent—Old established greenhouses with good house, barn, all utensils, tools, etc. For particulars address
C E, care American Florist.

For Sale—An elegant greenhouse plant of 40,000 square feet of glass; must sell, have other business. Write for particulars.
W W, care American Florist.

For Sale—At a bargain 4 greenhouses 20x100 feet, barn, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health.
J D, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
Jas. RICHARDSON, London, O.

For Sale—A fortune in this: The finest greenhouse plant in a western state. 2 acres, 40,000 square feet of glass. Modern in every way; all new. A ready market for all products. In a thriving city in Colo. Write for particulars.
C C, care American Florist.

For Sale—Greenhouse establishment. On account of sickness. 11 greenhouses, stocked with roses and carnations, steam heating, well, windmill, steam pump, 10,000 gallon tank, packing room, 6 room dwelling house, barn, horse and wagon, 2 acres of land, unsurpassed climate, adjacent to San Francisco. Address
FRANK STORER,
Elmhurst, Alameda County, Cal.

For Sale Cheap—At a bargain; greenhouse plant, partially destroyed by fire. Large retail trade in cut flowers and design work. Excellent opportunity for a practical grower with a little money. Address
CHEESMAN & SCHEPMAN, Richmond, Ind.

For Sale—Old established greenhouses, large lot, good house and barn, together with all the paraphernalia incidental to this line of business. Sickness compels an immediate sale of this plant. No reasonable offer refused.
CLARENCE E. SMITH, 145 LaSalle St., Chicago.

For Sale—Well established florist business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. For particulars address
FRANK M. PAINE, Traverse City, Mich.

For Sale—\$4,800 takes place of 12,000 feet of glass; well stocked. Good dwelling and barn, 1 acre land, team, wagons and tools, complete. Place well worth \$6,000. Spring trade will turn \$1,500. Located in progressive city of 12,000; 3 steam, 3 electric lines. Ill health cause for selling. For particulars address
X, care American Florist.

WANTED.

Position as foreman in an up-to-date plant. Beauties, Teas, Carnations and Pot Plants my specialty. Address

F C H, care American Florist.

For Sale.

Retail Florist's Establishment.

consisting of 10,000 sq. ft. of glass in connection with store. Located on one of Chicago's finest boulevard drives in the center of fine residence district; 20 years in present location; with 12 years lease to run; profitable business splendid opportunity for right parties.

Address No. 93,
care American Florist, Chicago.

260 Hot-Bed Sash Cheap

Size 3x4½ Glazed and Painted, two coats. Used only short time.

THEY ARE WORTH \$1.50 EACH, BUT SEND US AN OFFER FOR ALL OR PART. (THEY ARE IN NEW YORK STATE).

FLORISTS' AMERICAN EXCHANGE.

In our last advertisement we announced that we were unable to supply more, but this consignment has been offered unexpectedly.

WANTED AT ONCE GLASS. 16x16, 2nd, Double Thick Glass.

Parties having from one, to ten boxes to spare, please notify us at once.

Pointer No. 22.

Another place in New Mexico. 5 greenhouses, heated by hot-water. Land 150x160 right in city. City water, good trade. Will sell cheap or rent. Stock on hand for this season's trade. Plenty pots and everything needed. Town of 8,000 people, good schools, etc. Photo may be had.

WE NOW HAVE GOOD AND DESIRABLE OFFERINGS IN ALMOST EVERY STATE. SOME ARE NOT ONLY CHEAP IN PRICE, BUT TERMS MAY BE SECURED, WHERE BY INDUSTRY CAN THRIVE WITH BUT SMALL CASH CAPITAL TO BEGIN WITH. WRITE US FOR DESCRIPTIVE LIST STATING YOUR DESIRED LOCALITY AT ANY POINTS BETWEEN ATLANTIC AND PACIFIC OCEAN.

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,
Care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt, WHOLESALE Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Apr. 7.

Roses, Beauty, long per doz.	4.00@5.00
" " med.	2.00@ 3.00
" " short	5.00@ 12.50
" " Bride, Bridesmaids	4.00@ 10.00
" " Meteor, Golden Gate	4.00@10.00
" " Perle	4.00@ 0.00
Carnations	2.00@ 4.00
Smilax	18.00@20.00
Asparagus	35.00@50.00
Violets	.50@ .75
Valley	2.00@ 3.00
Romans	1.50@ 2.00
Freesias	@ 2.00
Tulips	2.00@ 3.00
Daffodils	2.00@ 3.00
Callas	15.00
Harrisii	15.00

PITTSBURG Apr. 7.

Roses, Beauty, specials	35.00@40.00
" " extras	20.00@30.00
" " No. 1	10.00@15.00
" " ordinary	3.00@ 6.00
" " Bride, Bridesmaid	3.00@15.00
" " Meteor	4.00@ 8.00
" " Liberties	3.00@12.00
" " Kaiserin	4.00@10.00
Carnations	1.00@ 6.00
Lily of the valley	2.00@ 4.00
Smilax	20.00@20.00
Asparagus, strings	30.00@50.00
Asparagus Sprenger	2.00@ 3.00
Violets	.25@ 1.00
Lilies	10.00@15.00
Romans, Paper White	1.00@ 3.00
Tulips	2.00@ 4.00
Daffodils	1.00@ 3.00
Dutch Hyacinths	3.00@ 4.00

CINCINNATI, APR. 7.

Roses, Beauty	2.00@ 6.00
" " Bride, Bridesmaid	3.00@ 8.00
" " Liberty	4.00@10.00
" " Meteor, Golden Gate	4.00@10.00
Carnations	2.00@ 4.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Violets	.50@ .75
Narcissus	3.00
Romans	3.00
Harrisii	12.50@15.00
Calla	10.00@12.50

St. Louis, Apr. 7.

Roses, Beauty, long stem	3.00@4.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.75@ 1.00
" " Bride, Bridesmaid	6.00@10.00
" " Golden Gate	6.00@10.00
Carnations	2.00@ 4.00
Smilax	15.00@20.00
Asparagus Sprenger	1.00@ 3.00
" " Plumosus	.25.00@50.00
Ferns	per 1000. 4.00
Violets, single	.40@ .50
Narcissus Paper White	3.00
Valley	3.00@ 4.00
Romans	2.00@ 3.00
Dutch hyacinths	4.00@ 5.00
Tulips	3.00@ 4.00
Callas	15.00
Harrisii	15.00

HEADQUARTERS FOR WILD SMILAX

AMERICAN BEAUTY

36-inch stems	Per Dozen.	\$5.00
24 to 30-inch stems		3.00
18 to 24 "		2.00 to 3.00
15 to 18 "		1.50 to 2.00
12 to 16 "		1.00
Bride and Maid	Per 100	\$3.00 to \$8.00
Golden Gate		3.00 to 8.00

Carnations	Per 100	\$1.50 to \$2.00
" " Fancy		3.00 to 4.00
Violets, Double		.75 to 1.50
" " Single		.50 to 1.00
Valley		2.00 to 4.00
Daffodils, Paper White		2.00 to 3.00
Tulips		3.00 to 5.00
Harrisii		12.00 to 15.00
Callas		12.50 to 15.00
Asparagus Sprenger		2.00 to 4.00
" " Plumosus, siring, 25c to 50c each		
Fancy Ferns	per 1000.	\$3.50
Galax, Bronze, Green, 1000		1.25
Adiantum		1.00
Leucothoe Sprays		1.00
Smilax	per dozen,	\$2.50

OUR MURILLO TULIPS
are the best that the market affords

Book your orders now for EASTER LILIES and other wants.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

Brant & Noe Floral Co., CROWERS OF Cut Flowers at Wholesale. Careful attention given shipping orders. 58-60 Wabash Ave., CHICAGO.

H. G. BERNING Wholesale Florist 1402 Pine St., ST. LOUIS, MO.

FOR SOUTHERN WILD SMILAX. (Where quality is First Consideration) Write, Wire or Phone the Introducers, CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

CUT FLOWERS OF ALL KINDS and Florists' Supplies. Galax, bronze or green, 75c per 1000. Leucothoe Sprays, 50c per 100. Sphagnum Moss, Ferns. Wire Work of all kinds for florists. Special attention given to shipping orders. WM. MURPHY, Commission Dealer, 130 E. 3d St., CINCINNATI, O. Telephone, 980 Main.] Please mention the American Florist when writing.

C. A. KUEHN, Wholesale Florist, 1122 Pine St., ST. LOUIS, MO. A Complete Line of Wire Designs.

J. M. McCULLOUGH'S SONS WHOLESALE FLORISTS ALSO SUCCESSORS TO THE CINCINNATI CUT FLOWER CO. CONSIGNMENTS SOLICITED. Special Attention Given to Shipping Orders. 316 WALNUT ST. CINCINNATI, OHIO.

Michigan Cut Flower Exchange, WM. DILGER, Mgr. All Cut Flowers in Season. 26 Miami Ave., DETROIT, MICH.

Pittsburg Florist Exchange WHOLESALE FLORISTS, 243 Diamond St., Pittsburg, Pa. CONSIGNMENTS SOLICITED.

There Are Buyers For all kinds of good stock advertised in..... THE AMERICAN FLORIST

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,

AT CHICAGO MARKET RATES.

42-44 E. Randolph St.,

CHICAGO, ILL.

GOOD STOCK PLENTY

Receipts are large and qualities leave nothing to be desired.
At prevailing quotations you ought to be able to use large quantities of choice material. Send us your orders.

ALL CUT FLOWERS IN SEASON.

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

PRICE LIST.	
American Beauty.	Per doz.
Stems, 30 inches	4 00
Stems, 24 "	3 00
Stems, 20 "	2 00
Stems, 15 "	1 50
Stems, 12 "	1 00
Short stems, \$5.00 to \$6.00 per 100	
	Per 100
Bride and Maid	\$3.00 to \$ 8.00
Golden Gate	3.00 to 8.00
Meteor	3.0 to 8.00
Perle	3.00 to 6.00
Roses, our selection	4.00
Carnations	1.50 to 2.00
" large and fancy	3.00 to 4.00
Harrisii, Callas, per doz., \$1.25 to \$2 00	
Valley	3.00 to 4.00
Sweet Peas	.75 to 1.00
Daffodils, Paper Whites	2.00 to 3.00
Tulips	3.00 to 5.00
Violets	.75 to 1.00
Asparagus, per string, 30c to 50c	
Galax	per 100, 1.25 .15
Ferns	per 100, \$3.50 .40
Leucothoe Sprays	1.00
Adiantum	1.00
Smilax	per doz., \$2 50

SUBJECT TO CHANGE WITHOUT NOTICE.

The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

FRANK GARLAND,
Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**
65-57 WABASH AVENUE, CHICAGO.
Telephone Central 3284.
Please mention the American Florist when writing.

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.

MICHAEL Winandy

Wholesale Grower and Shipper of **CUT FLOWERS**
60 WABASH AVE., CHICAGO.
Telephone 3067 Central.

WIETOR BROS.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

It is good business policy to mention the
American Florist
.....when writing to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.
Wholesale **CUT FLOWERS**
Roses and Carnations A Specialty.....

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street. MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Apr. 8.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 "	2.00@ 2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@ 1.50
" Liberty	6.00@ 8.00
" extra select	10.00@ 12.00
" Chatenay	5.00@ 10.00
" Bride, Bridesmaid	3.00@ 8.00
" Meteor, Golden Gate	4.00@ 8.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Valley	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays	2.00@ 6.00
" Sprengeri	3.00@ 6.00
Violets, double	1.00@ 1.50
" single	.50@ 1.00
Leucothoe Sprays	1.00
Galax Leaves, Bronze, per 1000, 1.50	.15
" Green	1.00
Adiantum	1.00
Fancy ferns... per 1000	2.50@ 3.50
Smilax	12.50@ 15.00
Callas	1.00@ 1.50 per doz.
Harrisii	1.25@ 1.50 "
Tulips	2.00@ 4.00
Daffodils	2.00@ 3.00

SINNER BROS.
Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers**
All telegraph and telephone orders given prompt attention. 35-37 GREENHOUSES: Randolph Street, Morton Grove, Ill. CHICAGO, ILL.
Please mention the American Florist when writing.

WEILAND AND RISCH
CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

ALWAYS MENTION THE.....
AMERICAN FLORIST
WHEN WRITING ADVERTISERS.

Leo Niessen

WHOLESALE FLORIST.

1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

For April Weddings

VALLEY, BEAUTIES, LILIES, WILD SMILAX.

Write for Prices.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

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GEO. A. SUTHERLAND,

Best Boston Flowers. All Florists' Supplies.

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N. F. McCARTHY & Co.



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Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

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WHOLESALE FLORIST.

CHOICEST CUT FLOWERS. 43 W. 28th St., NEW YORK CITY.

GEORGE SALTFOORD,

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Specialties: VIOLETS AND CARNATIONS.

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GREEN AND BRONZE GALAX LEAVES, 75c per 1000; \$8.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens. Telephone 1214 Madison Square.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$2.00 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00, 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. 'Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

Wholesale Flower Markets

BOSTON, Apr. 6.

Roses, Beauty, extra.....	15.00@30.00
" " medium.....	6.00@10.00
" " culla.....	1.07@ 3.00
" Bride, Bridesmaid.....	2.00@ 4.00
" " extra.....	6.00@10.00
" " Liberty.....	4.00@10.00
Carnations.....	1.50@ 2.00
" " Fancy.....	3.00@ 4.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies, Calla.....	10.00@12.00
Smilax.....	12.00@20.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	1.00@ 2.00
Tulips.....	1.00@ 2.00
Peas.....	.50@ 1.00

PHILADELPHIA, Apr. 6.

Roses, Tea.....	4.00@ 8.00
" " extra.....	10.00@12.00
" " Beauty, extra.....	25.00@35.00
" " " firsts.....	10.00@15.00
" " Queen of Edgely, extra.....	25.00@35.00
" " " firsts.....	10.00@15.00
Carnations.....	2.00@ 6.00
Violets, single.....	.30@ .40
" " double.....	.50@ .75
Lily of the valley.....	3.00@ 4.00
Daffodils.....	2.00@ 4.00
Tulips.....	2.00@ 4.00
Lilac.....	.50@ 2.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	8.00@10.00
Longiflorum.....	6.00@ 8.00

BUFFALO, Apr. 7.

Roses, Beauty.....	3.00@40.00
" " Bride, Bridesmaid, Meteor.....	3.00@10.00
Carnations.....	2.50@ 6.00
Harrisii.....	12.50@15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1.00
Violets.....	.50@ 1.00
Calla.....	8.00@10.00
Sweet Peas.....	.40@ 60

Get Our **LAUREL FESTOONING**

and Southern Smilax for your Easter decorations. No. 1 quality Laurel Festooning, made all round, full and the best made, fresh from the woods, 4c, 5c and 6c per yd. 50 lb. case, finest Smilax ever sold, only \$8.00. Fancy Ferns, \$2.00 per 1000. Dagger Ferns, \$1.50 per 1000. All stock Bronze and Green Galax, 75c per 1000; discount on 10,000 lots. Send us your orders early for Easter and get the best to be had at bottom prices and fresh from the woods. Satisfaction guaranteed. Thanking you for past favors we are yours to command.



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Brilliant Bronze or Green, \$ 1.00 per 1000; 75c per 1000 in 5000 lots or over. Southern Smilax, per 50-lb. case \$8.00; per 25-lb. case, \$3.50. Leucothoe Sprays, green, \$1.00 per 100; \$7.50 per 100. Green Sheet Moss, per barrel sack \$2.50. Dagger Ferns, \$1.25 per 1000. ALL KINDS FLORISTS' SUPPLIES.

Tel. 597 Madison Square. L. J. KRESHOVER, 112 W. 27th St., New York.

Please mention the American Florist when writing.

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128 N. 6th St., MINNEAPOLIS, MINN. Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

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JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

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Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

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Telephone 902 Madison Square.

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Telephone No. 756 Madison Square,



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Wholesale Commission Florists.

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Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. **WILLIAM GHORMLEY**, VIOLETS Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 Madison Square.

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JOHN YOUNG,

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all Seasonable Flowers.

51 West 28th St., NEW YORK.
Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

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Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
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OPEN 6:00 A. M.

An Unequaled 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.

Please mention the American Florist when writing.

Wholesale Flower Markets

New York, Apr. 6.

Roses, Beauty, Liberty, best.....	15.00@20.00
" " medium.....	4.00@ 8.00
" " culls.....	1.00@ 2.00
" " Bride, Bridesmaid, G. Gate.....	2.00@ 6.00
Carnations.....	1.50@ 2.50
" " fancy and novelties.....	3.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	8.00@12.00
Violets.....	.20@ .30
" " special.....	.40@ .50
Smilax.....	10.00@25.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 4.00
Tulips Hyacinths.....	1.00@ 3.00
Narcissus.....	1.00@ 2.00
" " Southern.....	.25c
Gardenias.....	25.00@50.00
Freesia.....	.06@ .12 per bun.
Stocks.....	.20@ .35 per bun.
Sweet peas.....	.03@ .12 per bun.

Charles Millang WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

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Receivers and Shippers of

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111 West 30th St., NEW YORK.
Telephones 3970-3971 Madison Sq.

REPRESENTING EMINENT GROWERS.

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53 West 30th Street, NEW YORK.

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A full supply daily of the choicest
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FLOWERS.

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THE NEW YORK CUT FLOWER CO.

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Daily Reports. Weekly Payments:
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CONSIGNMENTS SOLICITED.

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New York.

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55 WEST 28TH STREET,

Telephone 421
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INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

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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.

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ROYAL EXOTIC NURSERY.

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E. J. VAWTER
GROWER AND DEALER
522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. 'Pho ne Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Umbria	1	Sat. Apr. 18, 8:00 a. m.	Apr. 22
New York	"	Campania	1	Sat. Apr. 23, 10:00 a. m.	Apr. 29
Boston	"	Ivernia	1	Tues. Apr. 12, 7:30 a. m.	Apr. 19
New York	Glasgow	Numidian	2	Thur. Apr. 14, 11:00 a. m.	Apr. 24
New York	Hamburg	Auguste Victoria	3	Thur. Apr. 21, 10:00 a. m.	Apr. 31
New York	"	Pretoria	3	Sat. Apr. 23, 11:00 a. m.	May 2
New York	Genoa	Prinz Oskar	3	Thur. Apr. 14, 10:00 a. m.	Apr. 29
New York	Copenhagen	United States	4	Wed. Apr. 13, 2:00 p. m.	
New York	"	Island	4	Sat. Apr. 23, 2:00 p. m.	
New York	Glasgow	Furoessia	5	Sat. Apr. 16, Noon.	Apr. 26
New York	"	Ethiopia	5	Sat. Apr. 23, Noon.	May 2
New York	London	Minnehaha	6	Sat. Apr. 16, 6:00 a. m.	Apr. 26
New York	"	Minneapolis	6	Sat. Apr. 23, Noon.	May 2
New York	Liverpool	Teutonic	7	Wed. Apr. 19, 10:00 a. m.	Apr. 20
New York	"	Celtic	7	Fri. Apr. 15, 5:00 p. m.	Apr. 22
New York	"	Cedric	7	Wed. Apr. 20, 8:00 a. m.	Apr. 27
Boston	"	Cymric	7	Thur. Apr. 21, 2:00 p. m.	Apr. 29
Boston	Mediter'nean	Canopic	7	Sat. Apr. 23, 3:30 p. m.	
New York	Southampton	St. Paul	8	Sat. Apr. 18, 9:30 a. m.	Apr. 22
New York	"	Philadelphia	8	Sat. Apr. 23, 9:30 a. m.	Apr. 30
New York	Antwerp	Kronland	9	Sat. Apr. 16, 10:30 a. m.	Apr. 26
New York	"	Zeeland	9	Sat. Apr. 23, 10:30 a. m.	May 2
New York	Havre	La Lorraine	10	Thur. Apr. 14, 10:00 a. m.	Apr. 24
New York	"	La Bretagne	10	Thur. Apr. 21, 10:00 a. m.	Apr. 31
New York	Rotterdam	Rotterdam	11	Tues. Apr. 12, 10:00 a. m.	Apr. 22
New York	"	Ryndam	11	Tues. Apr. 19, 10:00 a. m.	Apr. 29
New York	Genna	Sardegna	12	Tues. Apr. 12, 11:00 a. m.	Apr. 27
New York	"	Citta di Milano	12	Tues. Apr. 19, 11:00 a. m.	May 3
New York	Bremen	Kaiser Wilh. II	13	Thur. Apr. 14, 1:00 p. m.	Apr. 19
New York	"	Bremen	13	Thur. Apr. 21, 10:00 a. m.	May 1
New York	Genna	Hohenzollern	13	Sat. Apr. 23, 11:00 a. m.	May 6
Boston	Liverpool	Canadiana	14	Wed. Apr. 13, 8:00 a. m.	Apr. 23
Boston	"	Cestrian	14	Wed. Apr. 20, 1:00 p. m.	Apr. 30
Portland	"	Canada	15	Sat. Apr. 16, 2:00 p. m.	Apr. 26

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

JOHN BREITMEYER'S
SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. ***
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

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P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

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FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

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Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

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The New York, Chicago & St. Louis R.R.

NO EXCESS FARE ON ANY TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Care leave Chicago Tri-Weekly on Tuesday and Sunday at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address J. JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Etruria	1	Sat. Apr. 16	Apr. 23
Liverpool.....	"	Aurania	1	Tues. Apr. 19	Apr. 29
Liverpool.....	"	Lucania	1	Sat. Apr. 23	Apr. 29
Liverpool.....	Boston	Saxonia	1	Tues. Apr. 12	Apr. 19
Glasgow.....	New York	Laurentian	2	Sat. Apr. 23	May 2
Liverpool.....	Montreal	Ioanian	2	Thur. Apr. 21	May 2
Hamburg.....	New York	Bleucher	3	Thur. Apr. 14	Apr. 24
Hamburg.....	"	Moltke	3	Thur. Apr. 21	Apr. 31
Genoa.....	"	Prinz Adalbert	3	Sat. Apr. 16	May 1
Copenhagen.....	"	Hekla	4	Wed. Apr. 13	
Copenhagen.....	"	Oscar II	4	Wed. Apr. 20	
Glasgow.....	"	Columbia	5	Sat. Apr. 16	Apr. 26
Glasgow.....	"	Astoria	5	Thur. Apr. 21	Apr. 31
London.....	"	Mesaba	6	Sat. Apr. 16	Apr. 26
London.....	"	Minnetonka	6	Sat. Apr. 23	May 2
Liverpool.....	"	Majestic	7	Wed. Apr. 13	Apr. 20
Liverpool.....	"	Arabic	7	Fri. Apr. 15	Apr. 22
Liverpool.....	"	Oceanic	7	Wed. Apr. 20	Apr. 26
Liverpool.....	Boston	Cretic	7	Thur. Apr. 14	Apr. 21
Naples.....	"	Republic	7	Sat. Apr. 16	Apr. 28
Southampton.....	New York	St. Louis	8	Sat. Apr. 16	Apr. 23
Southampton.....	"	New York	8	Sat. Apr. 23	Apr. 30
Antwerp.....	"	Finland	9	Sat. Apr. 16	Apr. 26
Antwerp.....	"	Vaderland	9	Sat. Apr. 23	May 2
Havre.....	"	La Savoie	10	Sat. Apr. 16	Apr. 26
Havre.....	"	La Touraine	10	Sat. Apr. 23	May 2
Rotterdam.....	"	Statendam	11	Sat. Apr. 16	Apr. 26
Rotterdam.....	"	Potsdam	11	Sat. Apr. 23	May 2
Genoa.....	"	Lombardia	12	Mon. Apr. 11	Apr. 26
Genoa.....	"	Nord America	12	Mon. Apr. 18	May 2
Bremen.....	"	K. Wil. Der Grosse	13	Tues. Apr. 12	Apr. 19
Bremen.....	"	Kronprinz Wilhelm	13	Tues. Apr. 19	Apr. 26
Genoa.....	"	Prinzess Irene	13	Thur. Apr. 21	May 4
Naples.....	"	Neckar	13	Thur. Apr. 14	Apr. 26
Liverpool.....	Boston	Winifredian	14	Sat. Apr. 16	Apr. 26
Liverpool.....	"	Bohemian	14	Sat. Apr. 23	May 2

* See steamship list on opposite page.

Orchids!

Just arrived in perfect condition *Cattleya Mossiae*, *Oncidium papilio* (butterfly orchid), *O. ampliatum majus*, *Peristeria elata* (Holy Ghost orchid), *Catasetum* in var., *Cynoches*, *Epidendrum*, *Stachopeas*, *Dendrobium nobile*, *D. densiflorum* and *D. Chrysanthum*. Also a lot of bulbs of *Calanthe Veitchii* for immediate delivery.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Cattleya Trianae Just received grand lot in fine condition and well leaved, low price for large quantity. Address
A. PERICAT, Collingdale, Del. Co., Pa.

A Daily Cut From 40 Growers

"Highest Qualities"
AS WELL AS

"Under Grades"
At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR
Cut Flower Wants
TO ADVANTAGE.

Headquarters for "Superior Quality" Brand
Wild Smilax (None Better), Galax,
Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,
E. F. Winterson, John P. Degnan, L. H. Winterson,
Successors to McKellar & Winterson.
45-47-49 Wabash Avenue, CHICAGO.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

	Per Doz.
A.M. BEAUTIES, long stems,	\$4.00
" " 30-in. "	3.00
" " 20-24 "	2.00
" " 15-18 "	1.50
" " Short stems.....	.75 to 1.00
Per 100	
SUNRISE.....	\$5.00 to \$8.00
CHATENAY.....	6.00 to 10.00
BRIDE.....	5.00 to 8.00
BRIDESMAID.....	5.00 to 8.00
PERLE.....	3.00 to 8.00
CARNATIONS.....	2.00 to 3.00
ROSES, OUR SELECTION.....	4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

Please mention the American Florist when writing.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

Please mention the American Florist when writing.

S. S. Skidelsky,
708 N. 16th St., Philadelphia.

Please mention the American Florist when writing.

CARNATIONS, LILIES, ROSES, TULIPS AND VALLEY.

PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St., BOTH PHONES. CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough,
First Vice-Pres.; C. E. Kendel, Cleveland,
O., Sec'y and Treas.

Twenty-second annual convention, St.
Louis, Mo., June 21-23, 1904.

BERLIN, N. Y.—Arthur Cowee is building a large storage house for gladiolus bulbs.

DUTCH steamers brought in thousands of sacks of table potatoes to the port of New York last week.

MANY bean growers report their growing capacity well contracted for. If the season proves a good one there should be sufficient Wardwells to go around next year, a large acreage having been arranged for.

ARTHUR T. BODDINGTON, one of the incorporators and one-fourth owner of the Clucas & Boddington corporation, who has embarked in business for himself at 35 Warren street, New York, is one of the best known and most popular salesmen in the trade. He has the universal good wishes of all who know him.

BOSTON seed trade is nearly a month behind the normal and will have to be crowded into a very brief period this year. It is now well under way. All stores are running three and four nights each week. Stock is not heavy and will be pretty well cleaned up. There is no likelihood of surplus in any line.

A LETTER of March 23, from Santa Clara, Cal., states: "Owing to the losses by floods and the fact that the acreage of onions planted for seed in this section this year was only about one-half of what it was last season, the crop, under ordinary conditions, will be only fifty per cent of that of last year, so that there should not be any large surplus to throw on the market next fall."

Manifestly Ridiculous.

The whole thing (government seed distribution) is so manifestly ridiculous and so obviously opposed to rational principles of government that legislators ought to be ashamed of themselves for sustaining it.—*Chicago Post*.

Connecticut Seed Crop Prospects.

One of our well informed correspondents writes as follows: "Beets have carried over very badly owing to the very severe winter, frost having penetrated through the ordinary depth of covering into the pits, and these, as well as all other biennials, are coming out in bad shape. This applies to turnips, carrots and parsnips where pitted. Owing to the extremely high price of onions the crop in Connecticut will be lighter than usual for there is little inducement to plant onions that are worth from \$1.50 to \$2 per bushel for seed when the product is to be sold at a mere shade above seed grown in other sections of the country, where it can be produced at less than half the cost of producing it in this state."

Eastern Onion Sets Scarce.

The severe winter is making itself felt in the eastern onion set market. Growers who usually ship sets just as soon as the spring opens could not do so from the fact that this year the sets were frozen so solid that it took a long time to get the

frost out of them so they could be sent to customers. The season for handling sets has been about as unfavorable as it could possibly be. White sets of good quality are advancing fast and are now worth \$5 per bushel, which will make them at least \$6.50 to \$7 to consumers. Yellow and Reds are about the same as for the past month—Yellows, \$3; Red, \$3.50 to consumers. Potatoes are somewhat stronger, the best Maine samples selling to planters in a large way for \$3.75 to \$4.25 per barrel according to the variety.

More Sweet Corn Contracts.

SEWARD, NEB., March 14.—Saturday morning the jury in the case of the Sioux City Seed and Nursery Company against A. H. Bemis, brought in a verdict in favor of the defendant. The case was tried in the county court and lasted three days. The nature of the case aroused considerable interest. The litigation arose over a seed contract. The seed house replevined three hundred bushels of sweet corn, on January 15 of this year, raised by Mr. Bemis on his farm near Seward, and shipped the same to Sioux City, where the corn was sold to the seed company's customers. Mr. Bemis by way of answer denied the contract under which the corn was replevined and claimed damages for conversion. The evidence brought out the fact that an oral contract was made in January, 1903, whereby Mr. Bemis was to raise sixty acres of sweet corn and receive from the seed company 75

cents a bushel; that Mr. Bemis planted sixty acres of sweet corn but subsequently the company had tendered Mr. Bemis \$1 a bushel for the corn raised. Mr. Bemis contended that both parties mutually had broken the oral contract and that he was entitled to the market price of his corn. With that understanding he had sold fifty bushels of the corn in the fall to the Griswold Seed Company at Lincoln at \$3 a bushel. Mr. Emerson of Fremont and Mr. Robinson of Waterloo representing seed houses at the two cities, were used as expert witnesses on the value of sweet corn. Their testimony showed that sixty per cent of the sweet corn raised in the United States for seed purposes was raised in Nebraska. The jury found that the defendant was entitled to \$1.75 a bushel for his corn and the costs should be taxed to the plaintiff. —*Lincoln, Nebraska Star*.

Columbus, O.

There is no complaint from any one regarding Easter trade. All the florists report good business with prices about the same as in former years. There seemed to be plenty of stock to go around and most of it was of good quality. Violets were quite plentiful and of good quality. Lilies were more plentiful than had been expected earlier in the season. Rambler roses were quite good with some of the growers but did not move as readily as had been expected. Lilacs, azaleas, hyacinths and daffodils in pans sold quickly at good prices. CARL.

IMPORTANT TO PRIVATE GARDENERS

The system of allowing Private Gardeners a discount on their annual purchases of seeds has become almost universal; in fact, they have been gradually educated to expect it. We are offering this season

A Special Discount of 15%

ON ALL GENERAL SEED ORDERS AT OUR GARDEN GUIDE PRICES

Which are quoted as low as any reliable seed grower offers. Also, we deliver by freight or express prepaid to New York, Boston, Baltimore, Washington, Pittsburgh, Cincinnati or St. Louis. Garden Guide mailed free on application.

ROBERT BUIST COMPANY, SEED GROWERS, PHILADELPHIA, PA.

To CAPITALISTS, INSECTICIDE, MANURE and SUNDRY MERCHANTS.

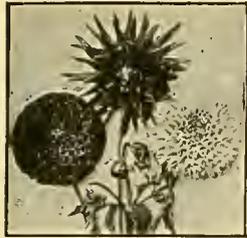
EXORS R. CAMPBELL,

Water Street, MANCHESTER, ENGLAND.

Has for sale outright the valuable AMERICAN PATENT RIGHTS of their apparatus for safely vaporizing Sulphur in greenhouses. The apparatus is meeting with enormous success in England, and is now the standard remedy for Mildew on Roses, Vines, Peaches, Chrysanthemums, Strawberries, Etc., Carnation, Cucumber, Tomato and other plant diseases; also the dreaded pest, Red Spider. The patent is most impervious and cannot be infringed or improved upon.

Any manufacturer of Manures, Insecticides or Sundries, buying this patent will prove it a GOLD MINE. It will sell in every greenhouse in America, and at the same time help to sell other lines. FULL PARTICULARS ON APPLICATION TO OWNERS.

For Testimonials see Issue of AMERICAN FLORIST, April 2.



Dahlias

Mrs. Winters

The World's Best White Dahlia. \$18.00 per 100.

Ingeborg Egeland, the best scarlet cactus, \$5.00 per doz. Other novelties and standards. Also 20,000 double field-grown Hollyhocks in separate colors of red, white, pink, yellow and maroon, \$3.00 per 100. Gladioli and hardy plants. Send for catalogue before ordering.

W. W. WILMORE, The Dahlia Specialist.
Box 382, DENVER, COLO.

TRUE ASPARAGUS PLUMOSUS NANUS SEED.

\$6.50 per 1000 seeds. Plants from flats, \$15.00 per 1000. Express paid.

California Carnation Co.,
LOOMIS, CAL.

Please mention the American Florist when writing.

EXTRA FINE Cabbage Plants

\$1.00 per 1000. Early Jersey, Wakefield, Flat Dutch, Brunswick, Winningstadt. Cash with order.

Birmingham Floral Co., Birmingham, Ala.
Avondale Station.

SWEET CORN.

We have a surplus of Sweet Corn, fresh 1903 crop, which we are offering in 2 to 10 bushel lots as follows:

Early Cory	Per bu. \$2.75
Mammoth Evergreen	3.00
Stowell's Evergreen	3.75

—WIRE OR WRITE—

ZIMMERMAN SEED CO., Topeka, Kas.

WANTED.

Japan Lilies of all kinds. State quantity, sizes and price.

James Vick's Sons
ROCHESTER, N. Y.

Cape Cod Pink Pond Lilies

Large, strong flowering roots, \$3.00 per dozen; \$15.00 per 100.

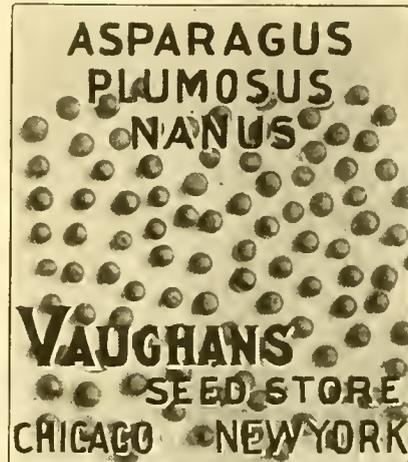
W. I. BODFISH, West Barnstable,
Cape Cod, Mass.

Tritomas.

Pätzler and Uvaria Grandiflora, Dahlias, named, Iris, Lilies, Zephyranthes, Canna Black Beauty, Amaryllis Formosissima. Bulbs and Hardy Plants. Write for price list.

E. S. MILLER, WADING RIVER,
N. Y.

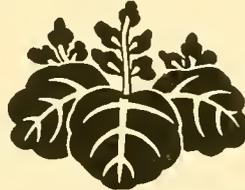
SEEDS for PRESENT SOWING



NEW CROP. GREENHOUSE GROWN SEED.
SPECIAL PRICE FOR THE NEXT TEN DAYS.
Per 1000 Seeds, \$6. 10,000 Seeds, \$55.
2 per cent cash with order.
The most profitable plant a florist can grow. Can be started every month and SELLS EVERY DAY IN THE YEAR.
Asparagus Plumosus Robustus, 100 seeds, \$1.00; 1000 seeds, \$10.00
Scandens Deltolexis, 100 seeds, \$1.25.

Vaughan's Seed Store,
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Lily of the Valley Pips.



For Immediate Delivery From Cold Storage

ALL THE YEAR ROUND.
PRICES ON APPLICATION.

Cycas Revoluta Stems.

1 to 5 lbs. each, 300 lbs. to case. Sold in case lots only.

Send for our list of Surplus Nursery Stock.
SUZUKI & IIDA, 31 Barclay St., NEW YORK.

Please mention the American Florist when writing.

Asparagus Plumosus Seed.

Sound and Plump Greenhouse Grown, 75c per 100; \$6.00 per 1000.

CYCAS STEMS, weighing 1 to 6 pounds each \$8.00 per 100 pounds; 300 pounds, \$21.00
TUBEROSE, The Pearl, 4-6, 75c per 100; \$6.50 per 1000.

ARTHUR T. BODDINGTON, 35 Warren Street, NEW YORK.

20,000 Florence Vaughan Canna Bulbs

\$1.00 per 100; \$7.00 per 1000. 20,000 DAHLIA BULBS, best mixed varieties, names having got lost; field-grown, divided roots. 5,000 FLORAL PARK JEWEL, \$2.00 per 100. 10,000 RUBECKIA, (Golden Glow). 500,000 CABBAGE PLANTS, out-door grown, ready May 1, \$1.50 per 1000. 5,000 MARK HANNA and THOMPSON'S No. 2 Strawberry, \$10.00 per 100. Two finest berries introduced. TOBACCO DUST, \$1.00 per 100. THOMPSON'S EARLIEST, the best early berry, \$1.00 per 100 by mail; \$5.00 per 1000 by express. Cash with order.

MARK T. THOMPSON, Rio Vista, Va.

IF YOU HAVE STOCK TO SELL.....

The best way to make that fact known to the trade is by regular advertising in the

The American Florist.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

LAFAYETTE, ILL.—Irvin Ingels of the Home Nursery, was married recently to Miss Rose Garner, at the home of the bride's sister in Stillwater, Okla.

AURORA, ILL.—The Aurora Nursery Company has been incorporated with a capital of \$5,000. The incorporators are J. K. Newhall, J. A. Young and F. C. Grometer.

RHUS AROMATICA is an admirable and altogether satisfactory ground cover under larger shrubs and trees and is especially valuable in dry soil where many other things would fail.

The steamship Staatendam carrying many hundred cases of Belgian nursery stock broke down in midocean and returned. The Slaterdyk will bring her cargo and is due April 8 or 9.

WILLIAMSBURG, IA.—A. J. Baumhoefener and Hugh Williams have purchased the interests of Hugh Harrington and W. P. McFann in the Williamsburg nursery and are now sole owners.

NEWPORT, R. I.—The best judges here seem to feel that during the past severe winter considerable shrubbery has been injured or killed. It is yet too early to know, but the good weather will tell the story.

NEW HAVEN, CONN.—The seventh annual convention of the New England Association of Park Superintendents is to be held here on June 14, 15 and 16. The parks of the city will be inspected on the second day, and on the third day a trip to Meriden is contemplated.

ST. JOSEPH, Mo.—William H. Barnes, secretary of the State Horticultural Society, has not heard of a single case of damage to fruit by the late cold snap. He predicts a bumper fruit crop this year. Judge Fred Wellhouse has reports from his orchard men in which a record-breaking yield of apples is predicted.

BARRYTOWN, N. Y.—The beautiful native perennials, which grow in great beauty and abundance in the peat soil of this locality, have been taken up as a

specialty by the Shatemuc Nurseries and a catalogue, both comprehensive and instructive, has been issued. The tendency of the taste of to-day is in the direction of a better appreciation of our native shrubs and herbaceous plants for effective garden work.

American Pomological Society.

The secretary of this national society of fruit-growers and students of horticulture, announces that the report of the proceedings of the Boston convention has just come from the press and is ready for distribution. This report contains an unusually large amount of valuable matter, including, as it does, the addresses of noted scientists and pomologists. Important changes appear in the amended code of nomenclature. For the first time the pomological history of the middle states is written up; the chapter

California Privet.

	Per 1000
25,000, 2½ to 3½ ft., very bushy.....	\$25 00
25,000, 2 to 2½ ft., bushy.....	20 00
25,000, 18 to 24 in.....	16 00
20,100, Canna Roots , mixed, best sorts.....	12 00
5,000, Golden Elder , 2-yr., strong.....	60.00

All orders are for cash.

W. G. EISELE, West End, N. J.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

"You Cannot Fool all the People all the Time."

This is as true now as the day when Lincoln said it, but still many bulb firms are trying to do it.

Write us and see what we have to offer before buying elsewhere.

John Scheepers, 136 Water Street, New York.
Farms at HILLEGOM, HOLLAND.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raffia, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

2,500 Norway,

Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in. At bottom prices.

J. J. STYER, Concordville, Pa.

NATIVE PERENNIALS

FOR PARK AND GARDEN.

Rosa Carolina, Asclepias, Helenium, Lobelia Cardinalis, Lythrum Salicaria, Thalictrum, Iris, etc. Price list sent on application.

Shatemuc Nurseries,
BARRYTOWN, Dutchess Co., N. Y.

on ideals in pomology is full of suggestions; the cold storage of fruits is thoroughly discussed. There is also to be found an important contribution on the judging of fruits by the score-card method. Originators of new fruits should acquaint themselves with the method of ad interim awards recently adopted by the society whereby the grower can enter a new fruit for a Wilder silver medal at any time of the year. The biennial fee is \$2; life fee \$20, payable to Treasurer L. R. Taft, Agricultural College, Mich, or Secretary John Craig, Cornell University, Ithaca, N. Y.

AZALEA AMOENA.

From open ground, 1 ft., per 100.....\$25.00
1-yr. plants from 2½-in. pots, per 100, 10.00

SAMUEL C. MOON,
MORRISVILLE, PA.

Please mention the American Florist when writing.

A. W. SMITH'S

HYBRID MOON VINES

Ipomœa Noctiflora, 2½-inch pots,
\$5.00 per 100.

GODFREY ASCHMANN,
1012 Ontario St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

J. DIJKHUIS & CO.

BOSKOOP-HOLLAND.

QUALITY. QUANTITY.

Ask our prices for

AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.

Price List Free on Application.

Please mention the American Florist when writing.

W. VAN KLEEF, JR.,

Representing W. VAN KLEEF & SON,
BOSKOOP, HOLLAND.

Wholesale Growers of Nursery Stock, is now in this country visiting the trade. He will remain until the end of April. All correspondence intended for him should be directed to him in care of Maltus & Ware, 136 Water Street, New York. Send for our complete catalogue and price list.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Dormant Roses.

FIELD-GROWN. H. P.'s and Mosses. MANETTI STOCKS. Fine disbudded plants. No. 1, 2 and 3. Only in lots of 5000 and upwards. Prices and samples upon application.

Huntsville Wholesale Nurseries,
Huntsville, Ala.

Please mention the American Florist when writing.

A FINE LOT OF

AZALEAS AND HYBRID RHODODENDRONS.

SEND FOR PRICES.

EASTERN NURSERIES, Jamaica Plain, Mass.

LOUIS LEROY, ANGERS-S. (FRANCE)
BOSKOOP (HOLLAND)
MIKOSTERSONS
OVER 1000 ACRES OF FINEST CULTURES.
IMPORT & WHOLESALE ONLY
REPRESENTING BEST WHOLESALE EUROPEAN NURSERIES.
SEEDLING STOCK, SHRUBS, ORNAMENTAL TREES, EVERGREENS, FORCING PLANTS.
SUPERIOR QUALITY, GRADING AND PACKING.
SATISFACTION GUARANTEED.
AUG. RHOTERT, 26 Barclay St. N.Y.
EJ. LOOYMAN & SONS, QUINEN BOSCH, HOLLAND
J. PALMER & SON, ANN ARBOR, MICH.
J. F. MULLER NURSERY, Rellingen. (Germany).
FINEST RAFFIA AND TREE SEEDS.

Evergreens AND Deciduous Trees



The Glenwood Nurseries offer the finest Trees both **EVERGREEN** and **DECIDUOUS, FLOWERING SHRUBS** and **VINES** OF ALL SIZES IN GENERAL ASSORTMENT.

LARGE SIZE TREES and **SHRUBS** are a specialty with us. We have them in quantity. Special quotations to large buyers. Send us a list of your wants.

Trade List Ready. Send for one.

The WM. H. MOON CO.,

60 Miles from New York.
30 Miles from Philadelphia.

Morrisville, Pa.

Cannas.

The Express, best dwarf crimson Canna to date. Strong plants from 3-inch pots. \$1.50 per dozen; \$10.00 per 100.

The following varieties in two eye, dormant roots at \$2.00 per 100: Tricadora, Leopard, Explorateur Crampbel, Florence Vaughan, Oscar Dannacker, Maple Avenue, Charles Henderson, Mme. Louis Druz, Pierson's Premier, Crimson Bedder, C. Drevev, Rosemawr, J. Collette Rochaine, Mrs. R. McKeand and Mollied Queen.

Pennsylvania, \$3.50 per 100.

Mixed Cannas, \$1.00 per 100; \$8.00 per 1000.

GERANIUMS.

Strong fall struck plants from 2-inch pots. The following varieties at \$2.50 per 100.

- | | |
|--------------------|--------------------|
| 125 MME. BARNEY. | 150 LaFAVORITE. |
| 130 SAM SLOAN. | 125 MRS. E.G.HILL. |
| 300 MME. LANDRY. | 150 MARVEL. |
| 800 JEAN VIAUD. | 250 S. A. NUTT. |
| 100 MME. FOURNIER. | 300 DRYDEN. |

Nathan Smith & Son,
ADRIAN, MICH.

Please mention the American Florist when writing.

Jacs Smits, Ltd. NAARDEN, (Holland.)
(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality.

When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. PEONIES, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 per 100. H. P. ROSES, dormant, own roots, \$1.50 per doz.; \$12.00 per 100. CLEMATIS PANICULATA, 2 and 3 year, \$1.00 per doz. F. A. BALLER, Bloomington, Ill.

CANNAS

DORMANT ROOTS.

We still have a few 1000 Cannas of the best varieties from \$1.00 per 100 up. KENTIA BEL-MOREANA, 3-inch, \$1.50 per doz.; 4-inch, extra fine stock, \$3.00 per doz. VINCA VARIEGATA, extra strong, \$8.00 per 100.

W. W. COLES, Kokomo, Ind.

Look, Think, Buy.

- | | |
|----------------------------------|----------------|
| Per 100 | 1000 |
| Sprengeri, from seed box | \$1.00 \$8.00 |
| English Ivy, 2-inch pots | 1.50 12.00 |
| Vincas, 4-inch pots, strong | 5.00 |
| Maderia, vine roots | 1.00 |
| Early Gem and Mammoth Sugar Corn | \$1.00 per bu. |

F. Walker & CO., Box 316, New Albany, Ind

We quote per 1000. 100 or more at 1000 rates.

	¾-in.	¾-in.	½-in.	¾ ft.
APPLE, 52 varieties	\$ 350.0	\$ 30.00	\$ 20.00	
PEACH, 32 varieties	45 00	40 00	35 00	\$ 25.00
PEAR, Std., 14 vars.	100.00	90.00		
PEAR, Dwf., 8 vars.	55.00	45.00	40.00	
CHERRY, 7 varieties	18.00	160.10	140.00	
APRICOT, 6 varieties	100 00	8 .00		
PLUM, 10 varieties	240.00	200.00	140.00	
BLACKBERRY, 6 varieties, first-class, R. C. plants, per 1000				\$10.00
CURRENTS, 7 varieties, first-class, 2-year plants, per 1000				50 00
SHRUBS, 15 sorts, 2 feet, per 1000				65 00
SHRUBS, leading sorts, 3 to 4 feet, per 100				8.00

Shade and Ornamental Trees.

	Per 100	¾ to 1-in.	1-in.	1½-in.	2 in.	3-in.
CAR. POPLAR, 1st class	\$ 9.	\$15.	\$20.	\$30.	\$40.	
SOFT MAPLE, 1st class	7.	9.	12.	20.	35.	
ELM, Amer'n, 1st class	10.	14.	20.	30.		
HARD MAPLE, 1st class	20	35.				
WILLOW, assorted	18.	22.				
BOXELDER	12.	14.	18.			
CATALPA SPEC.	12.	14.	20.			

Shrubs, Etc.

	2 ft. per 100.	3 to 4 ft per 100
SYRINGA, Garland	500 \$5.00	600 \$ 9.00
SPIRAEA, Bill	500 5.00	700 9.00
" Van Houttei	600 6.00	1000 12.00
LILAC, purple	40 5.00	400 8.00
WEIGELIA, V. L.	190 9.00	
BERBERRY, purple	600 3.00	700 5.00
FRINGE, purple	450 5.00	400 8.00
HYDRANGEA, P. G.		800 8.00
ALTHEA, assorted		1000 7.00
YUCCA		400 4.00

5 Through Trunk R. R. Lines from Springfield, Ill.

Free Boxing for cash before shipment and at cost if payment by May 15th. Certificate from Entomologist on each shipment. Can Ship Quick.

Yours sincerely,

SPAULDING NURSERY AND ORCHARD COMPANY,

(Near Springfield) SPAULDING, ILL.

Please mention the American Florist when writing.

Vinca Variegata

Large clumps, nice young growth, \$4.50 per 100 to close out

AGERATUM, Gurney, Pauline. SALVIA, Splendens, Silver Spot, Bonfire. PETUNIA, double, 15 kinds. VINCA, variegated, DOUBLE ALYSSUM, GIANT MARQUERITE DAISY, 2-inch, 2c.

REX BEGONIA, 2 sorts, 3c.

Rooted Cuttings Prepaid. SALVIA, Silver Spot, Bonfire, Splendens. STEVIA, variegated, 90c per 100. AGERATUM, S. Gurney, P. Pauline. ALTER-NANTHERA, red, yellow; COLEUS, Verschaffeltii, Golden Bedder and 10 other sorts, 50c per 100. PINKS, 5 fine kinds, 75c per 100. VINCA, Variegated, 75c per 100. PETUNIA, double, 15 kinds, \$1.00 per 100. FUCHSIAS, 5 kinds, \$1.00 per 100. MARGUERITE DAISY, \$1.00 per 100. HELIOTROPE, blue, \$1.00 per 100. REX BEGONIA, assorted, \$1.10 per 100. LANTANA, Trailing and Harkett's Perfection, \$1.00 per 100.

HARDY PINKS, Field clumps, good sorts, \$4.50 per 100 to close out.

CASH

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.

CALIFORNIA PRIVET.

	Per 1000
200,000 2 yrs., 2 to 2½ ft., very bushy	\$20.00
150,000 2 yrs., 18 to 24 in., very bushy	16.00
100,000 2 yrs., 12 to 18 in., very bushy	10.00
200,000 1 yr., 12 to 18 in., branched	9.00
200,000 1 yr., 10 to 12 in., branched	7.00
100,000 Cuttings, 8 in., strong	.80
100,000 Cuttings, 8 in., light	.60

Also have 10,000 Canna Roots in ten leading varieties from 75c to \$1.00 per 100. 2,000 Double Grant Geraniums from 2½-inch pots, \$2.00 per 100. Write for trade list.

J. H. O'HACAN, Little Silver, N. J.

Our Pastimes.

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

Address all correspondence for this department to Win. J. Stewart, 43 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

The New York Florists' Bowling Club's bowling enthusiasm was apparently cooled off by the strain of Easter work for on Monday night there were but six members on hand to try conclusions on the alleys. They rolled several games the following record giving the three best scores made by each:

Player—	1st	2nd	3rd
Shaw.....	131	155	167
Siebrecht.....	159	172	175
O'Mara.....	161	164	176
Frank.....	146	153	184
Gibbs.....	112	130	147
Nugent.....	118	125	140

At Chicago.

The Florists' Club bowling team with a full complement of ladies enjoyed Tuesday evening, April 5, at the Geroux alleys. The following table tells the results of three hotly contested games:

Player	1st	2d	3d
Asmus.....	125	99	177
Hauswirth.....	133	187	189
Winterson.....	160	137	125
Stevens.....	135	203	140
Scott.....	147	162	135
Stollery.....	146	158	160
Bender.....			93

LADIES.

Player	1st	2nd	3d
Mrs. Asmus.....	83	99	85
Mrs. Hauswirth.....	150	139	90
Mrs. Scott.....	79	65	58
Mrs. Stollery.....	90	106	62
Mrs. Ell.....	67	72	59
Mrs. Winterson.....	68	72	135

Cleveland.

The consensus of opinion seems to be that the demand for plants and cut flowers this Easter equaled that of last year, but prices were decidedly lower. More plants were sold, but the prices of last year were not realized, except in lilies, which, contrary to all expectations, were scarce. Those who were fortunate enough to have a good stock had no difficulty in disposing of it at good figures; 25 to 50 cents per flower and bud was the retail figure. Small and medium sized azaleas were in brisk demand, also Crimson Ramblers. The stock of this popular rose offered for sale was never in better condition and sold like hot cakes. Hydrangeas lagged, sales had to be forced. Spiraeas sold well as also did hyacinths and daffodils. Tulips were a glut and hung fire. In the cut flower line roses, carnations and violets sold well. Roses were about equal to the demand. Carnations were scarce. More violets could have been disposed of. The weather was fair but toward evening it grew colder which interfered somewhat with deliveries.

The magnificent display made by the stall holders in the Sheriff street market was a surprise to everyone considering the earliness of Easter. Owing to lack of space the plants had to be elevated on platforms erected ten to twelve feet high. One can imagine the brilliant effect eight or ten of those high stages would create loaded down with gorgeous Easter plants all crowded into a space 50x100 feet. Such an effect was to be seen at the market Saturday morning. Outside the

market house the curb was also lined with plants, which were a fine lot, hardly a poor plant to be seen. First prize went to G. M. Nauman, who had a splendid display, including azaleas, genistas, lilies, Ramblers and hybrid roses in pots. S. N. Pentecost got second prize with an equally fine display. His hydrangeas and Ramblers were fine. The third prize went to F. W. Berger, who had a nice lot of well done Azalea mollis, hybrid roses, etc. Casper Aul had a fine lot of lilies, Ramblers and azaleas. John Mollenkopf had a fine lot of superbly finished Ramblers; also lilies of a high order. August Schmitt had his usual grand lot of plants. Mr. Schmitt did not enter into competition for any of the prizes. G. G. Stehn, among other good things, had a lot of extra well done hyacinths in pots and pans. Leonard Utzinger had a splendid lot of azaleas, lilies and Ramblers. Mr. Gamble was the only one in the market to show rhododendrons, which sold readily. His pot hybrid roses were good.

At the cut flower market everything went with a whoop. The boys claim the business was equally as good as last year, but prices were lower. Orders were placed quickly and all got out on time. Some consignments arrived too late on Sunday morning to be of much value. The following were the prices: Roses, tea, \$4 to \$10; Beauty, \$1.50 to \$6 per dozen; violets, 75c to \$1 for single; Gov. Herrick, Carlton's new single one brought \$1.25 per 100; lilies, \$12.50 to \$15; carnations, \$3 to \$6; valley, \$3 to \$4; daffodils and tulips, \$3; smilax at a premium.

The J. M. Gasser Company had an exceptionally fine lot of Rambler roses and lilies. The store presented a very handsome appearance and they report business good.

Smith & Fetters had to have an annex to accommodate the large quantity of extra fine stock they had for sale; nothing but the very cream is handled by this firm.

Collins & Harrison did a rushing business, principally in cut flowers, of which they handle the finest the market affords, principally long stem Beauty roses.

Westman & Getz had all they could do to handle their Euclid avenue trade.

Baumont & Company had a nice display of plants and cut flowers.

Milton Parks opened his new store in the Citizens Building on Euclid avenue. The store is finished in marble.

ECHO.

Detroit.

Easter trade was much the best ever experienced here. But, tremendous as the demand was, most all the dealers were amply prepared for it with an immense stock of most all kinds of flowering plants and cut flowers. Everyone's facilities were taxed to the utmost, however. Every dealer's experience showed the call to be chiefly for flowering plants in lieu of cut flowers. Violets alone escaped the discrimination and enormous quantities of them were sold and far in excess of the number sold a year ago. At times through the week it appeared that Easter lilies would be in over supply, and the prices moderated considerably, but early on Saturday it was seen that a shortage would exist in most places, which later proved to be true. Azaleas were very popular and sold readily, great numbers being disposed of. Hyacinths, tulips and daffodils in pots and pans were moved in great numbers. Some Crimson Ramblers were

on the market and they sold well, while lilacs, snowballs and rhododendrons and other novelties in plants seemed in little favor. The plant-filled baskets daintily trimmed were much favored for the more costly gifts, and most all of those prepared were sold. The supply of roses and carnations was about equal to the demand, but no fancy prices were realized. There was but little demand for American Beauty roses. The weather of Saturday could not be called favorable, being very windy, cloudy and some of the time raining, turning to very cold in the evening, and by Sunday morning eight degrees of frost made some trouble for early deliveries.

The Florists' Club meeting, Wednesday evening, April 6, was fairly well attended. Much of the time was given to the consideration of lily culture. The club recently received, direct from Bermuda, a report of the result of an experiment made jointly by a botanical station there and Kew Gardens, England, three years ago, with bulbs allowed to mature before removing and shipping, and a lot which had their blooms cut previous to maturity. Both lots of bulbs were shipped to the Kew Gardens and there grown to flowering period, all receiving the same general treatment, but with results vastly different. The bulbs which had matured perfectly produced thirty-three per cent better results than the others. This information led to a resolution denouncing the practice of Bermuda growers shipping to this country cut blooms, and an appeal will be also addressed to the Society of American Florists asking the exercise of its influence to bring about legislation prohibitory of the practice.

Geo. W. Davis disappeared from his home last Monday morning. He took with him the entire receipts of his Easter week sales, estimated at \$1,000. He left behind him his wife and two small children and many anxious creditors.

J. F. S.

Springfield, Mass.

The outlook for Easter sales was gloomy owing to the weather which was very threatening. A snowstorm followed by rain all day April 1 kept buyers at home, but by April 2 we got a change and with it came the rush. Every one had all he could attend to. Plants and cut flowers sold well. Lilies, azaleas, lilacs, spiraeas, tulips, Rambler roses, hyacinths and violets in pots and pans were in good demand. Prices were about the same as in previous years. Made-up baskets of hyacinths, geraniums, azaleas and lilies sold well and a few good baskets of mixed plants were taken up. In cut flowers violets took the lead. Carnations, roses, tulips, daffodils and valley went off well. In violets one retailer sold 25,000 and could have sold more.

Mark Aitken reports prices about the same as former years with good sales. Messrs. Fairfield, Schlatter and L. D. Robinson report business as the best they ever had. Wholesale growers say sales were good and they would have sold more if they had had it. A. B.

BLOOMINGTON, Ill.—W. T. Hempstead was the victim of some sharpers last week. They ordered \$10 worth of flowers and palms sent to 316 East Locust street. A swindler met the delivery wagon, secured the flowers and then, going to the back yard, made his exit from the rear.

PEONIAS, DOUBLE HERBACEOUS

The following list of Peonias can be supplied from storage in strong divisions with from two to four eyes each in excellent condition for spring planting.

	Per doz.	Per 100
Andre Lauries, soft velvety red	\$2.00	\$15.00
Beaute Francaise, delicate pink tipped blush	2.00	15.00
Christine, soft pink, shading lighter	1.50	12.00
Comte d'Osmonde, white with sulphur center	2.00	15.00
Coralie Mattheu, purplish red, golden antlers	2.00	15.00
Delicatissima, delicate rose, very fragrant	2.00	15.00
Doyen d'Engliem, light carmine	2.00	15.00
Duke of Wellington, ivory white with creamy center	2.50	20.00
Eclatante, a fine dark crimson with golden antlers	2.00	15.00
Edulis Alba, a good double white	2.00	15.00
Elegans, soft pink	1.50	12.00
Elegantissima, bright pink	1.50	12.00
Faubert, bright purplish red	2.00	15.00
Festiva Alba, a fine standard white	2.00	15.00
Festiva Maxima, the fine and popular white variety for cut flowers	5.00	40.00
Formosa, white, tinted blush and chamois in center	1.50	12.00
Fragrans, deep pink, shading lighter toward the edges	2.00	15.00
Golden Harvest, near approach to a yellow	2.50	20.00
Grandiflora Nivea, flesh, changing to white	2.00	15.00
" Rubra, extra large, blood red	2.00	15.00
Josephine Parmentier, rose with pink center, suffused salmon	1.50	12.00
Laetitia, flesh color	2.00	15.00
L'Esperance, a fine sweet scented rose	2.00	15.00
Lutea Variegata, rose, creamy center and rose colored tufts	2.50	20.00
Mme. Carpentier, salmon rose	1.50	12.00
Mme. Coste, creamy white, center petals, tipped carmine	2.00	15.00
Mons. Bellart, fine purplish crimson	1.50	12.00
Mons. Rousselon, rose with chamois center	2.00	15.00
Nobilissima, rose with silvery border	2.00	15.00
Pamponia, large rosy pink salmon center	2.00	15.00
Pottsil, rosy red	1.25	10.00
Reine des Flandres, late rosy red	1.25	10.00
" Hortense, delicate rose, chamois center	2.00	15.00
Rosea Elegans, lively rose	1.50	12.00
" Superba, an extra fine rosy pink	2.00	15.00
Rubra Triumphans, rich glowing center	2.00	15.00
Sapho, rosy red, lighter center	1.25	10.00
Triomphe de Gand, creamy white with yellow center	2.00	15.00
Victoria Tricolor, outer petals pale rose, mottled pink, center creamy white	2.00	15.00
Whitlay Pleua, semi-double blush white, cream center	1.50	12.00



WE WILL SUPPLY ONE EACH OF THE FORTY VARIETIES FOR \$6.00.

DOUBLE HERBACEOUS PEONIAS TO COLOR.

	Per doz.	Per 100
Double White	\$1.25	\$10.00
Double Red	1.00	8.00
Double Pink	1.00	8.00
Double Crimson and Purple	1.25	10.00
Double Mixed, all colors	1.00	8.00

EARLY-FLOWERING HERBACEOUS PEONIAS.

Officinalis Rubra, rich crimson	1.00	8.00
Officinalis Rosen, soft pink	1.50	12.00
Officinalis Alba, bluish white	2.00	15.00
Tenuifolia fl. pl. or Fringe-Leaved, double crimson	2.00	15.00

JAPANESE SINGLE PEONIAS.

	Per doz.	Per 100
12 Distinct Varieties	\$2.00	\$15.00

JAPANESE TREE PEONIAS.

12 Distinct Double Varieties	each, 60c.; 6.00	45.00
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For a complete list of Hardy Perennials for which we are headquarters see our Current Wholesale List.

HENRY A. DREER, Philadelphia, Pa.

Please mention the American Florist when writing.

ROSE PLANTS.

STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

	Per 100	1000
AMERICAN BEAUTY	\$6.00	\$50.00
MME. CHATENAY	6.00	50.00
SUNRISE	5.00	40.00
KAISERIN	3.00	25.00
LIBERTY	5.00	40.00

	Per 100	1000
MAID	\$3.00	\$25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	3.00	25.00
IVORY	3.00	25.00

ROSE CUTTINGS—Well Rooted.

	Per 100	1000
IVORY	\$1.50	\$12.50
MAID	1.50	12.50
BRIDE	1.50	12.50

	Per 100	1000
GOLDEN GATE	\$1.50	\$12.50
PERLE	1.50	12.50
SUNRISE	3.50	30.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

	Per 100	1000
MRS. LAWSON	\$1.50	\$12.50
MRS. E. A. NELSON	2.00	15.00
GUARDIAN ANGEL	1.25	10.00
MRS. HIGINBOTHAM	2.00	15.00
SYBIL	3.00	25.00
McKINLEY	3.00	25.00
JOOST	1.25	10.00

	Per 100	1000
MURPHY'S WHITE	\$3.00	\$25.00
FLORA HILL	1.25	10.00
WHITE CLOUD	1.25	10.00
PERU	1.25	10.00
QUEEN LOUISE	1.25	10.00
NORWAY	1.25	10.00
MARION	1.25	10.00
GOV. LOWNDES	3.00	25.00

	Per 100	1000
ESTELLE	2.50	20.00
MRS. INE	1.25	10.00
CHICAGO (Red Bradt)	2.00	15.00
HARLOWARDEN	3.00	25.00
ROOSEVELT	3.00	25.00

	Per 100	1000
MRS. BRADT	2.00	15.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Please mention the American Florist when writing.

CHOICE GRAFTED

ROSES

On Extra Selected English Manetti Stock. Ready April 1st.

BRIDE, MAIDESMAID, GOLDEN GATE, IVORY, FRANZ DEEGAN, } 2 1/2-inch pots.
 \$12 per 100;
 \$100 per 1000.
 \$18 per 100.

S. J. REUTER,
 WESTERLY, R. I.

Please mention the American Florist when writing.

ROSES.

We grow over 100,000 annually for the trade of the following varieties: Prices per 101.

No.	Variety.	R. C.	2x2 1/4 In.	2 1/4x3 In.	3x3 In.
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Bride.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	La France.....	2.00	3.00	4.00	6.00
8	A. V. Kaiserin.....	2.00	3.00	4.00	6.00
9	Wootton.....	2.00	3.00	4.00	6.00
10	Belle Seibrecht.....	2.00	3.00	4.00	6.00
11	Pres. Carnot.....	2.00	3.00	4.00	6.00
12	American Beauty.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

We believe in shifting young Roses often. All stock offered in 2 1/4-in. pots have been shifted from 2-in. and are equal to most stock advertised as 3-in., and when we send it out is well established. Try our 3-in. size of **IVORY** at \$6.00. Have only 1,000 of this size left. Don't forget Boston and Pierson Ferns, Plumosus and Sprengeri.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

American Beauty.

From bench, 1-year-old, cut back, \$10.00 per 100; \$90.00 per 1000. American Beauty, 2 1/2-in. pots, \$5.00 per 100.

Bride, Bridesmaid, Golden Gate, } 2 x 2 1/4-inch pots, \$3.00 per 100;
 \$25.00 per 1000.
 Forget-me-nots, 2 1/2-inch, \$3.00 per 100.

RHOTEN BROS. & CO., Box 5, Danville, Ill.

Grafted Roses 20,000 Brides and Maids.

These are on imported manetti stock and nothing but healthy, flowering wood being used. Price, \$120 per 1000.

WM. A. LEONARD, Lansdown, Pa.

ROSES.

Nice 2-year old dormant plants of the following varieties: Yellow Rambler, Gerdania, Wichuriana, Universal Favorite, Manoa's Triumph, Evergreen Gem and South Orange Perfection, 6c each; \$5.00 per 100.

IOWA SEED CO., Des Moines, Ia.

Roses From 2 1/2-Inch pots.

1,000 Golden Gate, 1,000 Ivory, a few Bride and Bridesmaid. Fine stock, free from any disease at \$3.00 per 100. Guarantee stock all O. K.

FOSTORIA FLORAL COMPANY,
 FOSTORIA, OHIO.

Rooted Cuttings

BRIDE and BRIDESMAID \$1.50 per 100; \$15.00 per 1000, from carefully selected wood and well rooted.

L. B. CODDINGTON, Murray Hill, N. J.



American Beauty.
 Good Stock from 2 1/2-inch pots, \$5.00 per 100.
 Also Cut Flowers in any quantity at Lowest Market Prices.
 Good Stock of **CHATENAY** and **SUNRISE** in 3-inch pots, \$5.00 per 100.
HELLER BROTHERS, New Castle, Ind.

Please mention the American Florist when writing

Cardinal New Roses Enchantress

Read Testimonials from two of the largest growers in Washington who have bought large number of plants after seeing them growing at my place.

Your new rose Cardinal came duly to hand, and we firmly believe it will have a great future and will certainly be a money-maker, as it is in a class all to itself, being superior in form and habit to anything that we have as yet seen. Your new rose Enchantress we also think will be a great money-maker, judging from its profuse blooming quality, as we have seen it several times in mid-winter. It cannot help being a winner. Wishing you every success, we remain,
 Yours truly, A. GUDE & BRO.

WASHINGTON, Feb. 27, 1904.

Dear Sir:—We gave all the show possible to Enchantress and Cardinal, placing them in our window with placards, telling what they were. They kept a week, retaining their brilliant color to the last. Cardinal was as full of perfume the day the petals dropped, as when it was first cut. The roses are both matchless, and we believe destined to out-class all roses of their color for forcing under-glass. Very sincerely yours,
 AMERICAN ROSE CO., per B. D.

AMERICAN ROSE COMPANY, 909 F Street, WASHINGTON, March 17, 1904.

	Per 100		Per 100
CARDINAL, 2 1/2-inch pots.....	\$30.00	ENCHANTRESS, 2 1/2-inch pots.....	\$30.00
" 3 -inch pots.....	35.00	" 3 -inch pots.....	35.00

Not less than fifty sold at present. Cash with order. Stock limited.

JOHN COOK, 318 N. Charles Street, Baltimore, Md.

Please mention the American Florist when writing

GRAFTED ROSES On Dickson's Irish Manetti Stock.

Plants from 2 1/2-inch pots, \$12.00 per 100; \$100.00 per 1000.

KAISERINS—(Now ready.) BRIDES and BRIDESMAIDS. Order now as stock is limited.

AMERICAN BEAUTY ROSES, own root, strong plants from 2 1/2-inch pots, now ready. \$6.00 per 100; \$50.00 per 1000.

GARDENIAS. Strong plants from 2 1/2-inch pots for growing on for winter blooming. \$6.00 per 100.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....\$.75	100 Plants and over and less than 1,000, each.....\$.25
12 Plants, each......60	1,000 Plants and over, each......20
25 Plants, each......50	3-inch pot plants, 5c each additional.
50 Plants and over and less than 100, each......30	PRICES OF GRAFTED STOCK GIVEN ON APPLICATION.

JOHN BREITMEYER'S SONS,
 Gratiot and Miami Aves., DETROIT, MICH.

SELLING AGENTS:
 ERNST ASMUS & SON,
 A. ROLKER & SONS,

MICHIGAN CUT FLOWER EXCHANGE,
 VAUGHAN'S SEED STORE,
 S. S. SKIDELSKY,

J. AUSTIN SHAW,
 CLUCAS & BODDINGTON CO.

100,000 Grafted Rose Plants

We are now grafting on Manetti the above amount on all selected flowering wood. No Blind wood used at all. We offer for sale ready for delivery April 1st.

BRIDE AND BRIDESMAID, \$12.00 per 100; \$100.00 per 1000.
 LIBERTY, \$15.00 per 100.

If you wish to grow better grade roses, give grafted stock a trial.

ROOTED CUTTINGS. The Very Best Commercial Varieties.

All of our cuttings are selected carefully and we try to see how good we can make them, not how cheap.

ROSES ROOTED CUTTINGS, Brides, Bridesmaids and Gates, \$1.50 per 100. Kaiserin and Perle, \$2.50 per 100.
 CHATENAY ROSE PLANTS, 2½-inch pots, \$5.00 per 100; \$50.00 per 1000. Ready March 1.

CARNATIONS ROOTED CUTTINGS

WHITE.	Per 100	Per 1000	PINK.	Per 100	Per 1000	RED.	Per 100	Per 1000
Lillian Pond.....	\$3.50	\$30.00	Lawson.....	\$2.50	\$20.00	Red Bradt.....	\$2.50	\$20.00
Gov. Wolcott.....	3.50	30.00	Morning Glory.....	2.50	20.00	Crane.....	2.50	20.00
White Bradt.....	2.50	20.00	Floriana.....	2.50	20.00	America.....	2.50	20.00
White Cloud.....	2.50	20.00	Enchantress.....	6.00	50.00	VARIEGATED.		
Norway.....	2.50	20.00	Joost.....	2.50	20.00	Prosperity.....	2.50	20.00
						Mrs. Bradt.....	2.50	20.00

Yellow—Gold Nugget, \$2.50 per 100; \$20.00 per 1000. Maroon—Maceo, \$2.50 per 100; \$20.00 per 1000. Orders aggregating 250 or more will be billed at the 1000 rate. No order for less than 50 of one variety accepted. All cuttings and plants shipped from Hinsdale.

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

Worcester, Mass.

Easter trade was very satisfactory notwithstanding that rain fell all day Friday, and Thursday and Saturday were not warm enough to tempt people out of doors. While some of the storemen report an increase over last year's trade the receipts in many cases were not much over last year. Lilies were plentiful and conservative buyers closed out at good prices, while many of the plungers had large quantities left over. The department stores, as a rule, were in this class and Saturday night were selling lilies at twenty-five cents a pot that cost them at least forty cents. There was also an over supply of all kinds of bulbous stock, but all other Easter plants cleaned up well. Cut flowers were plentiful in all lines, with the exception of violets, many frames of which were too late for heavy picking. Orders from nearby towns showed a marked increase.

As has been usually the case, large orders for funeral work for early Monday deliveries kept the tired storemen busy until late Sunday evening.

H. F. A. Lange opened an extra store to display his large Easter stock and reports an increased trade.

The Bay State Floral Company which opened about a month ago has discontinued business.

Hansen & Lundeen have opened a flower store at 260 Main street. L.

Omaha, Neb.

Easter business was the best for the last fifteen years. We were very fortunate in regard to the weather. Thursday, Friday and Saturday were nice, bright days, and Sunday was one of the nicest Easter Sundays we ever had. The florists' window displays were the finest they ever had. Lilies took the lead in pot plants, azaleas second. Pans made up of hyacinths, tulips and valley sold well. Dutch hyacinths in pots were a drug. Lilies sold all the way from 12½ cents to 20 cents per blossom. Roses, teas, brought \$1 to \$2; carnations, 75 cents to \$1.50; American Beauty \$3 to \$6. Bulbous stock sold well this year. Saturday afternoon after four o'clock all the good lilies were sold. Carnations were somewhat scarce but the quality made it up and the roses were never better.

GRIPPE.

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW HEAVY AT \$12.00 per 100;
\$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3½-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimsons. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEENS, L. I.
Please mention the American Florist when writing.

CARNATIONS.

	Per 100	1000		Per 100	1000
CRUSADER, scarlet.....	\$10.00	\$80.00	ESTELLE, scarlet.....	\$3.00	\$25.00
FLAMINGO, scarlet.....	12.00	100.00	HIGINBOTHAM, light pink.....	4.00	30.00
LADY BOUNTIFUL, white...	12.00	100.00	BOSTON MARKET, white.....	3.50	27.50
THE BELLE, white.....	12.00	100.00	MARSHALL FIELD, var.....	5.00	40.00
MOONLIGHT, white.....	10.00	75.00	ENCHANTRESS, light pink...	5.50	50.00
INDIANAPOLIS, pink.....	12.00	100.00	HER MAJESTY, white.....	4.50	40.00
VESPER, white.....	10.00	75.00	PRES. MCKINLEY, pink.....	4.50	40.00
HARLOWARDEN, crimson..	4.50	40.00	GOV. WOLCOTT, white.....	4.00	30.00
LILLIAN POND, white.....	4.50	40.00	MRS. LAWSON, dark pink.....	2.00	17.50
DOROTHY WHITNEY, yel-			PROSPERITY.....	2.00	16.00
low.....	4.50	40.00	FAIR MAID, pink.....	3.50	27.50

New Rose LA DETROIT, 2-inch. \$25.00 per 100.

BOSTON FERNS, 4-inch, ready for shift, \$15.00 per 100.

CHICAGO CARNATION CO., Joliet, Ill.

JAMES HARTSHORNE, MGR.

Rooted Carnation Cuttings.

PINK.		100	1000	RED.		100	1000
Mrs. Lawson.....	\$1.25	\$12.00	G. H. Crane.....	\$2.00	\$18.00		
Mrs. Nelson.....	2.00	18.00	America.....	2.00	18.00		
Guardian Angel.....	1.00	8.00	Palmer.....	2.00	18.00		
Dorothy.....	1.50	12.50					
Mrs. Joost.....	1.00	8.00					
WHITE.		100	1000	ROOTED ROSE CUTTINGS.			
Flora Hill.....	1.00	8.00	Bridesmaid.....	\$1.50	\$12.50		
White Cloud.....	1.25	10.00	Bride.....	1.50	12.50		
Queen Louise.....	1.25	12.00	Golden Gate.....	1.50	12.50		
			Ivory.....	1.50	12.50		
LIGHT PINK.		Per 100	1000	2-INCH ROSE PLANTS.			
Higinbotham.....	2.00	18.00	Bridesmaid.....	\$3.00	\$25.00		
Prosperity.....	2.00	18.00	Bride, Perle.....	3.00	25.00		
			Golden Gate, Ivory.....	2.50	20.00		

If stock not satisfactory will refill or refund money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

CRISIS

The BEST commercial scarlet Carnation on the market for 1905. Early and continuous bloomer. Color, the richest scarlet; blooms, three inches and over, and never bursts; stems, 24 to 30 inches long and very stiff. We court investigation.

PRICES: \$2.00 DOZEN; \$12.00 PER HUNDRED; \$100.00 PER THOUSAND; \$95.00 PER THOUSAND IN FIVE THOUSAND LOTS.

DAVIS BROS., Bloomsburg, Pa.—

BLOOMSBURG, PA., Mar. 18, 1904.

Gentlemen:—Please book my order for 5,000 of your new red carnation "Crisis." I have watched this carnation for the last three years and I believe it is the best red carnation in cultivation to-day. I sold several thousand blooms of this variety for you last year. It proved to be a good shipper and always gave satisfaction.

Yours very respectfully, J. L. DILLON.

DAVIS BROTHERS CO., Bloomsburg, Pa.

MME. CHATENAY.

A superb, pink rose, freer and stronger than Bridesmaid, easy to grow and an ideal shipper. Will cut 40% selects. See Chicago cut flower quotations. Chatenay is selling for more than any other tea rose. Supply limited. Cash with orders. Fine healthy stock, \$6.00 per 100; \$50.00 per 1000. Ready now.

EMIL GLAUBER, Montclair, Col.

THE CARDINAL

THE IDEAL SCARLET CARNATION.

Queen of the Cincinnati Market. Winner at Detroit for best 100 scarlet. Winner at Detroit S. A. F. Medal and Certificate of Merit. The only variety awarded a Certificate at Toronto, March 11.

THE CARDINAL is an improved Estelle, a large fringed flower, fine keeper, better color, stronger grower than Estelle. More free and never comes single. **THE CARDINAL** has been pronounced perfect. Raised by R. Witterstaetter and purchased by Jas. Hartshorne of Joliet and Wm. Murphy of Cincinnati, both of whom have watched it for three years. Orders booked Now for Delivery Jan. 1, 1905, at the following rates: \$12.00 per 100; \$100.00 per 1000; 2,500 at \$95.00; 5,000 at \$90.00; 10,000 at \$80.00 per 1000.

SEND ORDERS TO

CHICAGO CARNATION COMPANY,
James Hartshorne, Mgr, JOLIET, ILL.
VAUGHAN'S SEED STORE,
84 Randolph St., CHICAGO, ILL.

WM. MURPHY,
130 E. Third Street, CINCINNATI, O.
S. S. SKIDELSKY,
708 N. 16th Street, PHILADELPHIA, PA.

CARNATIONS PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CARNATION CUTTINGS.

	Per 100	1000
PINK.		
Enchantress.....	\$6.00	\$50.00
Morning Glory.....	2.00	15.00
Higinbotham.....	1.50	12.50
Lawson.....	1.50	12.50
Guardian Angel.....	1.25	10.00
Cressbrook.....	1.50	12.50
RED.		
Palmer.....	\$2.00	\$15.00
Estelle.....	3.00	25.00
Harlowarden.....	3.00	25.00
WHITE.		
Her Majesty.....	3.00	25.00
White Cloud.....	1.50	12.50
Flora Hill.....	1.50	12.50
Queen Louise.....	1.50	12.50
Norway.....	1.50	12.50

CHRYSANTHEMUMS.

	Cuttings 2-in. pot per 100	3-in. pot 100
WHITE.		
Timothy Eaton.....	\$2.00	\$3.00
Chadwick.....	2.00	3.00
White Bonaffon.....	1.50	2.50
Wanamaker.....	1.50	2.50
Geo. S. Kalb.....	1.50	2.50
Estelle.....	1.50	2.50
Robinson.....	1.50	2.50
Ivory.....	1.50	2.50
Merry Xmas.....	1.50	2.50
YELLOW.		
Golden Wedding.....	1.50	2.50
Golden Beauty.....	1.50	2.50
October Sunshine.....	1.50	2.50
Col. Appleton.....	1.50	2.50
Yellow Bonaffon.....	1.50	2.50
PINK.		
Mrs. Murdoch.....	1.50	2.50
Vivian-Morel.....	1.50	2.50
Mme. Perrin.....	1.50	2.50
Pacific.....	1.50	2.50

ROSE PLANTS.

In 2 1/2-inch pots.	Per 100	1000	In 2 1/2-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	La France.....	5.00	40.00
Golden Gate.....	3.00	25.00	Liberty.....	6.00	50.00

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.

ROOTED CUTTINGS and PLANTS FROM POTS READY TO PLANT IN THE FIELD.

Lady Bountiful and The Belle. The two largest and most prolific white carnations for 1904. Mrs. Patten, Judge Hinsdale, The President and Indianapolis, \$12.00 per 100; \$100 per 1000. A very profitable Novel Set—Bizarre, Mauvina, Neptune, Aureola and Senorita. Bright shades, odd colors and very attractive. \$10.00 per 100; \$75.00 per 1000. Adonis, Harlowarden, \$6.00 per 100; \$50.00 per 1000. Pres. McKinley, M. Field, Mrs. Theo. Roosevelt and Gov. Lowndes, \$5.00 per 100; \$40.00 per 1000. Fine stock. Good paying standard varieties: Apollo, Lorna, \$3.00 per 100; \$25.00 per 1000. Gov. Wolcott, \$4.00 per 100; \$30.00 per 1000. Morning Glory, Gov. Roosevelt, \$2.50 per 100; \$20.00 per 1000.

F. DORNER & SONS CO., La Fayette, Ind.

Carnations.

From 2-inch pots. Extra fine, well branched plants. Per 100 1000

ENCHANTRESS.....\$7.00 \$65.00
THE QUEEN.....6.00 50.00
Heavily rooted cuttings of ENCHANTRESS now ready..... 6.00 50.00

LARCHMONT NURSERIES
Larchmont, N. J.

Loomis Floral Co.,
CARNATIONS,
Loomis, Cal.

50,000 Well Rooted Carnations.
Cuttings now ready. Enchantress, \$8.00 per 100. Harlowarden, \$5.00 per 100. Lawson and Crane, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. ROSES, Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.
CRABB & HUNTER, Grand Rapids, Mich.

Newport, R. I.

Easter has come and gone. We had the worst rain storm experienced in a long time. A cold north east rain began Thursday noon and was with us all day Friday. As the first days of the week of were cold, cloudy and had our only good day was Easter Saturday. It was then warm and pleasant, and business was very satisfactory. As a whole the trade may be said to have been fairly satisfactory although there is a difference of opinion as to how the Easter business compared with previous years. After carefully considering all the facts the situation sums up to this—total volume of business about the same as last year; more plants sold, and perhaps not quite as many cut flowers. This may be accounted for from the fact that violets and carnations were not very plentiful while good plants were in ample supply and reasonable in price. Azaleas, genistas, rhododendrons, lilacs, spiræas and other specimen plants were in the best possible condition and well grown. There was a surplus of bulb stock and some that had been grown in flats for cut flowers could not be sold.

The private gardeners made many large shipments of Easter plants to their employers' houses in New York and other cities. Some notable collections were sent this year. One of the best was sent from Commodore E. Gerry's greenhouses, Arthur Griffin, head gardener. This shipment filled three express wagons and all the plants were especially well grown, showing the skill of Mr. Griffin.

Wadley & Smythe have been working this winter moving some large trees to estates on Bellevue avenue. Some were evergreens and some deciduous trees. It is the immediate effect that is wanted on these splendid places, and no expense is spared to gain the desired effects.

The Geo. A. Weaver Company has just received a nice lot of small palms from W. A. Manda. There is a constant and increasing demand for small palms of the varieties most suitable for house culture. Palms that retail from 50 cents to \$2 are good sellers.

Gibson Brothers made a beautiful Easter display at their Bellevue avenue store. Lilies, azaleas, genistas, daisies and cinerarias composed the potted plants.

There has been a change of gardeners at Sidney Webster's estate, "Pen Craig," this week, Mr. Hutchinson being succeeded by Mr. Hutor.

William Butler, of Portsmouth, R. I., has been engaged by Reginald C. Vanderbilt to be head gardener of "Sandy Point Farm."

Albany, N. Y.

The florists of Albany are well satisfied with the results of their Easter business. The demand as reported was largely for azaleas, which stood first on the list for popular favor; the next greatest demand was for hydrangeas and rhododendrons. Scotch heather in pots sold well, but the supply was limited. A considerable number of orders were filled for flowers in hampers, many quite expensive combinations in this line being supplied. The demand for *Lilium Harrisii* was large as was also the request for violets. Eyes reported the sale of 65,000 violets on Friday and Saturday of Easter week. Whittle Brothers sold about 100 fine azaleas during the same period. Very little stock remained unsold and all the dealers reported business as slightly better than last year.

R. D.

Carnations Rooted Cuttings.

ONLY FIRST-CLASS STOCK SENT OUT. GET YOUR ORDER IN NOW TO BE SURE OF EARLY DELIVERY.

NEW VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Lady Bountiful.....	12.00	100.00	Mrs. M. A. Patten.....	\$12.00	\$100.00
The Belle.....	12.00	100.00	Crusader.....	10.00	80.00
Indianapolis.....	12.00	100.00	Reliance.....	10.00	80.00

CHOICE VARIETIES.

	Per 100	Per 1000		Per 100	Per 1000
Enchantress.....	\$8.00	\$50.00	Lillian Pond.....	\$5.00	\$40.00
Estelle.....	4.00	30.00	Mrs. Theo. Roosevelt.....	5.00	40.00
Gov. Lowndes.....	5.00	40.00	Pres. McKinley.....	5.00	40.00
Gov. Wolcott.....	5.00	40.00			

STANDARD SORTS.

	Per 100	Per 1000		Per 100	Per 1000
Cressbrook.....	4.00	30.00	Mrs. F. Joost.....	2.50	20.00
Flora Hill.....	1.75	15.00	Mrs. Thos. W. Lawson.....	2.50	20.00
Genevieve Lord.....	1.75	15.00	Norway.....	1.75	15.00
Gov. Roosevelt.....	3.50	30.00	Prosperity.....	2.50	20.00
Marquis.....	1.75	15.00	Queen Louise.....	1.75	15.00
Mrs. E. A. Nelson.....	4.00	36.00	White Cloud.....	1.75	15.00
Mrs. Potter Palmer.....	3.00	25.00			

DORMANT CANNAS. Strong 2-3 eyed bulbs. TRUE STOCK.

	Per 100			Per 100
Allemania.....	\$3.00	Mme. Louis Druz.....	\$ 2.50	
Black Beauty.....	7.00	Mlle. Berat.....	2.50	
Chas. Henderson.....	2.00	Pensylvania.....	5.00	
Duke of Marlborough.....	2.00	Red Indian.....	5.00	
David Harum.....	6.00	Secretaire Chabanne.....	2.00	
Egandale.....	4.00			

CHRYSANTHEMUM PLANTS 2 1/4-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow.		Omego, best early yellow.	
Timothy Eaton, mammoth white.		John K. Shaw, early bright pink.	
Major Bonnafon, yellow.		Yellow Mrs. Jerome Jones, bright lemon yellow.	
Mrs. Perrin, pink.		Ivory, early white.	
May Foster, white, fine for pot plants.		Miss Agnes L. Dalskov, early pink.	

CHOICE SORTS.

Estelle—Early white, good for cut flowers or pot plants.....	Per 100 \$4.00	Columbia—Pink, lighter than Morel.....	Per 100 8.00
Marian Newell—Almost pure pink, very large.....	4.00	Mrs. J. J. Mitchell—Clear cream color.....	4.00
		Amorito—Bright satin pink, finely incurved.....	4.00

Vaughan's Seed Store, Chicago. GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

YOUNG ROSE STOCK...

	Per 100	Per 100		Per 100	Per 100
BRIDES.....	2-inch, \$2.50;	2 1/2-inch, \$3.50	PERLES.....	2-inch, \$3.00;	2 1/2-inch, \$4.00
BRIDESMAIDS.....	2-inch, 2.50;	2 1/2-inch, 3.50	LA FRANCE.....	2-inch, 3.00;	2 1/2-inch, 4.00
IVORY.....	2-inch, 2.50;	2 1/2-inch, 3.50	KAISERIN.....	2-inch, 3.00;	2 1/2-inch, 4.00
AM. BEAUTY.....	2-inch, 4.50;	2 1/2-inch, 6.00	WOOTTONS.....	2-inch, 3.00;	2 1/2-inch, 4.00
HERMOSA, strong, 2-year old.....	5.00		SOUPERT & HERMOSA.....	2 1/2-inch, 3.00	

JAMES C. MURRAY, Peoria, Ill.

Carnations.

SPECIAL LATE PRICES.

20 per cent reduction from list prices for cuttings ready now.

50 per cent reduction from list prices for cuttings ready April 15th.

Send for list of varieties at once.

ALBERT M. HERR, Lancaster, Pa.

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE, Box 228. KENNETT SQUARE, PA.

Chrysanthemum Headquarters Poehlmann Bros. Co., Morton Grove, Ill.

Largest Growers of 'Mums in the country.

Our stock is in the hands of experienced men and always kept up to the top notch in quality.

We have now ready most of the leading commercial varieties in R. C. or 2 1/4-inch. Orders booked now for May, June and July deliveries will receive the benefit of selling price at the time of shipment. Our object is to grow the stock and to have plenty of time in which to take proper care of your order. This will simplify matters a great deal and give better satisfaction all-around.

Have 3000 2 1/4-inch Merry Christmas that need shifting. Have no room. Quote them at \$18.00 per 1000; \$2.00 per 100. Write immediately.

Poehlmann Bros. Company, Morton Grove, Ill. AUG. POEHLMANN, Sec'y.

50,000 Alternantheras Red and Yellow from 2-in. pots at \$1.50 per 100. Rooted Cuttings 50c per 100; \$4.00 per 1,000; in lots of 5,000 or over \$3.50 per 1000.

DAVIS BROS., Morrisleon and Geneva, Ill.

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.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2.82 Park Ave. David S. Beach, Prop.

ANNOUNCEMENT. CARNATION CUTTINGS

Strong Plants Ready for Prompt Shipment. Our Stock is Unexcelled.

	Per 100	Per 1000		Per 100	Per 1000
FLORA HILL.....	\$2.50	\$20.00	PERU.....	3.00	25.00
THE SPORT.....	2.50	20.00	WHITE CLOUD.....	2.50	20.00
MRS. LAWSON.....	3.00	25.00	AMERICA.....	2.50	20.00
MRS. HIGINBOTHAM.....	3.00	25.00			

ROSE CUTTINGS.

BRIDE.....	\$12.50	per 1000	IVORY.....	\$12.50	per 1000
BRIDESMAID.....	12.50	"	GOLDEN GATE.....	12.50	"

Lots of 500 at 1000 rate.

SINNER BROTHERS,

Wholesale Cut Flowers,

58-60 Wabash Avenue,

CHICAGO.

L. E. MARQUISEE,
Syracuse, N. Y.

STRONG, CLEAN AND HEALTHY

CARNATIONS.

FROM 2 1-4-INCH POTS.

Pink	Per 100	1000	White.	Per 100	1000
Joost.....	\$2.00	\$18.00	Flora Hill.....	\$2.00	\$18.00
Marquis.....	2.00	18.00	Innocence.....	2.50	
Dorothy.....	2.50		Glacier.....	2.25	20.00
Scarlet.....			Her Majesty.....	4.00	
Crane.....	2.50	22.50	Variegated Prosperity.....	2.00	18.00

CASH.

The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.

NEW LIGHT PINK CARNATION

"NEW DAYBREAK"

To the commercial grower who is looking for profit, this variety is all that its name implies, and will at once commend itself as the old Daybreak reincarnated without its faults. Color, true Daybreak shade, of Daybreak and Scott extraction through several generations of seedlings. Inherits the vigor and freedom of both the above varieties. Blooms, large, well formed and very sweet; does not have a washed out appearance at any time of the year. A fine keeper and shipper. Price, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000. OTHER NEW AND STANDARD VARIETIES.

Chrysanthemums. The best American and best standard sorts, foreign varieties and best standard sorts. Write for Price List.

H. WEBER & SONS, Oakland, Md.

CARNATIONS.

	Per 100	Per 1000
ENCHANTRESS.....	\$6.00	\$50.00
FAIRMAID.....	3.00	20.00
GOV. WOLCOTT.....	3.00	20.00
BOSTON.....	4.00	30.00
MRS. T. W. LAWSON.....	3.00	20.00

HENRY A. STEVENS CO., Dedham, Mass.

Rooted Carnation Cuttings

	Per 100
Enchantress.....	\$5.00
Queen.....	4.00
Fair Maid.....	2.50
Lawson.....	2.50

H. F. LITTLEFIELD, WORCESTER, MASS.

It is good business policy
.....to mention the

American Florist

When you write to an advertiser.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, PERLE DES JARDINS, THE BRIDE, MRS. OLIVER AMES, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

VESPER

Finest white Carnation on Market this year, flowers 3 in. to 3½ in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

	Per 100	Per 1000		Per 100	Per 1000
Adonis.....	\$7.00	\$60.00	Lawson.....	\$2.50	\$20.00
Enchantress.....	6.00		Queen Louise.....	2.50	20.00
McKinley.....	4.00	30.00	Mrs. Bradl.....	2.50	20.00
Estelle.....	4.00	30.00	Flora Hill.....	2.00	15.00
Nelson.....	3.50	30.00	Mrs. Joost.....	1.50	12.50

CASH. NO C. O. D.

Wm. C. SMITH, 61st & Market Sts., Philadelphia, Pa.

CARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the following varieties:

	Per 100	1000		Per 100	1000
Oriole.....	\$1.50	\$12.50	Prosperity.....	\$2.00	\$15.00
Portia.....	1.20	9.00	Joost.....	1.20	9.00
Lorna.....	1.50	12.00	Flora Hill.....	1.50	10.00
W. Cloud.....	1.50	12.50	Mrs. Palmer.....	1.50	12.50
Q. Louise.....	1.50	12.50	Mrs. L. Ine.....	1.50	10.00

ROSE CUTTINGS.

	Per 100	1000		Per 100	1000
Choice well-rooted stock.....			Bride.....	\$1.25	\$12.00
Bridesmaid.....	\$1.25	\$12.00	Mme. Chateau.....	3.50	30.00
Mme. Chateau.....	3.50	30.00	American Beauty.....	3.00	22.50
American Beauty.....	3.00	22.50	Golden Gate.....	1.25	12.00

ROSE PLANTS.

	Per 100	1000
Strong stock in 2½-in. pots.....		
Bridesmaid.....	\$2.75	\$22.50
Bride.....	2.75	22.50
Golden Gate.....	2.50	20.00
Bride, 3 inch, extra choice.....	5.00	40.00
Bridesmaid, 3-inch, extra choice.....	5.00	40.00
Mme. Chateau, 2½-inch pots.....	5.00	45.00
Mme. Chateau, 3-inch pots.....	6.00	55.00

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center, Illinois.

A FINE LOT OF THE FOLLOWING

Rooted Cuttings



Heliotropes, 12 best named vars., \$1.00 per 100; \$8.00 per 1000.
Ageratum, Stella Gurney, P. Pauline and Lady Isabelle, the great white one 60c per 100; \$5.00 per 1000. Fuchsias, 10 of the best named vars. \$1.50 per 100; \$12.50 per 1000. Mme. Salleron Geraniums, \$1.25 per 100; \$10.00 per 1000. Red and yellow Alternantheras, 60c per 100; \$5.00 per 1000.
Chrysanthemums, the best leading varieties, \$1.25 per 100; \$10.00 per 1000. Coleus, all the best named varieties, 70c per 100; \$6.00 per 1000. We pay the Express.

G. HUMFELD, Clay Center, Kan.

Please mention the American Florist when writing.

NEW PINK CHRYSANTHEMUM

AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/2 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y. Jamaica P. O., Woodhaven Station.

CANNAS.

Dry tubers, our choice of sorts and colors, \$1.00 per 100. We will furnish good assortment in the following varieties: Florence Vaughan, Canary, Burbank, Grand Rogue, Mme. Crozy, Chas. Henderson, Bronze Bedder, Beaute Poitevine, J. Mentel, J. D. Esele, Duke of Marlborough, Scarlet Queen, etc.

- Per 100
Ceranlume—Good plants, \$4.00
Strong plants, bud and bloom, 6.00
Heliotropo of sorts, good stock, 4.00
Coleus—Rooted Cuttings, 75c per 100; Plants 2.50
Alternantheras—3 kinds, Rooted Cuttings, .50
Plants, bushy, 2.50
Begonias, in good assortment, 4.00

ROBERT S. BROWN & SON, Box 335, KANSAS CITY, MO.

Julius Roehrs

RUTHERFORD, N. J.

Grower of

Palms, Bay Trees, Box Trees

—AND—

Decorative Stock.

VIOLET PLANTS.

Princess of Wales. Field-grown, well-rooted, delivered at \$15.00 per 100 or \$2.00 per 100.

Remember we pay the express charges. Cash with order.

Ocean Park Floral Co., Ocean Park, Cal. E. J. VAWTER, President.

VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

ELI CROSS, Grand Rapids, Mich.

SPECIALTIES

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

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing.

It is good business policy to mention the

American Florist

When you write to an advertiser.

The Storrs & Harrison Co. PAINESVILLE, OHIO.

- ASPARAGUS PLUMOSUS Seedlings from flats at \$2.00 per 100.
ASPARAGUS SPRENGERI, \$2.50 per 100; 3-inch pots, \$3.50 per 100.
BOSTON FERN, \$3.50 per 100; 3-in. pots \$6.00 per 100.
KENTIA BELMOREANA, strong bushy, 3-inch pot plants, \$12.00 per 100; 4-inch pot plants, 15 inches high, \$30.00 per 100.
COCOS WEDDELIANA, 3-inch pots, 10 inches high, \$15.00 per 100.

CARNATIONS.

- Strong pot plants from selected cuttings. Per 100
Encharess, \$6.00
Mrs. Lawson, 3.00
Queen Louise, 2.50
White Cloud, 2.50
Flora Hill, 2.50
George H. Crane, 2.50
Dorothy, 3.00
Gov. Roosevelt, 3.00
Mrs. Highbatham, 3.50
Prosperity, 3.50

- LEMON, American Wonder, \$3.00 per 100.
OTAHEITE ORANGE, \$3.00 per 100.
MOONFLOWER (Ipomea Grandiflora), \$3.00 per 100.
Headquarters for best stock of Dormant Hybrid Perpetual, Moss, Crimson Rambler and Tree or Standard Roses.

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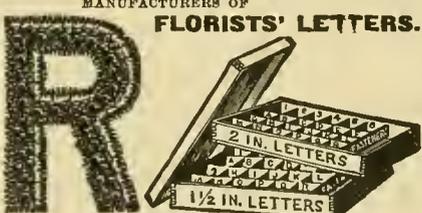
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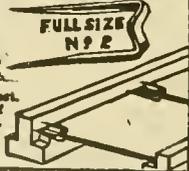
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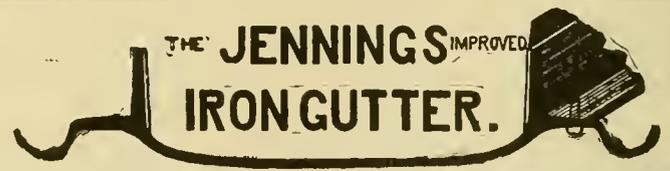
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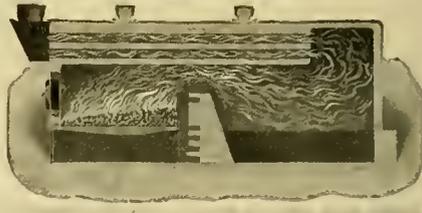
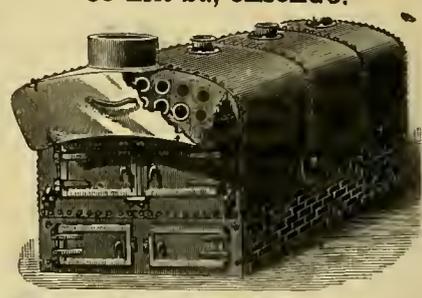
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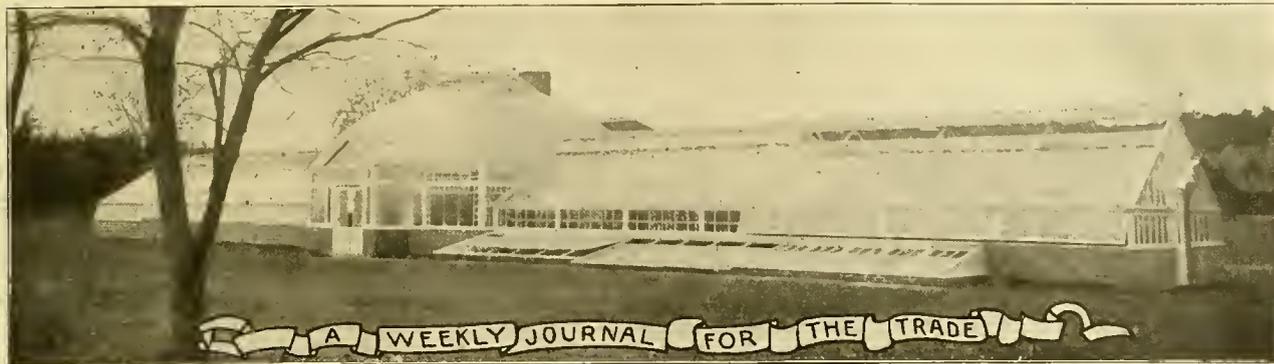
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1904. FRED H. LEMON, Richmond, Ind., secretary.

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THE ROSE.

That Red, Red Rose.

Fashions may come and fashions may go, but I
go on forever. RED ROSE.

Yes, red roses will always be with us, and will be always popular. Who among us who have been in parts of Europe where roses flourish so satisfactorily out of doors cannot call to mind some red rose that was especially appealing when in the month of June it was in full bloom, in all its crimson glory? In nearly all the villages of Great Britain there are some residents who vie with each other to have all the meritorious old varieties of roses in their gardens, and at least a few of the newer ones on trial. Sometimes it may be the pastor of the parish, often the cobbler, and I know of one case where the gamekeeper was that person.

Who does not remember "Jack," Jacque, or more properly, General Jacqueminot (possibly so named in honor of a general in the French army), Louis XIV, Lord Raglan, Louis Van Houtte, Fisher Holmes and others of crimson shades, which help us to realize to the fullest what the New England poet Lowell meant when he asked: "And what is so rare as a day in June? Then, if ever, come perfect days." Especially would that apply in old England when roses are in bloom. It was not until the writer came to America that he heard the good old red rose General Jacqueminot called by the affectionate name of "Jack." It was "Jack" which aided materially in lifting the rose in winter to the high plane it now so deservedly occupies. It was its rarity in winter, because difficult to produce, that caused it to sell for \$2.50 per flower, a price which another French rose has more than sustained in dignifying rose culture, namely, Mme. Ferdinand Jamin, known to Americans by common consent by what is thought the more nearly appropriate name, American Beauty. It is believed the original producer of this most famous of all roses in America in winter would hardly recognize it as his production if he saw it at its best in any American city.

The red rose "Jack" was and still is so constituted that its powers for the production of buds for cutting in winter is limited. One crop of flowers more or less large, depending entirely on the season when it was being cut, was all that could be expected. To try to bring in a crop

for Christmas great risks were run and much expense entailed, because a technical process of the preparation of the plants for the trying ordeal had to be gone through with many weeks before the time set for the cutting of the first flowers. This old red rose, General Jacqueminot, belongs to the class of roses known among French rosarians as Hybrid Remontant. Two of the first red roses to be grown to help "Jack" out in winter were the hybrid teas, Duke of Connaught and Pierre Guillot, but although they were everblooming they could only be cut with short stems, and would not be worth considering for a moment in these progressive days, not even on the curb. The William Francis Bennett was the next hybrid tea brought out, which it was hoped would fill the long felt want, but it has had its day and ceased to be. The latest bit of history about the last named red rose is from C. Bennett, son of the raiser, Henry Bennett, of England, who states in effect that the famous \$5,000 variety was condemned in its early youth to the fiery furnace, but was given a second chance on account of great length of petals, which it certainly had, but unfortunately there were not enough of them.

We thought we needed for exhibition in Philadelphia a short time ago some flowers of a new red rose which belongs in Richmond, Ind., and was raised by the dean among disseminators of novelties in new roses, E. G. Hill. In reply to the request made he said: "I wish it were possible to make the display of the new rose that you suggest, but we have made use of every eye for grafting purposes and all the young growth for cuttings. We desire to have eight to ten thousand of the variety for planting the coming season. We have only eighty-four plants all told. The variety has in it blood of the tea-scented rose to a far greater extent than has the Liberty, hence it grows and blooms with the freedom of a tea-scented variety. It is perhaps the most free blooming red rose extant. I don't desire to appear unduly enthusiastic about the variety, but good growers of roses in the western part of the country and good judges of what a red rose ought to be for winter blooming appear to believe it to be O. K. We could take \$5,000 for the stock if we wished, but that price is no temptation whatever to us." Since the above was written by Mr. Hill I believe this rose has been named Mars.

Liberty, referred to by Mr. Hill, is the name of an Irish red rose, at present the

ruling favorite in that color for cut flowers in winter in America. It is classed as a hybrid tea, having as its parents Victor Hugo, a hybrid remontant or June rose, with velvety crimson flowers on the one side as the pollen parent, and an unnamed seedling from Mrs. W. J. Grant (renamed Miss Belle Siebrecht in America), a pink hybrid tea as seed parent on the other, so that Liberty is sufficiently well bred to expect it to bloom freely, which it certainly does when treated rightly with some amateurs, gardeners and florists, though everyone who undertakes to induce it to produce its beautiful, red sweet-scented blossoms in winter with long stems does not do so satisfactorily, that is to say, considered commercially. Others have been preeminently successful. Those who have succeeded in the production of these coveted red rose buds in winter modestly make no pretensions as to unusual skill, but to the application of common sense cultural methods attribute their success. It is refreshing to listen to a successful cultivator of winter-blooming roses explaining his methods, because they are reminders of what all practical growers should know, be they gardeners or commercial florists.

Meteor, the H. T. red rose which has been with us so long, is gradually giving way to the superiority of Liberty. It was the rose par excellence winter and summer as a cut rose for many years. It is an English raised seedling, coming from the nursery of Mr. Bennett, before referred to, and was given away with an American purchase of new varieties of roses thought at the time to be more valuable, which have been and gone, and Meteor will not much longer remain. A new red rose from France may be looked for next year, though on account of the uncertainty or unknown quality and the limited quantity of a new rose and its high price, it will be tried only in a small way the first year. Its name is Etoile de France, which sounds as though the owners had confidence in it. It has for its parents Mme. Abel Chatenay as the seed bearer and Fisher Holmes as the pollen parent. It appears to be well bred, as both parents are well enough known in America for us to be able to speak with confidence as to their characteristics. In some of the large cities, notably Chicago, Chatenay is quite popular with the producer and has decided merits as a flower to render it acceptable to the rose lover. Fisher Holmes is much like "Jack," being described as an improvement on that good old sort, the flowers being fuller of petals and more freely produced; so that Etoile de France will come to us with excellent pedigree. It is also described as "having fine long buds, coming singly and carried on stiff, erect stems; very large flowers, expanding freely, possessing petals of good substance; magnificent cupped form and very full; color superb velvety crimson. It is also fragrant with good lasting properties."

Another red rose of American origin, is called General MacArthur, coming originally from the birthplace of Mars, but since purchased by and now being disseminated jointly by Storrs & Harrison and John N. May. Though the flowers are not as fine in shape as are the best Liberty, not being so long in the petal, yet we are assured that it is a good doer, and can be grown by anybody and everybody, which is a good trait and ought to appeal to the florist who grows his products to be disposed of on his own place at retail. All good new roses are wel-

come, no matter what the color, but we must always have a good red rose, so that the new roses referred to, both American and French, may with confidence expect to be greeted most courteously and purchased generously.

EDWIN LONSDALE.

John Cook, of Baltimore.

John Cook's new roses, Cardinal and Enchant, are going off well and the stock becoming reduced, shipments having been made to rose growers in all parts of this country as well as England, Germany and Canada. Recent visitors to inspect the new candidates in their own home were Robert Simpson, of Clifton, N. J., and Mr. Traendly, of Traendly & Schenck, of New York.

Mr. Cook recently celebrated his golden jubilee (fifty years) of residence in and near Baltimore. Born in Breisgau, near Freiburg, in Germany, he was put at the gardeners' trade and learned thoroughly during six years all its branches. Arriving at the age when he was liable to



John Cook, the Baltimore Rose Grower.

enforced military service he determined to escape it by trying his fortunes in America, and, with no backing save health and a determination to succeed, reached New York early in 1853, where he worked for about a year for David Clark, whose sons continue the business as the well known firm of David Clark's Sons. Coming to Baltimore, engaging at once with Robert Halliday, then at the head of its nurserymen and florists, and known widely for his great stock of and success with the camellia, then in the heyday of favor. Young Cook introduced in this establishment the system of grafting instead of the slower process of inarching camellias, this in turn giving way to their propagation from cuttings.

After about two years' service here he went as gardener to James Howard McHenry, a gentleman with a handsome landed estate and a great taste for horticulture. On his place Mr. Cook superintended the erection of the first iron conservatory put up in this country, and which is still standing, the plans being procured from England.

In 1863 Mr. Cook took charge of Wm. F. Frick's property, afterwards acquired

by Robert Garrett, president of the Baltimore and Ohio railroad, (Mrs. Garrett being a daughter of Mr. Frick). Of this, with abundant means put at his disposal and empowered to use his own then recognized great taste in landscape architecture and adornment, he made a splendid place, far in advance of others in this locality, and renowned for its lawns and vistas, its superb roads, its harmonious combinations of tree forms and foliage, and its magnificent specimens, all happily placed, the whole being the creation of his own genius and practical skill.

Mr. Cook's notable achievement in constructing and embellishing "Uplands" brought him so many requests to supervise the laying out of other places that he decided, having accumulated by frugality some capital, to go into business for himself, securing a promising tract of some thirty acres on which he has been located about thirty years.

Many of the handsome country seats around Catonsville, a suburb popular with people of means, owe their beauty to his knowledge and discerning taste.

In 1872 Mr. Cook introduced the Marie Louise violet into America. Noticing the advertisement of this novelty in a continental paper—he has always kept finger on the pulse of trade progress abroad, subscribing for many years to the gardening periodicals—he ordered 300 plants. Their modest cost, only about \$35 including duties and expenses, gave him in plants and flowers a return the following year of \$1,450, the new sort going like wildfire wherever seen, and his earliest customers, for considerable quantities, being John and Peter Henderson, H. A. Dreer, etc.

As soon as Mr. Cook became sufficiently independent financially to give time to his favorite pursuit he took up systematically the production of new varieties of fruits and flowers, but especially of the rose. All kinds of crossings and experiments were made, and a careful record maintained, but of thousands of hybridizations very few were successful. Of those which were promising enough to put on the market, the trade recalls Souvenir of Wootten, which was the first hybrid tea raised in America; Marion Dingee, Mrs. Robert Garrett, Baltimore and now are added to the list Enchant and Cardinal. The White Cochet originated also with Mr. Cook, but this most useful outside rose is not a seedling but a sport from Maman Cochet, pink. He was also introducer into the United States of Balduin and Kaiserin Augusta Victoria, he having the latter six months before it was put on the market abroad.

Mr. Cook keeps in touch with the rosarians of Europe and few new things escape his notice. Mr. Lambert, of Treves, editor of the Rose Zeitung, with whom he has long kept up a correspondence, sends him his new seedlings to be tested under conditions prevailing here, and receives in exchange those originating on this side.

Only one or two points of Mr. Cook's horticultural activity have been touched. In other branches as well he has been student, practitioner, improver. For years he had most successful plantations of small fruits, his results from strawberries being phenomenally handsome, but with increasing cares and years he has withdrawn from these specialties (although on his well kept place large quantities of staple fruits are raised and marketed) and devotes his attention to his extensive range of glass and his retail trade in the city.

Mr. Cook, by intelligence and industry, has prospered in his calling, and as a citizen he has been active and useful. Blessed with a beautiful and valuable homestead, a large, companionable and helpful family, held in respect and esteem in the community where he resides, he is an example of all around success achieved and merited by character, probity and diligence.

A Discouraging Sample of Dutch Lilac.

Here is a sample of what our Holland friends are in the habit of sending to American customers for forcing purposes. Long, bare, crooked stems with a few buds at the extreme top and many of the buds blind—that is the character of much of the stock exported to this country. Years ago a French grower used to send beautiful pot-grown specimens, shapely and profusely budded, that were a credit to their grower and a delight to look upon. We don't see such nowadays. The Holland exporters make a great mistake in sending out such rubbish. Some enterprising American grower in a suitable location can build up a large trade by producing and supplying properly grown lilacs and other shrubs of a like nature for forcing purposes. The demand is growing rapidly. If not perhaps Japan can do it for us.

A Model Gardeners' Club.

We stopped off at Dobb's Ferry the other night to attend the meeting of the Dobb's Ferry Gardeners' Association. We had often heard of the enthusiasm and work of the Dobb's Ferry gardeners and have attended one or two of their exhibitions, but we never had the privilege before of entering into their family circle. This noble little band has sprung from a small beginning. Their work at first was entirely directed to charity. They co-operated at first with several of the leading ladies of the district in the management of a fall flower show, the proceeds of which (and also the flowers when the exhibition was over), went to augment the needy and worthy exchequer of the Dobb's Ferry Hospital. The prizes were all subscribed and although they perhaps did not amount to much they were nevertheless keenly contested, the winner counting the intrinsic value above the dollars and cents. The schedule of classes for the fourth annual exhibition is issued, and from this small beginning the association has sprung. The membership is made up of all the leading gardeners in the district and though not as large as many of the neighboring societies, they lack nothing in enthusiasm. The proceedings were entirely informal and reminded one more of a family gathering met for a social friendly chat than an association bound tightly by parliamentary rules.

A small prize is given every meeting for the best exhibit. At this meeting it was given for the two best plants of geraniums, and was won by Robt. Boreham, gardener to the J. J. McComb estate, Dobb's Ferry. The after talk followed upon geraniums generally, and upon the most suitable kinds of bulbous stock for forcing. The chat as already stated was quite informal and the very best of good fellowship prevailed. Such meetings are held twice a month. It is refreshing to be present at such a gathering, and such friendly meetings ought to be encouraged in every district. Such association is worthy of emulation, and incalculable



A DISCOURAGING SAMPLE OF DUTCH LILAC.

good for the men concerned and the profession at large must be the outcome. There is a marked jealousy amongst gardeners in many places, and it arises from nothing else but narrow mindedness. Such gatherings dispel this and the knowledge diffused when all horticultural topics are thus talked over is apparent in the district in which such men live. It shows that there is a desire to keep posted and up to date.

We came across a gardener recently who has charge of a large place, which belongs to a member of the 400. We asked him why he didn't attend some of these meetings, and he replied quite indignantly "that he didn't need to." We visited his place and found the grapery full of chickens, and when we asked what was the matter with the grapes he said: "I think the chickens pay better." We asked if it wouldn't be more profitable to get some of the newer varieties of carnations, but he said "No.

McGowan and Portia are good enough for me." The roses looked bad and we asked him what he thought was the matter. He said: "I guess they want new soil; these plants have been growing in that same soil for six years." We concurred with him that it might be better to change the soil, but he thought the roses would be all right again and we didn't try to argue the point. Happy man; his brain is not troubled with the world's evolutions, and we could only sigh as we recalled the old proverb: "Where ignorance is bliss, 'tis folly to be wise."

Nothing dispels the cobwebs like association with our fellows. Let us have more of it. TRAVELER.

PONTIAC, ILL. — On March 29 the greenhouse of Frank Fenton was almost entirely submerged in water and about one-fourth of his plants were frozen.

PALMS AND FERNS.

Spring Treatment of Palms.

Easter of 1904 having passed into history, there may be found time to do a little more among the foliage plants, there being much that is needed at this season. Just before the Easter trade sets in, the greenhouses are in most cases in their most congested condition, there being not only the bulky stock that is specially prepared for that occasion, but also a general stock of spring bedding plants in those establishments in which a varied retail trade in both plants and flowers is done, and such a trade is by far the most common in our business. The foliage plants being out of commission, so to speak, at this season, excepting those that may be needed in church decorations, are generally crowded together in as small space as possible and are quite likely to receive scant attention until the rush is over. Such a method is not beneficial to the plants owing to the lack of light and air that prevails under such conditions, and just as soon as possible they should be set over and spaced out. If they have not already been thoroughly cleaned there should be no further delay in this operation, it being decidedly the better plan to have the cleaning done before repotting. It is more or less injurious to a plant that is freshly potted to be pulled about and to have the earth loosened around its base, something that is very likely to

occur when washing the leaves of a kentia, for example. This loosening of a plant at the collar may seem to be a small matter, but it really does check its progress to some extent, as any observant grower will testify, and it is the attention to these minor details that counts up toward success, or rather that makes the difference between success and failure.

It is also in the spring and early summer that the houses dry out most rapidly and it becomes necessary to pay special attention to the watering and syringing to keep a proper degree of moisture to promote growth and to check red spider and thrips. In bright, warm weather it is beneficial to the growing palms to have a light syringing in the morning and again in the afternoon, this practice being particularly helpful to the newly potted plants in reviving the color of the foliage and encouraging the root growth. The afternoon syringing may be given at three o'clock or even later as the weather grows warmer and the days longer, and immediately afterward the ventilators should be closed, or nearly closed, according to the condition of the weather and temperature. It may be worthy of note that the suggestion regarding special warmth and moisture is specially intended for the spring and early summer season, and for newly potted stock, the writer being strongly opposed to the hotbed and steam bath method of growing palms for commercial use, and believing that only plants that may be safely rec-

ommended as being strong, hardy and thrifty are such as should be offered to a customer. The best of plants are perishable enough when exposed to the heat and vitiated air that is so often experienced in our dwellings during the winter season, and a soft and overgrown palm is quite as unsatisfactory to the consumer as an early forced azalea or an Easter lily that has been pushed in a temperature of 100° in order to catch the market.

During the spring house-cleaning, the palm house should have its full share, it being a good plan to give the walls and roof a thorough washing with the hose and a strong pressure of water, this not only removing a great deal of dirt but also dislodging a great many insects, and if repainting be out of the question, at least the walls and benches may have a good coat of warm lime wash. Many insects will crawl about on the woodwork of a greenhouse that has been in use for some years, and if one can empty the house completely and sufficiently isolate it from the other houses to give a fumigation with formaldehyde or with hydrocyanic acid much would doubtless be done toward freeing it from insects for some time to come. It is the fact that the houses are clean and free from insects that so frequently makes the output of a newly built establishment superior to that of some of its neighbors, provided that other conditions are equal. Among the palms that are used for decorating there are usually found some that are in large enough pots for convenient



S. A. ANDERSON'S STORE, BUFFALO, N. Y., DURING EASTER.—BEFORE.



S. A. ANDERSON'S STORE, BUFFALO, N. Y., DURING EASTER.—AFTER.

handling, and these will have to be patched up for the season without re-potting. Where it may be done without serious disturbance to the roots the surface soil should be removed and a good top-dressing of rich soil applied. It is also a good time to insert one or more small plants of the same species around the base of the large plant in case the latter is rather too bare around the bottom for the best effect, it often being a matter of surprise to those not familiar with such matters to find how much improvement may be made in a straggling or shabby plant of this character by simply filling it up around the base.

Large phoenixes are likely to form great masses of coarse roots in the bottom of the pot or tub to such a degree as to lift the plant above a proper level for watering, besides loosening the ball from the pot so much that it is impossible to water the plant properly, and in such cases one may have to resort to root-pruning in order to get the plant down again into a pot of reasonable size. Should this be necessary, a sharp knife is the only proper tool to use in cutting back the roots, so that the mutilated roots may soon callus and proceed to make new feeders. Root pruning of palms is not generally advisable, but there are some cases in which it may be done without special injury, and it certainly is a convenience when handling a lot of large decorative stock. But any plant that has been so treated must not

be allowed to get very dry afterward, and should also be well protected from the sun until the roots are healed and re-established.

The phoenix and a few other palms have a singular habit of sending up some rootlets above the surface of the ground at times, this habit being especially noticeable with plants that are much pot-bound, when these root tips may be seen protruding vertically from the soil in considerable numbers. This habit seems allied to that of the cypress of the southern swamps in forming those very singular growths known as "cypress knees," and it is just possible that the protruding roots of our phoenix have a similar office to perform in the economy of that palm to that said to be performed by the cypress knees, namely, that of being air conductors to the roots. We might term them vegetable air shafts.

Referring once more to the repairing or rejuvenation of palms that have been in use for decorating, there is a practice among some growers of not only giving some liquid fertilizer to the roots during the summer, but also of applying clear manure water overhead once or twice a week, this being applied with a syringe, and the manure in question being in the form of cow dung. It will be understood, however, that this method is not recommended here as a specific, though it is quite possible that some benefit may be derived from its reasonable use.

W. H. TAPLIN.

A Remarkable Transformation.

The accompanying illustrations speak for themselves. They represent scenes in the store of S. A. Anderson, Buffalo, N. Y., before and after Easter. The first photograph was taken on Friday night preceding Easter before the inroads of the frantic Easter buyers left their impression. It will be noted that the floor is clean and everything inviting for the prospective customer. The second picture was taken Sunday morning. The floor is not immaculate and the neatly wrapped packages stand ready for delivery, mute commentaries on the conditions of Easter business at Anderson's.

Russian War Hurts French Growers.

PARIS, FRANCE.—The war between Russia and Japan is being greatly deplored by the florists of Nice, who under ordinary circumstances, send enormous quantities of cut flowers to Russia during the winter. The war has completely spoiled this part of their trade this year. Society in St. Petersburg has no thought of flowers now, but is donating all its surplus money to the czarina's committee, which takes care of the wounded and sick Russian soldiers, and the gardeners around Nice who last year shipped nearly two million pounds of flowers to St. Petersburg, Moscow and Warsaw, have lost many million francs in consequence.

Belated Easter Reports.

The following are additional reports of the Easter trade as found by the florists in different sections of the country:

TRENTON, N. J.—C. Ribsam & Son report a brisk Easter trade fully up to the standard.

SPRINGFIELD, O.—A. R. Aldrich says prices and volume of business were the same as in 1903. The plant supply was overcrowded.

RACINE, WIS.—Business ran about even with Easter 1903 in point of prices and total sales, says A. J. Fidler. Plants were short of the demand.

HIGHLAND, N. Y.—Over supply of cut flowers and a low demand reduced Easter trade fifty per cent under that of Easter 1903, says J. W. Feeter.

WATERBURY, CONN.—A. Dallas found a good margin over total business transacted in 1903. Good supplies of everything. Bulb stock was slow sale.

HARRISBURG, PA.—A good increase is noted by J. D. Brenneman. Everything in grand supply. Crimson Ramblers did not meet with as much favor as formerly.

MADISON, WIS.—Plenty of everything left over. Easter lily plants and pot tulips sold best. Nothing unusual about the Easter trade reports Fred. Rentschler.

HAMILTON, CAN.—Nothing unusual in the Easter trade says E. G. Brown. Everything in good supply except lily plants. Prices averaged higher than 1903.

BALTIMORE, MD.—Lehr Brothers report better business than last year. Violets were the only shortage. Lilies and azaleas in great demand. Bulb stock went slowly.

BROCKVILLE, ONT.—Total sales much larger than Easter 1903 and better prices obtained. Hyacinths and tulips followed the lily as favorites. There was plenty of stock says R. B. Heather.

REDONDO, CAL.—The Redondo Carnation Company says that total Easter sales averaged higher than last year. In cut flowers violets were scarce. The company handled few plants.

SANTA FE, N. M.—This place is also in line with a fine increase in Easter business, writes Arthur Boyle. Everything was salable, though carnations were most in demand. A good plant trade.

FORT WAYNE, IND.—Fine weather, good prices and good demand boosted business twenty-five per cent better than 1903. Not enough cut lilies. Heavy plant demand, say W. J. & M. S. Vesey.

BANGOR, ME.—Carl Beers notes a thirty per cent increase in sale values over Easter, 1903. Good prices, as high as 24 cents were realized on lilies. Carnations were slightly short. Azaleas sold well.

DUBUQUE, IA.—Harkett's Floral Nursery notes an improvement over Easter 1903. Lilies were scarce. Most all flowering plants were ready sellers. Cut flower stock was of good quality and in good supply.

FARGO, N. D.—Easter passed off satisfactorily, fully up to last year's record. Plants and cut flowers in good supply and lilies the only shortage. Azaleas did not sell as freely as last season. A little cold to deliver plants, say Shotwell and Graver.

BUTTE, MONT.—Easter trade was very good, Harrisii lilies selling for 50 cents per bloom in pots and \$5 per dozen cut. Law Brothers had an order of 10,000 carnations, the largest individual order on record in Butte.

BERKELEY, CAL.—Very little increase if any over business of last year writes J. A. Carbone. Wholesale prices were ten per cent less. Growers' prices were less than preceding years. Lilies, both cut and plants, sold well.

NASHUA, N. H.—1903 prices ruled and business was in other respects about the same. Everyone wanted flowering plants and was willing to pay the price. Everything except violets in good supply, write Aug. Gaedeke & Company.

KNOXVILLE, TENN.—Plenty of good stock to meet all wants; 1903 prices ruled and a twenty-five per cent increase in the volume of business is given by Chas. W. Crouch. Lily plants and azaleas proved great favorites.

SANTA CRUZ, CAL.—Cut flowers short of demand, plants plentiful, carnations and lilies the best sellers and an increase of twenty-five per cent in sale values over Easter 1903 is the way Thomas Thompson sizes up the Easter trade.

BRANTFORD, CAN.—Thomas A. Ivey reports everyone as satisfied with the week's Easter business, which eclipsed that of last year by twenty-five per cent. Everything was cleaned out in cut flowers and plants and the supply was very large.

EAST OAKLAND, CAL.—Domoto Brothers report a great scarcity in all lines. Heavy rains and floods during February and March wrought great damage to the growing crops and flowers. Business of course fell off greatly in total sales and prices.

PORTLAND, ORE.—Easter was satisfactory. Higher prices, more business and plenty of stock, with the exception of cut roses, combined to make it very pleasant for the florist. Martin & Forbes say that everything in flowering plants moved at a sharp pace.

VANCOUVER, B. C.—Lily plants, which were scarce brought better prices than in 1903. Other stock was well up to the demand. Plants in bloom were eagerly sought. Bulb stock, as almost everywhere else, moved at a snail's pace, reports James Pont.

NEW ORLEANS, LA.—Sales were twenty-five per cent less this year than Easter 1903. There was little sale for plants and there were more than enough cut flowers. Azaleas did not sell well but some good hydrangeas which M. Cook & Son handled sold readily.

DALLAS, TEX.—A heavy rain on Saturday preceding Easter hurt Easter sales considerably and trade on a whole was not as good as expected. Easter lilies were late, says the Texas Seed and Floral Company. The demand for carnations, roses and lilies was about equal.

LOS ANGELES, CAL.—The Ingleside Floral Company found business slightly better in point of total sales than Easter 1903. The weather was ideal. Orders came in unusually late, causing a great rush. Automobile delivery played an important part in getting out orders.

LINCOLN, NEB.—1903 prices ruled, although several firms tried to see how cheap they could sell stock without giving it away, writes C. H. Frey. The supply of cut flowers and plants was just about equal to the demand. Carnations, roses and lilies had the call over other stock.

MITCHELL, S. D.—Better prices governed the market than last year and better business generally. The supply in plants and cut flowers was not adequate to meet the calls. There was little call for azaleas, palms, etc. Good stock sold at good figures and E. C. Newberry reports everyone as satisfied.

BRAMPTON, CAN.—Increase of twenty-five per cent over last season's Easter business and better prices, reports the Dale estate. The demand soon cleaned up good plant and cut flower material. Some growers hung out the "cut throat" price of 6½ and 7 cents for lilies in spite of the limited supply which developed.

CARLISLE, PA.—Jesse Robbins says that lily plants were scarce and good carnations were not over-plentiful. The higher priced roses did not sell well. The writer further notes that it is a great pity that dealers in bulbs do not state when they substitute Japanese longiflorum for Bermuda Harrisii. By doing so the grower would be aided in getting his lilies in on time. The dealer who substitutes without notification thereof should be made to stand the loss.



B. K. & B. FLORAL COMPANY'S CARNATION RICHMOND GEM.

(Photograph taken October 2, 1903.)



EASTER DECORATIVE GROUP IN SIEBRECHT & SON'S NEW FIFTH AVE. STORE, NEW YORK.

WASHINGTON, D. C.—A. Gude & Brother say that the rush for Easter lily plants and violets was phenomenal. At their place it was utterly impossible to wait on the customers. Over 3,000 pots of lilies were sold. A fine supply in all lines and a fifteen per cent increase is estimated over last year's business.

TORONTO, ONT.—Plants were favorite Easter sellers and they were in good supply. Roses were scarce but everything else was plentiful. A heavy demand for violets noted. John H. Dunlop says that bulb stock sold well where cheaper flowers were required. Twenty per cent increase in total sales over last year.

GUTHRIE, OKLA.—All enjoyed a thriving trade over Easter, the volume of business transacted being almost fifty per cent greater than in 1903. Farrow Brothers report a good supply of everything except carnations, of which they could have sold 5,000 more. Three-fourths of the calls were for carnations. Harrisii lilies sold at \$4 per dozen.

TOLEDO, O.—Forty per cent greater business than that of Easter 1903, reports George A. Heintz. Plants and cut flowers were equal to the demand. Azaleas, genistas, Rambler roses and lilies were the leading sellers in plants and in cut flowers carnations had the call. Plant trade is increasing every year at the expense of cut flowers.

JACKSON, MISS.—W. J. Brown, Jr., reports thirty per cent decrease in Easter business under that of 1903. He says

that owing to the extraordinary early spring all outdoor plants were in bloom, cutting florists' sales short. Mr. Brown even had sweet peas out in the open, in full bloom, a thing never heard of here. There was stock in cut flowers enough to get around.

"Thought Floriculture."

The New York World, Pittsburg Dispatch and other voracious journals publish an account by Dr. Paul Edwards of an experiment in "thought floriculture." According to the story Col. Andrade, of Mexico, made the experiment, selecting therefor two excellent specimen plants in equal health.

The first, by his thought, he is said to have endowed with courage, love, force, development. He communicated to it thoughts of sweetness and happiness; in short, he gave it all the moral support possible, and this flower gained very rapidly in size, beauty, suavity and perfume. It seemed to try to attain an esthetic perfection, and whenever Colonel Andrade approached it it seemed to recognize and bend before him.

The other flower the Colonel disdained and turned from it in derision. In three days it drooped and in a month died.

Colonel Andrade never touched either of the flowers.

Unfortunately the narrator omits the very interesting information as to the variety of flower upon which he exercised this wonderful influence, but we can see in the experiment suggestions of grand possibilities and a possible revolution in cultural methods. Soils, food, temperatures, insects and plant diseases all cease to worry in the presence of this application of Christian science to plant health.

The Florists' Clubs and other institutions and horticultural journals are wasting good time and ink on so-called cultural and reasonable notes. We had a suspicion of this before after perusing some of the sage articles published under such headings, but now we are convinced. Hereafter our energies should be devoted to the establishment of schools where our ambitious growers may practice and become adepts in the cult of communicating to their plants by means of "Persuasive speech and more persuasive sighs, silence that speaks and eloquence of eyes," that measure of happiness and ecstatic perfection which will secure every bloom in the "special" class. We think of some to whom the modern suavity method will come sweetly easy and others to whom it will be a tough proposition, but it looks as though they'll have to face it. Hereafter when we find one of the boys parading a seraphic countenance we shall know just what to attribute it to.

NORTH STOUGHTON, MASS.—The business carried on heretofore by Davis & Jones will now be conducted by M. Davis & Company, who have purchased a 100-foot greenhouse from Mrs. M. L. Duly, of Randolph.

HARTFORD, CONN.—The exhibition of flowers of Connecticut which was recently on view in this city has been forwarded to the exposition at St. Louis, for which it was prepared. A. W. Driggs, of East Hartford, who arranged the exhibit, has been sent to St. Louis by the Connecticut Horticultural Society to set it up.

THE RETAIL TRADE

Decoration Day Trade.

Decoration day is now but six weeks away. This holiday has been attaining greater importance each year, florally. In many places it is ranked on a par with Christmas and Easter in the volume of business and ahead of those festivals in net profit to the florist. Customers are no longer satisfied with cheap arrangements of field and garden bloom. Originally buttercups and daisies, snowballs and lilacs, hawthorn and apple blossoms sufficed for the cemetery decoration and were generally thought more in keeping with the sentiment of the day than the indoor productions of the florist. But, gradually the taste has come to demand something, if not artistically better yet costing more and giving choicer effect. So it now becomes an object for the grower to give special attention to the prospective crop for Decoration day.

The wise man will watch his roses and carnations, and guard against deterioration of quality or depleting of crop with the same solicitude as at Easter, feeling assured that a hungry market stands ready to take up every first-class flower he can offer. Lilies are a profitable Decoration day crop. In the present waning vitality in the bedding plant trade the houses can well be spared for a crop of longiflorums that, coming along naturally, with the minimum expenditure for fuel, will give blooms in abundance, of the highest grade.

Colored flowers are in particular demand at Decoration day. Red carnations reach a value rarely realized at any other time excepting Christmas. Semi-double scarlet geranium although hardly in the "choice" class finds a ready sale because of the scarcity of greenhouse flowers of this color, and the blooms well grown and carefully handled will bring a price almost equal to what the entire plant will realize in the plant market. One florist doing an extensive suburban trade for Decoration day makes a rule not to deliver any Decoration day flowers, either to houses or cemeteries. Every customer must call or send for his flowers or otherwise the order is declined and the reasons courteously given. Buyers generally accept the situation and this leaves him with his full force available for waiting on customers and filling orders. For several years the custom has been followed and with most gratifying results.

New England Notes.

LENOX, MASS.—The Lenox Horticultural Society has added a rose and strawberry show in June to the list of its proposed exhibitions for 1904.

BRENTWOOD, N. H.—The oldest married couple in New England is said to be Mr. and Mrs. John Smith of this place. Both were born in 1812. Mr. Smith built a greenhouse for flower and vegetable forcing in 1860 and has continued in that business ever since, his son, J. W. Smith, being now in company with him under the firm name of John Smith & Son.

AMHERST, MASS.—At the Amherst Experiment Station the weather for December, January and February was recorded as follows: December, mean maximum temperature, 31.4° Fahr.; mean minimum, 12.9°; snowfall, 12 inches. January, mean maximum, 23.7°; mean minimum, 4.9°; snowfall, 23½ inches. February, mean maximum, 27.8°; mean minimum, 6.8°; snowfall, 10 inches.

Chicago.

Since Easter there really has not been much of a market. Immediately after the holiday rush stock of all kinds, including lilies, accumulated rapidly and low prices prevailed to the degree that the seller himself made no price. Carnations sold better this week than last, but roses are yet in a crowded state and good stock may be purchased at very low figures. Violets are still coming to this market but it is not difficult to see that they are on the wane and must soon take their place in the category of the season's has-beens. The shipping trade has been fairly active but the local retail business seems to be in a state of innocuous desuetude. The weather for the last three or four days has been of the March variety and the output from the greenhouses received a set-back which was not unwelcome to the dealer in the city who was, since Easter, wrestling with the old, old problem of the glut.

The regular meeting of the Horticultural Society of Chicago was held in the Auditorium annex Tuesday afternoon. The committee appointed to secure the location for the coming autumn show made an informal report which was referred to the executive committee for action. A committee on nomination was appointed to report at the next meeting. F. F. Benthey was elected a member of the society. The meeting was adjourned subject to the call of the secretary.

An old ruling which prohibited flowers being sent to the council halls on the inauguration night was dug up this year and enforced. The Florists' Club sent a committee of three around with a petition which was signed by almost every florist in the city to Mayor Harrison asking that the ruling be discarded. They were informed that it was too late to rescind the action this year and the local florists lost an aggregate of several thousand dollars.

The Chicago Tree Planting society was organized April 13 with election of the following officers: President, O. C. Simonds; vice president, Edwin A. Kanst; secretary, George E. Hooker; treasurer, L. V. LeMoyné. The society will encourage the observance of Arbor day, April 22, and will distribute literature instructing school children and citizens how to select and care for trees.

The Gardeners' and Florists' Union Wednesday voted to strike on twenty-four hours' notice unless their claims received prompt attention from the west park board. Complaints are that the men have been kept on at half pay for two months, on account of lack of funds, and that men with no knowledge of gardening are being paid gardeners' wages.

The next meeting of the Florists' Club will be held on the evening of April 20. At this meeting the coal question will be discussed and several papers on the subject read. The first May meeting will be held on Thursday evening instead of Wednesday. The club will then move its quarters to a larger room.

L. C. Coatsworth and Leonard Kill went to St. Louis Wednesday night, with roses to exhibit at the Thursday night meeting of the St. Louis Florists' Club. Mr. Coatsworth took Bride, Bridesmaid and Beauty and Mr. Kill took Peter Reinberg's well known Chatenay and the new Uncle John.

Members of the public service committee of the county board this week received a communication from the woman's auxiliary of the American Park and Outdoor Art association asking permission to plant trees and flowers between the city hall and the county building, known as Ritter park.

The trade will be sorry to learn of the untimely death of the ten-year old son of Mathias Mann, the north side carnation grower. The little fellow was struck by a fast Northwestern train at the Grandville crossing on April 13 and killed instantly.

The Dormant Sod company was incorporated with a capital of \$2,000 and florists' sundries will be handled. The incorporators are S. S. Gorham, Ed. Brothers and E. J. Furber, Jr.

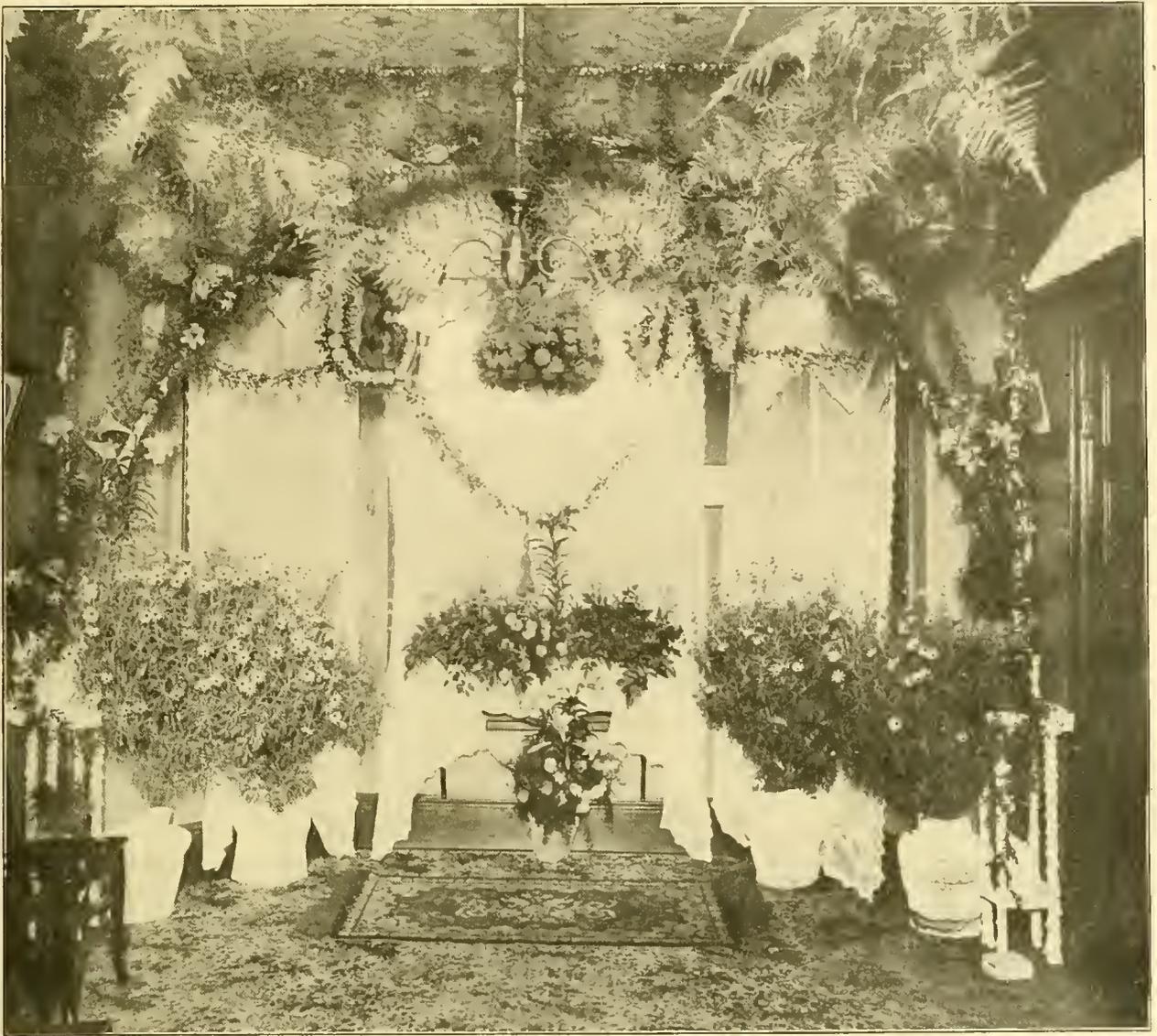
M. P. Dilger, of Waukegan, known to almost every trade member of Chicago, is emulating Peter Reinberg and is running for alderman for the first ward of his city.

Samuel Pearce had for Easter a fine display of well grown daffodils, Roman hyacinths and Easter lilies. His houses all are in first-class condition.

Stephen Costigan who had a flower store about a year ago on the north side is missing and the police have been asked to search for him.



STORE OF SHOTWELL & GRAVER, FARGO, N. D.



WEDDING DECORATION BY CHARLES O. HORN, HELENA, MONT.

Frank Garland and Michael Winandy moved on the 15th of this month to their new quarters on the second floor of the Atlas block.

The decorations for the Hamilton club's banquet and reception last Saturday were executed by Phil Hauswirth.

The Geo. Wittbold Company handled a heavy Easter business, in fact one of the best in the company's history.

J. B. Deamud is getting in ferns of quality and he claims to have plenty of them.

New York.

The monthly meeting of the New York Florists' Club, Monday evening, April 12, was well attended. On the exhibition table was a handsome plant of the new Dwarf Crimson Rambler from Vaughan's Greenhouses, Western Springs, Ill. John Scott showed a fine specimen of the Scott fern and Thos. Devoy, of Poughkeepsie, sent a seedling single zonal geranium, Telegraph. Announcements for the remaining meetings of the year were made as follows: May, exhibition of bedding plants; June, ladies' night, with exhibition of strawberries and cream; October, cannas and dahlias; November, chrysanthemums; December, florists' sup-

plies. A show of perennials may be arranged for September. It was announced that tickets for the club outing on June 29 are now ready. A transportation committee composed of Patrick O'Mara, A. J. Guttman and H. A. Bunyard was appointed to arrange for the St. Louis trip in August. C. B. Weathered, S. S. Butterfield and W. J. Stewart were appointed to prepare suitable resolutions on the death of Mrs. T. Devoy, Poughkeepsie.

The flower market in general is very poor, lilies, violets and roses going at very small prices and hard to dispose of at that. Bulbous stock is very abundant and reports show that there will be plenty of it for some time to come. Lilies no doubt are the worst drug of all, buyers not paying over two dollars per hundred for the best when ordering them three or four days ahead. Callas can be had at from 3 cents to 4 cents apiece. Shipments of southern grown narcissi have stopped. They do not sell at any price.

These days of big receipts and slow sales do not bring the happiness to the honorable Mr. Johnnie Weir that they did in days of old. The "select Greek trade," is causing him much anxious

thought, and "Charlie" Abrams is another thorn in the flesh, contesting with him the monopoly of the bargain counter.

Franz Zimmerman, of College Point, has gone out of the growing business and has disposed of his glass to Philip Haas, of College Point. The boilers were bought by E. C. Matthes, of Woodside.

"Tree Planting in City Streets" was the subject for discussion at the April 13 meeting of the horticultural section of the American Institute. H. A. Siebrecht was the principal speaker.

Twenty-two Hollanders spent Easter Sunday at the Broadway Central Hotel here ready to interest the trade when the Easter rush was over.

Splendid large bushy plants of Crimson Rambler rose in full bloom were a feature of P. Henderson & Company's Easter store display.

Many roses, shrubs and herbaceous plants usually considered hardy in this latitude have suffered much this winter, says Dr. Van Fleet.

A. J. Guttman has attained to the first rank among the violet manipulators. He handled an amazing quantity of them for Easter.

H. A. Hahn, of 728 Broadway, Brook-

lyn, has opened a branch store at Jamaica. He reports business very good in landscape work.

Two tents are already up at Clinton market for the accommodation of the plant dealers and another is contemplated.

Fellouris is receiving some very fine trailing arbutus for which he finds a ready sale at 25 cents a bunch.

Moss roses are about the choicest flowers now offered. Several wholesalers have them.

A. H. Langjahr is receiving quantities of fine Brunner and Rothschild roses daily.

A. Cowee, of Berlin, N. Y., was in town last week calling on the trade.

Other visitors: W. P. Craig, Philadelphia, Pa.; E. W. Clark, New London.

Julius Krötschmar suffered another stroke of paralysis on April 4.

Ford Brothers are handling extra fine sweet peas at present.

Lilium candidum blooms are in the market.

Sigmund Geller will sail for Europe this month.

The eastern office of the AMERICAN FLORIST is now at 42 W. Twenty-eighth street.

Philadelphia.

Business last week was very dragging; there was but little doing and the excess of stock that did not make Easter together with the regular shipments was more than the market could stand and prices broke badly. Longiflorum lilies were offered at anything from \$6 per hundred down. Long Beauty roses were to be seen on the street corners in tall jars of water at ten cents each. All they lacked was the dignity of the flower shop, for they were equal in all other respect to the \$5 per dozen kind to be seen in the stores. Southern daffodils have been received by the dealers in large quantities and offered at times at such prices as would hardly seem to pay express charges.

It is astonishing to see how rapidly the houses fill up again after the depletion of Easter. At Robert Craig & Son's, palms, crotons, Boston and Pierson ferns and roses, as well as lilies for Decoration day and June weddings, have almost completely filled up the empty spaces. One wonders where it all comes from, but there it is, much of it ready for sale and some to be at its best in the early autumn and fall.

A. Leuthy of Boston was in the city last week gathering up palms and he secured a fine lot for growing this summer. This class of plants should move a little lively, as many florists stock up now and get the benefit of the summer's growth for themselves instead of paying for same next fall.

Mr. Craig has a new yellow pompon chrysanthemum that he says will create some excitement. It has recently been imported from Japan and is a variety of great merit. He holds the entire stock.

There have been quite a few weddings at which the decorations were elaborate and very helpful to the overstocked market. Graham, Battles and Pennock all had a share of these functions.

Wm. C. Smith is sending in some very choice Adonis carnations. This variety seems to be clearly ahead of anything in its color and is a good seller.

Jacob Becker is busy with his roses, the houses being almost entirely filled with fine pot stock. He has about the largest stock in the city.

At a meeting of the creditors of Robert Craig & Son, March 9, the following statement was submitted: Assets, \$168,421.81; liabilities, \$163,098.07; net assets, \$5,323. The seventy-six creditors represented at the meeting voted to continue the business with John Burton as assignee and the following gentlemen were appointed as a committee of creditors to advise with the assignee in the conduct of the business; Wm. K. Harris, F. L. Atkins and Alexander Scott. The greenhouse buildings were not included in the assets. K.

Boston.

The market, which began to tumble directly after Easter, has continued tumbling ever since until at the present time all resemblance to a market has disappeared. Stock accumulates beyond even the abilities of the street men to carry it away at their own price and it is very evident that a period of low values, or more properly, no values, is on. Thus far quality is excellent in all lines. Violets are weakening a little under the stress of warm sunshine, but are still much better than usual at this date.

At the next meeting of the Gardeners' and Florists' Club of Boston, Peter Fisher will talk on "The Carnation." The date of the meeting will be Wednesday, April 20, the regular day being a holiday here. The attraction at the May meeting will be Carl Blomberg, who will have something to say on Alpine plants, and at the June meeting M. H. Walsh is slated for a talk on roses.

N. F. McCarthy & Co.'s auction sales commenced on Friday, April 15, when some of the imported stock delayed by the accident to the steamer Staatendam was sold. Sales will continue every Tuesday and Friday throughout the spring, excepting on Tuesday, April 19, which is a holiday. A fine lot of fancy conifers and garden shrubbery is promised.

The old Wm. Love greenhouses on Withington street, Dorchester, with the land on which they stand, have been sold and will be torn down.

John H. Cox, who was taken very ill last week, is now at the City Hospital and is progressing favorably.

A. Dimmock, of Sander's, St. Albans, was a visitor last week.

Ed. J. Welch has gone on a recreation trip to Washington.

Visitors this week were A. Gaedeke, Nashau, N. H., and H. C. Riedel, New York.

Baltimore.

For two or three days of the week succeeding Easter there was an active trade in cut flowers, but after Thursday it dwindled away so that only by hard pushing was the stock coming in sold at very substantial reduction of prices. The new week starts off to-day (April 11) without much animation, all varieties being apparently in excess of current requirements. The belated callas and Harrisii lilies are offered in great quantities. The weather is March like, dull, cloudy and cold, with no "ethereal mildness" in it. Rains have been excessive, and gardening and farming work is retarded. The early spring hoped for as a corollary of a long cold winter did not materialize. The city markets on Saturday afternoon and night were like a flower show, but the temperature has not as yet raised the gardening fever in the people's blood.

This part of the country is being inundated with government vegetable seeds under the frank of the congressmen. In the city every voter who cannot afford to take up even six bricks from his yard in which to plant them has assortments—often duplicated—of melons, parsnips, beets, etc. These packages bear the stereotyped request that the results of their trial be reported to the department of agriculture; and it is a grotesque commentary on the wisdom and appropriateness of this wide-spread distribution that the "new and promising varieties" which the department is authorized by law to send out to ascertain their adaptability to fresh soils and locations are such hoary-headed old-timers as "Hollow Crown parsnips," "French Breakfast radish," "Rocky Ford melon," "Yellow Globe onion," back of which the memory of the oldest gardeners now living hardly goes. Verily the bricks and mortar of this goody city will blossom indeed when these seed yield their increase.

The park board is changing the methods of its predecessor. The older greenhouses in some of the parks are to be removed; the flower beds in Druid Hill—described sometime ago by the mayor of the city as "little dinky flower beds"—are to be superseded by groups of flowering shrubs, the material and planting of which are to be recommended by Frederick Law Olmsted. The flower beds in Mount Royal Square, the construction of which occasioned a burning discussion during the Clendinan regime, are to be done away with and the walks which were broken up by them are to be repaired.

James W. Boone has been made superintendent of Druid Hill, succeeding the late Captain Cassell. The general superintendent, Mr. Crosby, commended Mr. Boone's work, saying he had worked hard and used excellent judgment in handling his men. Mr. Boone has been working for a number of years at the florist business and as gardener at private places and has established a reputation for energy. He has lately been head gardener at Druid Hill, and his present position includes the policing of the park and the general administration of its affairs.

Conrad Hess, of Friendship avenue, finding a house of carnations doing poorly—as many houses seem to have done this winter—has planted in Lorillard tomatoes, which are growing handsomely and setting a promising crop of fruit. Mr. Hess makes a speciality of the Kaiserin rose, and so manages, winter and summer, to have a good crop at almost all times, and in great perfection as a rule.

Wm. J. Halliday has sold his property on West North avenue, reserving only the greenhouses. This is in the Walbrook suburb of the city, where real estate is last appreciating in value. It is understood the purchaser will erect dwellings on the ground. The figures of the transaction are not made public.

On Monday night, Prof. Corbett of the U. S. Department of Agriculture, delivered an address to the Gardeners' Club. He spoke of the advantage of going back to the seed in raising Harrisii lilies, the prevention of disease and the earlier flowering resulting.

A movement is on foot here to set aside vacant lots and have children taught gardening on a small scale. An application to the park board to supply instructors was turned down, there being no funds applicable to such a purpose.

S. B.

Washington, D. C.

It was natural that there should be a lull in trade for a few days after Easter, but this week is more favorable. There is a steady demand for good roses and carnations, and spring flowers are selling well. Tulips, daffodils and daisies are going off like hot cakes. Violets are failing and will soon join the great company of has-beens. There has been considerable funeral work which has made a place for cut lilies from left over Easter stock. Daffodils, sweet peas and daisies are being quite freely used at luncheons. The following prices prevail: American Beauty roses, \$5 to \$10 per dozen; Bride and Bridesmaid, \$1.50 to \$3; good stock of Testout, Carnot and other roses, \$1.50 to \$3; cut Harrisii lilies, \$2.50 per dozen; valley, 75 cents to \$1.25 per dozen; carnations, 50 cents to \$1.25 per dozen; callas, \$1.50 per dozen; tulips, 50 cents; daffodils, 50 cents; sweet peas, 50 cents per bunch of 25; cowslips, 10 cents per bundle; yellow daisies, 50 cents per dozen; smaller daisies of white, 35 cents per bunch. Though local growers are making a fair showing in roses and carnations, the best stock comes from Philadelphia.

It is always the unexpected that happens. When, in my letter of last week, I asked the plant collectors to show us some novelties, I was thinking of the collectors who hunt in tropical jungles for rare plants, and are in turn hunted by tigers, monstrous serpents and microbes; or are betrayed by their "native servants" and carried into captivity. I have positively no use for "native servants," and when I again explore a jungle I shall take a good coon dog with me for company. My musings over novelties were interrupted at this point by the appearance of a wide awake business man bearing a novelty, the good points of which he presented in a business-like way. This was Mr. Campbell, of Vaughan's seed store, and his novelty is an ever-blooming Crimson Rambler rose, which I understand to be a recent importation from Europe. I predict for it a great future, as it seems to be the kind of a pot rose:

For which we long have sought,
And mourned because we found it not.

But it is probable that the affable Mr. Campbell will soon be around and then you will rejoice. Mr. Campbell also showed me specimen blooms of the carnations Cardinal and Fiancee. Both are so good that they seem faultless. The Cardinal in particular, seems destined to be a money-maker. The market greatly needs a first-class scarlet carnation, and it seems to have arrived in the form of Cardinal.

A delegation of Georgetown ladies was recently granted a hearing before the House committee on buildings and grounds on the Senate bill to provide a park on Georgetown Heights. The following named ladies were present: Miss Rittenhouse, Mrs. Fitzhugh Magruder, Mrs. William A. Gordon, Mrs. F. L. Moore, Mrs. Theo. McAvoy, Mrs. Geo. King and Mrs. Wight. The bill authorizes the acquisition by purchase or condemnation the tract of land known as Montrose, near Lovers' Lane, on Georgetown Heights. The ladies have captured the Senate and it looks as though the House will surrender. A park is greatly needed, in the Georgetown section of the city, in fact though Georgetown is older than Washington it seems to be somewhat neglected by the powers that be. If the ladies succeed in this enterprise in

which the men have failed they will be deserving of all praise.

George T. Moore, an employe of the department of agriculture, who, we are informed, is "engaged in the work of vegetable pathological and physiological investigations," has secured a patent and dedicated it "to the people of the United States," for a process of preparing for distribution organisms which fix atmospheric nitrogen. I trust that the people of the United States will duly appreciate the philanthropy of Mr. Moore. His invention is just what we need. The habit some people have of preparing organisms for distribution with a four-pronged pitchfork, a hoe or any old thing that comes handy, is, to quote a more or less eminent Bostonian, "dead wrong." A street-sweeping machine or a hired girl fresh from Castle Garden, with a broom, are thought by some to do the work very well, but there are objections to their use on the farm or in greenhouses. Mr. Moore has solved the problem. May his shadow never grow less!

The United States department of agriculture has planted in the department grounds this year a collection of narcissi, tulips and hyacinths secured from some of the best European houses. The collection includes something like seventy-five varieties of narcissi, about 200 varieties of tulips and about 150 varieties of hyacinths besides a few California bulbs. The plants are pretty well along in bud now and the earlier varieties have commenced to bloom.

Senator Newland's bill for the preservation of the Mall has passed the Senate. As passed, 890 feet are reserved for the vista. S. E.

Buffalo.

Easter has come and gone, leaving nothing but pleasant thoughts with the trade members. W. J. Palmer says he never had as good Easter plants. J. H. Rebstock estimates his business as good and in plant sales far better than last year. R. M. Rebstock put in a much larger stock this year and sold all. S. A. Anderson handled more of all kinds of plants than last year and could have sold many more lilies. Scott Bros. report a big increase and do not think they will run an annex next year, as they can sell all their surplus stock at wholesale and keep all their employes for their fast increasing up town trade. L. H. Neubeck says business was out of sight from a cut-flower point of view. Violets never were in such demand as this year, with valley second choice. Roses were in fair call, American Beauty finding a very good sale. Had the weather been good on Friday and Saturday, the trade could not have been handled properly. Well grown rose plants found a good sale, while genistas, no matter how well grown, were but little called for.

Now that Easter is passed, and all are satisfied, it is up to the Buffalo Florists' Club to have its election and banquet while all are in good humor. President Scott has ample time now to prepare a list of speakers. Keitsch can always get a good banquet hall and Kasting and Brooker can decide on the incoming officers, to make all pleasant.

The passing of a bill authorizing the Forestry commission of Buffalo to look after the care of trees will be a good thing for the city. Our residence streets will not be spoiled with unsightly dead limbs.

The week following Easter was a lively one; several receptions and two good

weddings helped. The next two weeks will be more lively, as a very large and brilliant wedding is scheduled for the latter part of the month.

The William Scott Company, incorporated, began business March 1 with a capital stock of \$20,000.

Ed. Slattery has charge of Palmer's lower store and no doubt will be a fixture in Buffalo. We hope so.

The opening of a new dry goods store and a new hotel should call forth some choice flowers very soon.

Harry Bunyard was an able assistant to one of our florists Easter and was certainly an acquisition.

Wm. Legg is building two greenhouses on Delavan avenue, near his former stand.

Wm. F. Kasting is about ready to move to his new store.

Mr. and Mrs. S. A. Anderson are in Washington, D. C.

M. Bloy assisted Miss R. M. Rebstock during Easter. Bison.

Columbus, O.

The organization of a Florists' Association was the final outcome of a meeting held at the establishment of the Franklin Park Floral Company by special invitation of Albert Knoff. Light refreshments and cigars were indulged in by the large number present and all were made welcome. A number of interesting discussions took place and to a man they were ready to become members of what promises to be one of the best organizations of its kind in the state. Fifty-four members were enrolled while a number who were unable to attend the meeting sent word that they too wanted to be recognized as members and the names of these will be added to the list at the next meeting, which will take place April 28. Sherman Stephens was the choice from the beginning to act as the first president of the new society, as it was through his untiring efforts that the matter was brought to a head. The response from almost every firm of the city was very encouraging and assures a grand success for the future of the Columbus Association of Florists. CARL.

Lowell, Mass.

Since Easter, business has been very quiet. The good weather has made stock accumulate rapidly. All signs are now favorable for a rush of spring orders as spring is surely here. Already the public is asking for seeds, trees and shrubs. The nurserymen are anticipating plenty of business as a great many outdoor plants have been killed by the severe weather.

The first annual report of the board of park commissioners was sent out the other day, a sixty-eight page book describing the parks and commons in an interesting manner. One of the commissioners is Harvey B. Green, a brother florist.

Backer & Company, at Billerica, are putting up a new house for carnations, 30x400 feet. This firm was only born a few years ago, but under the guidance of our old friend, Ed. Winkler, it seems as if it was having smooth sailing.

John Gale, of Tewksbury, formerly in the employ of M. A. Patten & Company, but now connected with A. Roper, is contemplating erecting a plant of his own.

A. M.

NEW ORLEANS, LA.—Eugene J. Boudinet, with C. Holst, will make trip to France, starting in May.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

The eastern office of the American
Florist is now at 42 W. Twenty-eighth
street, New York.

Now that the season of floral festivals
and parades is approaching, the use of
artificial flowers should be discouraged
everywhere.

EASTER being very late next year the
longiflorum giganteum lily should come
in easily. It is a splendid variety, but
requires a little more time to develop
than the ordinary type.

MANAGER HARTSHORNE, of the Chicago
Carnation Company, Joliet, Ill., advises
us that there was an error in the adver-
tisement of the Cardinal carnation which
appeared in our issue of April 2. The
following should have been substituted
for the sentence given therein: "Raised
by R. Witterstaetter and purchased by
James Hartshorne, of Joliet, and Wm.
Murphy, of Cincinnati, both of whom
have watched it for three years."

Two new azaleas have made a favor-
able impression in the New York market
this Easter season. They are named in
compliment to two of the best known
plant growers for the New York market,
J. M. Keller and Julius Roehrs. J. M.
Keller is similar to Simon Mardner with
flowers larger and more double than that
of Van der Cruyssen. Julius Roehrs is of
an intense color, excelling in that respect
any of the popular varieties.

In the Orchid Review, page 320, 1903,
Odontoglossum Midgleyanum is referred
to as a poor form of O. Ruckerianum.
T. D. Hatfield, gardener for Walter Hun-
newell, of Wellesley, Mass., who recently
exhibited a beautiful plant before the
Massachusetts Horticultural Society as
O. Midgleyanum is inclined to question
the accuracy of the statement in the
Orchid Review, the writer of which may
have seen a poor specimen or other poor
form and been misled thereby.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

It having been shown that a rose is
already in existence bearing the name of
Enchantress, announcement is now made
that the name Enchant has been given to
the variety registered as Enchantress by
John Cook of Baltimore. Dealers are
urgently requested to make the necessary
change in their trade announcements and
catalogues that confusion may be
avoided.

The address of Secretary Wm. J.
Stewart has been changed from 79
Milk street, Boston, Mass., to 11 Hamil-
ton place, room 11, Boston, Mass.

Wm. J. STEWART, Sec'y.

The undersigned committee would urge
every reader of this paper to write to the
member of congress of his district, asking
him to support H. R. 7874, proposed by
Mr. Henry, of Connecticut, for the estab-
lishment of a parcels post and for the
insurance of all mail matter against loss
or damage, which law, if passed, will
prove of vast benefit, not only to our
profession, but to individuals and busi-
ness people in all lines. Impress upon
your representatives the fact that we as
tax payers and business people are the
bone and sinew of this great republic
and, as such, demand our share of the
benefits to be derived from the passage of
this bill. Insist that, as our representa-
tives, they are in duty bound to deliver
us from the greed of certain corporations
who have fed upon us for so long a time,
and who have shown by their under-
bidding the postoffice department on
registered second-class matter that out-
side of this class they are exacting from
the public a profit of from one hundred
and fifty to one hundred and seventy-five
per cent per year on the actual express
investment, and in many cases collecting
charges which are from three hundred to
over twenty thousand per cent of cor-
responding freight rates.

Unless this bill is passed the present
postal regulations virtually protect this
carrying monopoly in its excessive exac-
tions, and it is due to us who have con-
tributed so patiently and so long to have
our wishes considered in the passage of
this bill. Prompt action is necessary,
therefore write at once to your congress-
man and also influence your business
friends in other lines to do the same, and
our concerted efforts may be crowned
with success.

Signed, H. M. ALTICK,
ELMER D. SMITH,
Committee.

Pittsburg.

The volume of business the last week
was very low. The weather conditions
continue to remain indifferent to our
desires, and we continue to receive rain,
snow and frost almost daily. The variety
of stock is limited as very little bulbous
stock is coming in, and it looks as though
it was over with. American Beauty roses
are plentiful and Bride and Bridesmaid
are a little below the standard. Carna-
tions continue good, and the supply large.
Lily of the valley is very fine and in great
demand. Harrisii lilies are especially fine.

Charles T. Seibert has secured a fifteen-
year lease on a fine property at the corner
of Baum and Beatty streets. The plot is
30x90 feet. Mr. Seibert will begin the
building of a fine store and two of the
most modern display houses. He will
continue his Liberty market establish-
ment, which proved to be a fine invest-
ment.

Two of our large department stores
embarked in the blooming plant line for
Easter, with results that were far from
being satisfactory.

Thos. Ulum & Company are highly
delighted with Easter results, especially
so with plant, violet and rose sales.

E. Hostetter, of Manheim, Pa., who is
a large shipper to Pittsburg, paid us a
visit on Saturday.

The orchid display at the Phipps con-
servatories in Schenley park is a very

notable collection and has received much
public comment.

Last Saturday an electric car ran into
one of Randolph & McClements' wagons,
completely demolishing it, also breaking
one of the driver's legs and injuring the
horse.

Ed. Reinaman conducted a party of
friends over the plant of the Pittsburg
Rose and Carnation Company at Bakers-
town last Wednesday.

Lloyd Swarthout, of Washington, Pa.,
visited Pittsburg last week and pur-
chased an automobile.

Frank Schoen, a former Pittsburg
florist, now of Toledo, O., is in the city
on a short visit.

Walter Faulk is ill at his home in
Allegheny. E. L. M.

XENIA, O.—A flower store has been
opened by J. J. Lampert, on South
Detroit street.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 is entitled to a five-line WANT
ADV. (situations only) free, to be used at any
time during the year.

Situation Wanted—As head gardener or fore-
man. German, married, age 31. Best reference.
J. KRAMER, Box 257, Poughkeepsie, N. Y.
Dutchess Co.

Situation Wanted—By good all-around man.
Best of references. Missouri or Illinois preferred.
State wages. Address
FLORIST, care American Florist.

Situation Wanted—By May 1, as foreman on
place where first-class stock is wanted. Roses a
specialty. 7 years in present position.
W. ARNOLD, 815 So. Patrick, Alexandria, Va.

Situation Wanted—By designer, decorator and
salesman; 20 years' experience; permanent posi-
tion. good wages; sober, single, educated. Refer-
ences. Address ALPHA, care Am. Florist.

Situation Wanted—By good all-around man,
capable of taking charge; married, age 31; good
designer. Private or commercial place. Refer-
ences. Address G H, care American Florist.

Situation Wanted—As foreman; by a grower
of twenty years' experience. Best of references.
Married, good worker, steady habits.
CHAS. DUERR, Morton Grove Greenhouses,
Morton Grove, Ill.

Situation Wanted—By good, all-around florist.
Age 27, single, German. Good grower of palms,
ferns, carnations, roses and general pot plants.
Good propagator. Able to take charge.
M L, care American Florist.

Situation Wanted—By first-class decorator
and designer, in a retail store; German, age 24,
single. Life experience. Best of references.
Would, if necessary, devote part time to green-
house. Address E M, care Am. Florist.

Situation Wanted—By a practical florist; good
grower of cut flowers: carnations and mums a
specialty. Also all kinds of bedding stock, palms
and ferns; well up in landscaping. Best of refer-
ences. Private or commercial. Address
CARNATION, care American Florist.

Situation Wanted—As headgardener or fore-
man; German, married, age 36 thoroughly com-
petent in all branches; practical grower of cut
flowers and general stock; also designing; 23
years' experience. All references; honest, sober.
State wages and particulars. Address
M, 2438 West Sergeant St., Philadelphia, Pa.

Situation Wanted—By competent florist and
gardener, understands growing roses, carnations,
mums, violets, palms, ferns, general bedding
stock, vegetables under glass, hothouse fruits and
all the horticultural novelties. Wants position as
gardener on gentleman's place, or as florist in a
horticultural establishment; 30 years' experience.
First-class references from both countries; 46
years of age, sober and industrious. Private
place preferred. Address E S,
care American Florist, Chicago.

Help Wanted—Man accustomed to work in
greenhouses and mushroom cellars. Address
R. Lockwood, Park Ridge, N. J.

Help Wanted—A single man for palms, ferns and general greenhouse stock. Address
H. F. HALLE, 548 N. Madison St., Chicago.

Help Wanted—A competent rose and carnation grower, by June 1st. Address
TONSETH BROS., Mt. Tabor, Portland, Ore.

Help Wanted—First-class storeman, one experienced in table decorations. Only first-class help need apply. Address
W,
care American Florist, Chicago.

Help Wanted—At once, two first-class growers for roses and carnations under foreman. None but good, steady men need apply.
G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Help Wanted—At once, an all-around florist. Sober, energetic, of good moral character and not over 30 years old. No others need apply.
F. WALKER & CO., Box 316, New Albany, Ind.

Help Wanted—A good man for retail flower store in Chicago. References required. State salary wanted. None but a first-class man need apply. Address
Box 24, care Am. Florist.

Help Wanted—A good, sober, industrious man at once to grow roses, carnations on small commercial place. State wages with room and board, also references.
S. J. LONG, Petoskey, Mich.

Help Wanted—A single man with some experience in greenhouse work, for a assistant florist. State experience and wages wanted with board and room.
C. L. BRUNSON & Co,
Box 74, Paducah, Ky.

Help Wanted—Nice clean rose grower to take entire charge of rose section. Comfortable position and good wages to competent man. Locality suburb of Toronto. References will be required.
MILLER & SONS, Bracondale, Toronto.

Help Wanted—A first-class grower of carnations, mums and general greenhouse stock. Wages \$50.00 per month. Only a good grower need apply. References required. Address
FRANK BEU, 2780 N. 40th Ave., Chicago.

Help Wanted—Good man, sober and industrious, to work in retail place where all kinds of plants are grown; steady work; single man, \$25.00 with board and room; married man, \$40.00 per month. Wanted at once.
H. S. BAKER, Warsaw, N. Y.

Help Wanted—Practical man experienced in growing carnations, bedding and bulbous stock, capable of taking charge of commercial plant of 10,000 feet of glass in Western New York. Address, giving age, experience, references, wages wanted,
M X, care American Florist.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references.
FRED J. KING, Ottawa, Ill.

Wanted—To rent. 15,000 to 25,000 square feet of glass in good condition, on or before June 1st.
H C, care American Florist.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address
HAUR FLORAL CO., Erie, Pa.

To Rent—Eleven greenhouses, rooms and stable in Clifton, Cincinnati, O. Apply to
Jno. J. SCHIFF, No. 206 Carlisle Building.

For Sale—At a bargain 4 greenhouses 20x100 feet, barn, 7 room dwelling house, 1 acre; 16 miles northwest of Chicago. Cause, failing health.
J D, care American Florist.

For Sale—Ten greenhouses; about 40,000 feet of glass. Good house and barn. Everything in good order. Ten miles north of Chicago City Hall.
P J, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale—14,000 feet of glass in thriving town 8,000 close to large city, in central Indiana. Natural gas. Fine rose soil. Well established retail trade. Fine chance for up-to-date florist.
B H, care American Florist.

For Sale—A fortune in this: The finest greenhouse plant in a western state. 2 acres, 40,000 square feet of glass. Modern in every way; all new. A ready market for all products. In a thriving city in Colo. Write for particulars.
C C, care American Florist.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address
SAMUEL J. BUNTING, Elmwood Ave.
and 58th St., Philadelphia, Pa.

For Sale—Well established florist business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. For particulars address
FRANK M. PAINE, Traverse City, Mich.

For Sale—\$4,800 takes place of 12,000 feet of glass; well stocked. Good dwelling and barn, 1 acre land, team, wagons and tools, complete. Place well worth \$6,000. Spring trade will turn \$1,500. Located in progressive city of 12,000; 3 steam, 3 electric lines. All health cause for selling. For particulars address
X, care American Florist.

For Sale—Greenhouse establishment. On account of sickness. 11 greenhouses, stocked with roses and carnations, steam heating, well, windmill, steam pump, 10,000 gallon tank, packing room, 6 room dwelling house, barn, horse and wagon, 2 acres of land, unsurpassed climate, adjacent to San Francisco. Address
FRANK SPORER,
Elmhurst, Alameda County, Cal.

FOR SALE.

Range of houses of about 4500 square feet, erected in 1903 cypress and red cedar throughout, modern ventilators, city water, well stocked, doing good business, with excellent opportunity for extending trade. Only greenhouse within thirty-five miles. Can be bought for two-thirds original cost. Address

H. H. COTTON, Nebraska City, Neb.

WANTED.

Position as foreman in an up-to-date plant, Beauties, Teas, Carnations and Pot Plants my specialty. Address

F C H, care American Florist.

WANTED

By Florists' American Exchange.

To Rent A well equipped Greenhouse Plant with modern improvements, with the option of buying within a reasonable stated time. Size 6,000 to 10,000 feet of glass in good live town or near a healthy city.

Another Special Demand is for a Plant of about 10,000 feet or more in Southern Michigan or Northern Indiana.

Both of the above requests come from practical men of experience who have saved a limited amount from their earnings, and want to make an effort to establish themselves "on their own hook."

Pipe. If you have any to spare send us a schedule for our May list. Parties making additions or alterations will want to purchase them. We should have your memorandum now.

Spraying Outfits.

What have you to spare and recommend in this line at inductive prices?

Florists' American Exchange

MAIL COMMUNICATIONS TO

C. B. WHITNALL,

Care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Apr. 14.

Roses, Beauty, long per doz.	3.00@4.00
" " med.	1.50@2.00
" " short.	4.00@ 8.00
" Brides, Bridesmaids.	4.00@ 6.00
" Meteor, Golden Gate.	4.00@ 6.00
" Perle.	4.00@ 6.00
Carnations.	2.00@ 4.00
Smilax.	18.00@20.00
Asparagus.	35.00@50.00
Violets.	1.00
Valley.	2.00@ 3.00
Tulips.	2.0 @ 3.00
Daffodils.	2.00@ 3.00
Callas.	10.00
Harrisii.	12.50

PITTSBURG Apr. 14.

Roses, Beauty, specials.	25.00@30.00
" " extras.	15.00@20.00
" " No. 1.	8.00@12.00
" " ordinary.	3.00@ 5.00
" Brides, Bridesmaid.	3.00@10.00
" Meteor.	2.00@ 6.00
" Liberties.	2.00@1.00
" Kaiserin.	2.00@ 6.00
Ulrich Brunner.	6.00@ 8.00
Carnations.	1.00@ 4.00
Lily of the valley.	2.00@ 4.00
Smilax.	20.00@20.00
Asparagus, strings.	30.00@50.00
Asparagus Sprenger.	2.00@ 3.00
Violets.	.25@ 1.00
Lilies.	5.00@ 8.00
Romans, Paper White.	1.00@ 3.00
Tulips.	1.00@ 3.00
Daffodils.	1.00@ 3.00
Dutch Hyacinths.	3.00@ 4.00
Yellow Purple Iris.	6.00

CINCINNATI, Apr. 14.

Roses, Beauty.	2.00@ 2.00
" Brides, Bridesmaid.	3.00@ 6.00
" Liberty.	4.00@ 8.00
" Meteor, Golden Gate.	4.00@ 8.00
Carnations.	1.00@ 4.00
Lily of the valley.	3.00@ 4.00
Asparagus.	50.00
Smilax.	15.00
Adiantum.	1.00@ 1.50
Violets.	.50@ .75
Narcissus.	3.00
Romans.	3.00
Harrisii.	12.50@15.00
Calla.	10.00@12.50

St. Louis, Apr. 14.

Roses, Beauty, long stem.	3.00@4.00
" Beauty, medium stem.	1.50@2.00
" Beauty, short stem.	.75@ 1.00
" Brides, Bridesmaid.	4.00@ 8.00
" Golden Gate.	4.00@ 8.00
Carnations.	1.50@ 3.00
Smilax.	15.00
Asparagus Sprenger.	1.00@ 3.00
" Plumosus.	25.00@50.00
Ferns.	per 1000. 4.00
Narcissus Paper White.	3.00
Valley.	3.00@ 4.00
Romans.	2.00@ 3.00
Dutch hyacinths.	3.00@ 4.00
Tulips.	3.00@ 4.00
Callas.	10.00@12.50
Harrisii.	10.00@12.50
Poeticus.	1.00

HEADQUARTERS FOR WILD SMILAX

AMERICAN BEAUTY Per Dozen.

36-inch stems.	\$5.00
24 to 30-inch stems.	3.00
18 to 24 "	2.00 to 3.00
15 to 18 "	1.50 to 2.00
12 to 15 "	1.00

Bride and Maid.....\$3.00 to \$8.00
Golden Gate..... 3.00 to 8.00

Per 100

Carnations.	\$1.50 to \$2.00
" Fancy.	3.00 to 4.00
Violets, Double.	.50 to 1.00
Single.	.50 to .75
Valley.	2.00 to 4.00
Daffodils, Paper White.	2.00 to 3.00
Tulips.	2.00 to 4.00
Harrisii.	10.00 to 12.50
Callas.	10.00 to 12.50
Asparagus Sprenger, sprays.	2.00 to 4.00
" Plumosus, string, 25c to 50c each.	
Fancy Ferns.	per 1000, \$3.00 .35
Galax, Bronze, Green, 1000,	\$1.25 .15
Adiantum.	1.00
Leucothe Sprays.	1.00
Smilax.	per dozen, \$2.50

DEAMUD'S SPECIAL
Ferns, \$3.00 per 1000.

Book your orders now for WILD SMILAX and other wants.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

Brant & Noe Floral Co.,

GROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.
58-60 Wabash Ave., CHICAGO.
Please mention the American Florist when writing.

H. G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

FOR 'SOUTHERN WILD SMILAX.
(Where quality is First Consideration);
Write, Wire or Phone the Introducing,

CALOWELL THE WOODSMAN CO., Evergreen, Ala.,
or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

G. B. Flick Floral Co.

207-9 W. Berry Street, FT. WAYNE, IND.

Growers of Extra Fine Carnations,
Daffodils and English Violets.
Reasonable Prices. Prompt Attention.
Address all mail to Miss C. B. FLICK.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

J. M. McCULLOUGH'S SONS

WHOLESALE FLORISTS

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.
26 Miami Ave., DETROIT, MICH.

Pittsburg Florist Exchange

WHOLESALE FLORISTS.

243 Diamond St., Pittsburg, Pa.
CONSIGNMENTS SOLICITED.

There Are Buyers

For all kinds of good stock advertised in.....

THE AMERICAN FLORIST

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,

AT CHICAGO MARKET RATES.

42-44 E. Randolph St.,

CHICAGO, ILL.

Choice Quality

Not only is Stock Equal to All Requirements and Reasonable in Price, but Qualities were never Better in ROSES and CARNATIONS. First-class in All other lines.  SEND US YOUR ORDERS.

ALL CUT FLOWERS IN SEASON.

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 40-inch stem.....	\$4.00
24-inch stem.....	3.00
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	1.00
Short stems, \$5.00 to \$6.00 per 100	

	Per 100
Bride and Maid.....	\$3.00 to \$ 8.00
Meteor and Gate.....	3.00 to 8.00
Perle.....	3.00 to 6.00
Roses, our selection.....	3.00
Carnations.....	1.50 to 2.00
" large and fancy.....	3.00 to 4.00
Violets.....	.75 to 1.00
Valley.....	3.00 to 4.00
Romans, Paper Whites.....	2.00 to 3.00
Tulips.....	3.00 to 5.00
Daffodils.....	2.00 to 3.00
Sweet Peas.....	.75 to 1.00
Callas, per doz.....	\$1.25 to \$1.50
Harrisii, per doz.....	1.00 to 1.50
Asparagus, per string, 30c to 50c	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns..... per 1000, \$3.50	.40
Galax..... per 1000, 1.25	.15
Adiantum.....	1.00
Smilax..... per doz., \$2.50	
Leucothoe Sprays.....	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

FRANK GARLAND,
Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY OUT **FERNS**
55-57 WABASH AVENUE, CHICAGO.
Telephone Central 3284.
Please mention the American Florist when writing.

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**
Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.

WIETOR BROS.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

It is good business policy to mention the 

American Florist

.....when writing to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **WHOLESALE CUT FLOWERS**
A Specialty..... GROWER of

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

Chicago, Apr. 15.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" 20 to 24 "	2.0@ 2.50
" 15 to 18 "	1.50@ 2.00
" 12 "	1.00@ 1.50
" Liberty.....	6.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	5.00@ 10.00
" Bride, Bridesmaid.....	3.00@ 8.00
" Meteor, Golden Gate.....	4.00@ 8.00
Carnations.....	1.50@ 2.00
" fancy.....	3.00@ 4.00
Valley.....	3.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@6.00	
" Sprengeri.....	3.00@ 6.00
Violets, double.....	.75@ 1.00
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000 2.50@ 3.50	
Smilax.....	12.50@15.00
Callas.....	1.00@ 1.50
Harrisii.....	2.00@ 5.00
Tulips.....	2.00@ 3.00
Daffodils.....	2.00@ 3.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.

Wholesale Growers of **Cut Flowers**

and Dealers in **Cut Flowers**
All telegraph and telephone orders given prompt attention. 35-37
GREENHOUSES: Randolph Street,
Morton Grove, Ill. CHICAGO, ILL.

Please mention the American Florist when writing.

WEILAND - AND - RISCH

CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRIOR LIST.
WHOLESALE FLORISTS

ALWAYS MENTION THE.....

.....**AMERICAN FLORIST**

WHEN WRITING ADVERTISERS.

Leo Niessen

WHOLESALE FLORIST,

1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

For April Weddings

VALLEY, BEAUTIES, LILIES, WILD SMILAX.

Write for Prices.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.

QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers. All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET, 15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA. THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr. WHOLESALE FLORIST.

CHOICEST CUT FLOWERS. 43 W. 28th St., NEW YORK CITY.

GEORGE SALTFOORD, WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK.

TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.

Consignments of any good flowers 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.

N. Lecakes & Co.

63 W. 28th St., and 46 W. 29th St., Also at 26th St. and 34th St. Markets

NEW YORK. FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.

Telephone 1214 Madison Square.



WILD SMILAX ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$2.00 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00, 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. 'Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

Wholesale Flower Markets

BOSTON, Apr. 13.

Roses, Beauty, extra.....	10.00@20.00
" " medium.....	5.00@ 8 00
" " culls.....	1 00@ 3.00
" Bride, Bridesmaid.....	1.00@ 2.00
" extra.....	4.00@ 8.00
" Liberty.....	4.00@10.00
Carnations.....	.75@ 1.50
" Fancy.....	1.50@ 3.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies, Calla.....	4 00@ 6.00
Smilax.....	12.00@20 00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	.75@ 1.70
Tulips.....	.75@ 1.00
Peas.....	.50@ 1.00

PHILADELPHIA, Apr 13.

Roses, Tea.....	3.00@ 5 00
" extra.....	8 00@10 00
" Beauty, extra.....	16 00@25.00
" firsts.....	8 00@10.00
" Queen of Edgely, extra.....	16.00@25.00
" firsts.....	8.00@10.00
Carnations.....	2.00@ 6.00
Violets, single.....	30@ .40
" double.....	.50@ .75
Lily of the valley.....	3.00@ 4.00
Daffodils.....	1.00@ 3.00
Tulips.....	2.00@ 3.00
Lilac.....	.25@ 1.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15 00
Calla Lilies.....	6 00@ 8.00
Longiflorum.....	6.00@ 8.00

BUFFALO, Apr. 14.

Roses, Beauty.....	3.00@40.00
" Bride, Bridesmaid, Meteor.....	3.00@10.00
Carnations.....	2.50@ 6.00
Harrisii.....	12.5 @15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1 00
Violets.....	.60@ .75
Callas.....	8.00@10.00
Sweet Peas.....	.40@ 60

Get Our LAUREL FESTOONING

and Southern Smilax for your Easter decorations. No. 1 quality Laurel festooning, made all round, full and the best made, fresh from the woods, 4c, 5c and 6c per yd. 50 lb. case, finest Smilax ever sold, only \$6.00. Fancy ferns, \$2.00 per 1000. Dagger Ferns, \$1.50 per 1000. A1 stock Bronze and Green Galax, 75c per 1000; discount on 10,000 lots, send us your orders early for Easter and get the best to be had at bottom prices and fresh from the woods. Satisfaction guaranteed. Thanking you for past favors we are yours to command.



GALAX.

Brilliant Bronze or Green, \$ 1.00 per 1000; 75c per 1000 in 5000 lots or over. Southern Smilax, per 50-lb. case \$6.00; per 25-lb. case, \$3.50. Leucothoe Sprays, green, \$1.00 per 100; \$7.50 per 100. Green Sheet Moss, per barrel sack \$2.50. Dagger Ferns, \$1.25 per 1000. ALL KINDS FLORISTS' SUPPLIES.

Tel. 597 Madison Square. L. J. KRESHOVER, 112 W. 27th St., New York.

Please mention the American Florist when writing.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices. Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Please mention the American Florist when writing.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2085 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonal novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS

Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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. Tel. 556 Madison Sq.
115 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St., New York.
Cut Flower Exchange,

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, Apr. 13.

Roses, Beauty, Liberty, best.....	15.00@20.00
" " medium.....	4.00@ 8.00
" " culls.....	1.00@ 2.00
" Bride, Bridesmaid, G. Gate.....	.50@ 6.00
" Brunner.....	10.00@25.00
Carnations.....	.50@ 1.00
" fancy and novelties.....	2.00@ 3.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	2.00@ 4.00
Violets.....	.20
Smilax.....	10.00@20.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Tulips Hyacinths.....	.50@ 1.00
Narcissus.....	.50@ 1.00
Gardenias.....	25.00@50.00
Stocks.....	.20@ .35 per bun.
Sweet peas.....	.03@ .12 per bun.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Always mention the.....

American Florist

when you write to an advertiser.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,
WHOLESALE FLORISTS.

Daily Reports. Weekly Payments:
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St.
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the Am. Scan Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th. St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER
GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

24 1/2 Massachusetts Ave., INDIANAPOLIS, INU.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, Long Dist. Phone Linde 1196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Campania	1	Sat. Apr. 23, 10.00 a. m.	Apr. 29
New York.....	"	Etruria	1	Sat. Apr. 30, 8:00 a. m.	May 6
Boston.....	"	Saxonia	1	Tues Apr. 26, 6:30 a. m.	May 3
New York.....	Glasgow	Mongolian	2	Thur. Apr. 28, 11:00 a. m.	May 8
New York.....	Hamburg	Auguste Victoria	3	Thur. Apr. 21, 10:00 a. m.	May 1
New York.....	"	Pretoria	3	Sat. Apr. 23, 11:00 a. m.	May 3
New York.....	"	Bleucher	3	Thur. Apr. 28, 11:00 a. m.	May 8
New York.....	"	Graf Waldersee	3	Sat. Apr. 30, 5:00 a. m.	May 10
New York.....	Copenhagen	Island	4	Sat. Apr. 23, 2:00 p. m.	
New York.....	"	Helig Olav	4	Wed. Apr. 27, 2:00 p. m.	
New York.....	Glasgow	Ethiopia	5	Sat. Apr. 23, Noon.	Apr. 27
New York.....	"	Columbia	5	Sat. Apr. 30, 9:00 a. m.	May 3
New York.....	London	Minneapolis	6	Sat. Apr. 23, Noon.	May 5
New York.....	"	Mesaba	8	Sat. Apr. 30, 9:00 a. m.	Apr. 28
New York.....	Liverpool	Cedric	7	Wed. Apr. 20, 8:00 a. m.	May 7
New York.....	"	Majestic	7	Wed. Apr. 27, 10:00 a. m.	May 3
New York.....	"	Arabic	7	Fri. Apr. 29, 5:00 p. m.	May 10
Boston.....	"	Cymric	7	Thur. Apr. 21, 2:00 p. m.	May 3
Boston.....	"	Republic	7	Sat. Apr. 30, 10:00 a. m.	May 10
Boston.....	Mediterranean	Canopic	7	Sat. Apr. 23, 3:30 p. m.	
New York.....	Southampton	Philadelphia	8	Sat. Apr. 23, 9:30 a. m.	Apr. 30
New York.....	"	St. Louis	8	Sat. Apr. 30, 9:30 a. m.	May 6
New York.....	Antwerp	Zeeland	9	Sat. Apr. 23, 10:30 a. m.	May 3
New York.....	"	Finland	9	Sat. Apr. 30, 10:30 a. m.	May 10
New York.....	Havre	La Bretagne	10	Thur. Apr. 21, 10:00 a. m.	May 1
New York.....	"	La Savoie	10	Thur. Apr. 28, 10:00 a. m.	May 8
New York.....	Rotterdam	Ryndam	11	Tues. Apr. 19, 10:00 a. m.	Apr. 29
New York.....	"	Noordam	11	Tues. Apr. 26, 10:00 a. m.	May 6
New York.....	Genoa	Citta di Milano	12	Tues. Apr. 19, 11:00 a. m.	May 5
New York.....	"	Sicilia	12	Tues. Apr. 26, 11:00 a. m.	May 12
New York.....	Bremen	Bremen	13	Thur. Apr. 21, 10:00 a. m.	May 1
New York.....	"	K. Wil. Der Grosse	13	Tues. Apr. 26, 10:00 a. m.	May 3
New York.....	Genoa	Konigin Luise	13	Sat. Apr. 23, 11:00 a. m.	May 6
Boston.....	Liverpool	Cestrian	14	Wed. Apr. 20, 1:00 p. m.	Apr. 30
Boston.....	"	Devonian	14	Wed. Apr. 27, 7:30 a. m.	May 7
Portland.....	"	Kensington	15	Sat. Apr. 30, 2:00 p. m.	May 10

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 8 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

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Cor. MIAMI and GRATIOT AVES.

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Mail, telegraph or telephone orders filled promptly in best style.

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FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

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DENVER.

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J. A. VALENTINE, DENVER, COLO. Pres.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

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33 Post Street, SAN FRANCISCO, CAL.

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Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
Liverpool.....	New York	Aurania	1	Tues. Apr. 19	Apr. 27
Liverpool.....	"	Lucania	1	Sat. Apr. 23	Apr. 29
Liverpool.....	"	Umbria	1	Sat. Apr. 30	May 7
Liverpool.....	Boston	Ivornia	1	Tues. Apr. 26	May 3
Glasgow.....	New York	Laurentian	2	Sat. Apr. 23	May 3
Liverpool.....	Montreal	Ionian	2	Thur. Apr. 21	May 1
Liverpool.....	"	Bavarian	2	Thur. Apr. 23	May 8
Genoa.....	New York	Palatia	3	Tues. Apr. 26	May 10
Hamburg.....	"	"	3	Thur. Apr. 21	Apr. 30
Hamburg.....	"	Pennsylvania	3	Sat. Apr. 23	May 3
Hamburg.....	"	Deutschland	3	Thur. Apr. 28	May 5
Hamburg.....	"	Patricia	3	Sat. Apr. 30	May 10
Copenhagen.....	"	Oscar II	4	Wed. Apr. 20	
Copenhagen.....	"	Norge	4	Wed. Apr. 27	
Glasgow.....	"	Astoria	5	Thur. Apr. 21	May 1
Glasgow.....	"	Anchoria	5	Thur. Apr. 28	May 8
Glasgow.....	"	Minnetonka	6	Sat. Apr. 23	May 3
London.....	"	Minnehaha	6	Sat. Apr. 30	May 10
London.....	"	Oceanic	7	Wed. Apr. 20	Apr. 26
Liverpool.....	"	Teutonic	7	Wed. Apr. 27	May 3
Liverpool.....	"	Celtic	7	Fri. Apr. 29	May 7
Liverpool.....	"	Cretic	7	Thur. Apr. 28	May 5
Liverpool.....	Boston	Romantic	7	Wed. Apr. 27	May 9
Naples.....	"	St. Paul	8	Sat. Apr. 30	May 6
Southampton.....	New York	Vaderland	9	Sat. Apr. 23	May 3
Antwerp.....	"	Kronland	9	Sat. Apr. 30	May 10
Antwerp.....	"	La Touraine	10	Sat. Apr. 23	May 3
Havre.....	"	La Lorraine	10	Sat. Apr. 30	May 10
Rotterdam.....	"	Pntsdam	11	Sat. Apr. 23	May 3
Rotterdam.....	"	Rntterdam	11	Sat. Apr. 30	May 10
Rotterdam.....	"	Nord America	12	Mon. Apr. 18	May 3
Genoa.....	"	Liguria	12	Mon. Apr. 25	May 10
Bremen.....	"	Kronprinz Wilhelm	13	Tues. Apr. 19	Apr. 23
Bremen.....	"	Barbarossa	13	Sat. Apr. 23	May 3
Bremen.....	"	Prinzess Alice	13	Tues. Apr. 26	May 5
Bremen.....	"	Prinzess Irene	13	Thur. Apr. 21	May 4
Genoa.....	"	Bohemian	14	Sat. Apr. 23	May 3
Liverpool.....	Boston	Canadian	14	Sat. Apr. 30	May 10

* See steamship list on opposite page.

Orchids!

Just arrived in perfect condition **Cattleya Mossia**, **Oncidium papilio** (butterfly orchid), **O. ampliatum majus**, **Peristeria elata** (Holy Ghost orchid), **Catasetum** in var., **Cycloches**, **Epidendrum**, **Stanhopea**, **Deudrobium nobile**, **D. densiflorum** and **D. Chrysanthum**. Also a lot of bulbs of **Calanthe Veitchii** for immediate delivery.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.
Please mention the American Florist when writing.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.
Please mention the American Florist when writing.

Chas. W. McKellar,

Wholesale Commission Florist
—AND DEALER IN—
ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.
Please mention the American Florist when writing.

Cattleya Trianae Just received grand lot in fine condition and well leaved, low price for large quantity. Address
A. PERICAT, Collingdale, Del. Co., Pa.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER

IN THE WORLD.

Current Price List.

	Per Doz.
AM. BEAUTIES, long stems,	\$4.00
" " 30-in. "	3.00
" " 20-24 "	2.00
" " 15-18 "	1.50
" " Short stems.....	.75 to 1.00
Per 100	
SUNRISE.....	\$5.00 to \$8.00
CHATENAY.....	6.00 to 10.00
BRIDE.....	5.00 to 8.00
BRIDESMAID.....	5.00 to 8.00
PERLE.....	3.00 to 8.00
CARNATIONS.....	2.00 to 3.00
ROSES, OUR SELECTION.....	4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

A Daily Cut From 40 Growers

"Highest Qualities"

AS WELL AS

"Under Grades"

At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR

Cut Flower Wants

TO ADVANTAGE.

Headquarters for "Superior Quality" Brand
Wild Smilax (None Better), Galax,
Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,

E. F. Winterson, John P. Degnan, L. H. Winterson,
Successors to McKellar & Winterson.
45-47-49 Wabash Avenue, CHICAGO.

Yellow Daisies and fine Kaiserins, Maids and Brides, Fancy Carnations.
PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

CALADIUM ESCULENTUM bulbs in good order are not overplentiful.

THE continued dry weather cut short the crop of beans on the Florida east coast.

POTATO stocks are well sold out. A drop in prices is predicted, eating stock being apparently too high.

VISITED CHICAGO: C. L. Kunz of M. G. Madson Seed Company, Manitowoc, Wis.; J. A. Everitt, Indianapolis, Ind.; Edwin R. Baldwin, of Benjamin Hammond's Slug Shot Works, Fishkill on Hudson, N. Y.; H. W. Rodgers, Cincinnati, O.

MATTITUCK, L. I., N. Y.—J. M. Lupton writes under date of April 2, with reference to cabbage seed prospects: "The winter on Long Island has been unusually severe and at this writing there is still some frost in the ground. The work of setting the large cabbage stocks for seeding has just commenced, about two weeks later than usual. All the stock buried in exposed locations, or where water has stood during the past winter, appears to be frozen to death, and but a small percentage of it will be saved. In more favored locations or where well protected it is reported in fairly good condition. The result will probably be an uneven supply of the different varieties and general prospects at the present time indicate a crop considerably below average yields."

Important Patent Suit.

The Brown Bag Filling Machine Company, of Fitchburg, Mass., has filed a bill in equity in the United States Circuit Court for the Western District of New York, asking for an injunction and accounting against J. L. Drohen for the infringement of certain letters patent for bag filling machines.

The Brown Bag Filling Machine Company is the originator of machines for filling bags which are used especially in connection with the seed industry, and is the only concern in the country manufacturing practical machines of this character. It has been in the field for a number of years and its machines are used by leading seed houses of the United States, and also at the Agricultural Department at Washington on the congressional seed distribution.

The complainant alleges that Mr. Drohen, in a machine recently constructed by him, has infringed several of its patents.

The Brown Bag Filling Machine Company is represented by Messrs. Roberts, Becker, Messer & Groat, attorneys of Buffalo, N. Y., and Nathan Heard, of Crosby & Gregory, patent counsel of Boston, Mass.

San Francisco.

All seed crops in this state are in a backward condition, April 2. There has been no growing weather for over a month and most vegetation was at a standstill during that time. With warm weather and no further setback, crops above the average must result. Your correspondent has been all over the seed district, as far as Arroyo Grande, within the last ten days and can safely vouch for the above.

Interested parties may be disposed to magnify flood losses, but good crops are coming along just the same.

E. J. Bowen's business is to be continued on the same lines as formerly for the benefit of the widow. SEEDSMAN.

Legal Seed Warranty.

A case of interest to seedsmen was heard last week at the Leicester County Court, in which Messrs. Harrison, Leicester, sued Atterbury Bros. (farmers), for £16 1s. 4d. goods supplied April 1902. The defendants made a counter-claim for £30 18s. 9d. on the ground that the goods were mangold seeds which did not grow, and for expenses in preparing and reowing the land for another crop. The seed was sold personally on market by the head of the firm and it was claimed that he guaranteed it to grow 100 per cent. This was controverted by Mr. Harrison who said that he stated that it grew 120 per cent on trial, but did not give any guarantee to that effect; he also drew attention to the non-warranty causes in his catalogues and invoices. The failure was owing to too early sowing and the unfavorable season, which were manifestly beyond the control of the seedsman.

His Honor said he saw nothing contradictory at all in the notice sent out with the invoice of the seed that there could be no guarantee of the growth of any seed, and the statements made at the time of the contract of sale. All the seller undertook was that he was selling new seed, which according to the tests made had a germinating power of 100 to 120 per cent, evidence had been given on his behalf to prove that. There was no guarantee that the seed should actually come up, that was a matter depending upon circumstances beyond the control of the seller, and it was almost incredible that, unless some extraordinary price was charged, a guarantee should be given of the nature that was relied upon by the buyer. Judgment was given for the plaintiff on both the claim and counter-claim.—*Horticultural Advertiser, March 30, 1904.*

Asparagus Plumosus Seed.

SOUND and PLUMP GREENHOUSE GROWN, 75c per 100; \$6.00 per 1000.

CYCAS STEMS, weighing 1 to 6 pounds each.....\$8.00 per 100 pounds; 300 pounds, \$21.00
HARDY ROSES. All leading sorts 2-year-old, \$11.00 per 100; \$100.00 per 1000.

ARTHUR T. BODDINGTON, 35 Warren Street, NEW YORK.

20,000 Florence Vaughan Canna Bulbs

\$1.00 per 100; \$7.00 per 1000. 20,000 DAHLIA BULBS, best mixed varieties, names having got lost; field-grown, divided roots. 5,000 FLORAL PARK JEWEL, \$2.00 per 100. 10,000 RUDBECKIA, (Golden Glow). 500,000 CABBAGE PLANTS, out-door grown, ready May 1, \$1.50 per 1000. 5,000 MARK HANNA and THOMPSON'S No. 2 Strawberry, \$10.00 per 100. Two finest berries introduced. TOBACCO DUST, \$1.00 per 100. THOMPSON'S EARLIEST, the best early berry, \$1.00 per 100 by mail; \$5.00 per 1000 by express. Cash with order.

MARK T. THOMPSON, Rio Vista, Va.

Lily of the Valley Pips.

For Immediate Delivery From Cold Storage

ALL THE YEAR ROUND.

PRICES ON APPLICATION.



Cycas Revoluta Stems.

1 to 5 lbs. each, 300 lbs. to case. Sold in case lots only.

Send for our list of Surplus Nursery Stock.
SUZUKI & IIDA, 31 Barclay St., NEW YORK.

To Seedsmen

The Only Machine....

on the market for automatically filling and sealing seed packets. * * * * *

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LARGEST RECEIVERS OF

BULBS, PLANTS, PALMS, etc., WEST OF NEW YORK.

We are pioneers in the consolidation of invoices and shipments of Bulbs, Plants, etc., for distribution to various destinations, this arrangement obviously resulting in the saving of considerable expense in the way of fees and and minimums to the various consignees, which would otherwise obtain.

Having handled nearly all of the shipments of this class of goods to Chicago and the West for years, and being thoroughly conversant with the requirements of the law and other details, we are in a position to name the very lowest rates on freights and Custom-House business and to guarantee promptness, accuracy and dispatch.

We shall be pleased to quote rates and furnish routing in instructions on application.

Duties, freight and charges advanced on importations.

TRUE ASPARAGUS PLUMOSUS NANUS SEED.

\$5.00 per 1000 seeds. Plants from flats,
\$15.00 per 1000. Express paid.

California Carnation Co.,
LOOMIS, CAL.

Fresh Musa Ensete

Beautiful Decorative Banana plant, 12 seeds
20c; 100 seeds, \$1.00.

Surplus Asparagus Plumosus Nanus, fresh, reliable,
100, 60c; 1,000, \$5.00

H. H. BERGER & CO., 47 Barclay Street,
NEW YORK CITY.

Cape Cod Pink Pond Lilies

Large, strong flowering roots, \$3.00
per dozen; \$15.00 per 100.

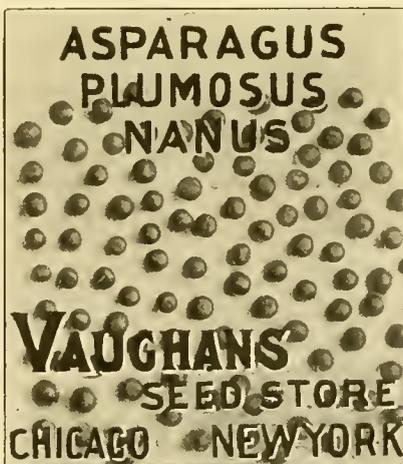
W. I. BODFISH, West Barnstable,
Cape Cod, Mass.

Vegetable and Bedding Plants.

CABBAGE and CAULIFLOWER, transplanted;
CELERY and all Vegetable plants in season;
also full line of bedding plants and R. C.
300,000 PANSIES and other hardy plants. Price
list mailed free. Write for special price on
larger lots, to either place.

LUDVIC MOSBAEK,
Onarga, Ill., or 8500 Anthony Ave., South Chicago, Ill.

SEEDS for PRESENT SOWING



NEW CROP. GREENHOUSE GROWN SEED.

SPECIAL PRICE FOR THE NEXT TEN DAYS.

Per 1000 Seeds, \$6. 10,000 Seeds, \$55.

2 per cent cash with order.

The most profitable plant a florist can grow. Can be
started every month and SELLS EVERY
DAY IN THE YEAR.

Asparagus Plumosus Robustus, 100 seeds, \$1.00;
1000 seeds, \$10.00
Scandens Dellexus, 100 seeds, \$1.25.

ASTER, Truffaut's Peony-Flowered, white, pink,
rose, scarlet, light blue, dark blue, crimson,
each, trade pkt., 20c; ¼ oz., 35c; oz., \$1.20.

Victoria, white, pink, scarlet, light blue, dark
blue, crimson, each, trade pkt., 25c; ¼ oz., 50c;
oz., \$1.75. Mixed, trade pkt., 25c; oz., \$1.20.

Hohenzollern, white, trade pkt., 25c; ¼ oz.,
65c; oz., \$2.50.

Hohenzollern, Extra Early White, trade pkt.,
25c; ¼ oz., 70c.

Branching or Sempra, white, rose, pink, laven-
der, Daybreak pink, red, purple, light blue,
each, trade pkt., 10c; ¼ oz., 20c; oz., 60c.

Upright Branching, white or pink, each, trade
pkt., 10c; ¼ oz., 25c; oz., 65c.

Branching, "Special White," trade pkt., 15c;
¼ oz., 30c; oz., \$1.00.

Giant Comet, white, rose, lavender, light blue,
dark blue, crimson, each, trade pkt., 15c; ¼ oz.,
30c; oz., \$1.20.

Queen of the Market, white, pink, scarlet,
light blue, dark blue, each, trade pkt., 10c;
¼ oz., 20c; oz., 50c.

Calla, Devoniensis, new, blooms in 12 months,
100 seeds, 75c.; 1000 seeds, \$6.00.

Daisy, Shasta, 1-32 oz., 65c; trade pkt., 30c.

Sweet Peas, Emily Henderson, ¼-lb., 10c; 1b.,
20c; 5 lbs., 90c.

Extra Early Blanche Ferry, ¼-lb., 10c; 1b., 20c;
5 lbs., 90c.

Countess of Radnor, ¼-lb., 10c; 1b., 25c; 5
lbs., \$1.00.

Salopian, ¼-lb., 10c; 1b., 25c; 5 lbs., \$1.00.

Blanche Ferry, ¼-lb., 10c; 1b., 20c; 5 lbs., 90c.

Vaughan's Seed Store,

84-86 Randolph St., CHICAGO.

14 Barclay St., NEW YORK.

Please mention the American Florist when writing.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June, 1904.

A TREE to be well planted must be well dug.

WALLINGFORD, CONN.—Barnes Brothers' Nursery Company has been incorporated with a capital stock of \$15,000.

BERBERIS CHINENSIS planted among groups or belts of B. Thunbergia relieves the monotony and adds an agreeable variety to the foliage and fruit effect.

PROF. L. R. TAFT will be in attendance at the horticultural building of the world's fair at St. Louis a great deal of the time this summer and will be glad to have his friends call on him there.

BOSKOOP, HOLLAND.—The business formerly carried on by P. J. Van Heiningen and P. Loef Az under the style of P. Loef Az & Company will be continued under the exclusive management of P. Loef Az.

A FRENCH nurseryman speaking of the necessity of preserving the ball of earth intact in planting evergreens states that on receiving shipped stock he frequently plants it, packing material and all, and has been very successful with this method.

LOUISVILLE, KY.—Officers have been elected by the Floyd County Horticultural and Agricultural Society as follows: Joseph Stilger, president; J. E. Kriereman, vice president; George B. Harrell, secretary, and L. Yenowine, treasurer. Meetings will be held by the society the first Saturday of each month.

FLUSHING, N. Y.—The authorities have arrested a representative of a local nursery firm for removing a tree on a public street at the request of a customer abutting. The case may be pushed to the limit by the Good Citizenship League and Business Men's Association in the interests of the movement to prevent "tree butchery."

SUZUKI & IDA had to pay freight and duty of nearly \$6,000 on one big shipment of nursery stock received by overland route from Japan last week. The goods were Japanese maples, wistarias, sciadopytes and a variety of evergreens and Mr. Suzuki thinks this one of the largest invoices in its class ever coming to New York. Freight from Japan is delayed somewhat now on account of the small slow going steamers that have taken the place of the large vessels chartered by the government for war purposes.

Transplanting Growing Trees at Night.

A number of interesting and conclusive experiments in this manner of planting have been made by Mr. Rene Ronalt, a nursery man at Rennes, according to Le Jardin. Having a large plantation to make late in the season he first experimented on a five-year old linden. By planting at night, watering copiously, and wetting the branches, which had young shoots six or seven inches long, the transplanted trees showed almost no signs of check. Encouraged by this he transplanted the whole of the

trees in the same way between the 21st of May and the 5th of June, losing only two trees which had poor roots. In August a robinia had made shoots thirty inches in length, others had done equally well and a walnut had retained its nuts. Towards the middle of June he transplanted lindens four to five inches in diameter and with tops seven feet through, as well as other trees. A linden transplanted at the end of August had put out an abundance of roots six weeks later. A robinia was transplanted twice at an interval of fifty days and a lot of trees and shrubs were transplanted in July. Grapes transplanted at this time developed regularly.

Some precautions are necessary to success, however. The young shoots should commence to become woody throughout half their length, as, if too soft, they will wither. Abies should have finished their growth a month before transplanting. Most other conifers may be treated like deciduous trees. Shrubs with persistent foliage may be transplanted throughout the growing season successfully by this method, but the operation should preferably be when the shoots have begun to lignify. The work is best done between 10 o'clock at night and 2 in the morning. The earth is settled about the roots by copious watering instead of tamping, and the branches and leaves thoroughly syringed each evening for fifteen days. R.

Worthless Trees Sent West.

Senator Heyburn, of Idaho, introduced an amendment to the general agricultural appropriation bill in Congress, with a view to prohibiting the sale of worthless fruit trees in any state or territory. The amendment failed to pass, because of its class legislation features.

The abuses of the eastern fruit tree agents are becoming unbearable in the west, and Senator Heyburn cited the fact that he had lists of farmers and orchardists showing that over 9,000 fruit trees sent out by eastern firms had proved worthless and unfit for use, and had to be pulled up and thrown away, in Idaho last year.

Peddlers from eastern nurseries sell the cheapest stock that is sent out to the western communities. This stock fails to grow, puts the purchasers back a year in starting an orchard, and is a clear robbery. The Heyburn amendment sought to prohibit this unjust traffic in fruit trees, inasmuch as the practice of selling the worthless stock is becoming so universally demoralizing in some western districts.

While the same practice prevails to a certain extent in Oregon, it has not reached the degree here that it has in Idaho. There is a growing tendency in Oregon to patronize home nurseries and turn down the foreign agents who enter the field.

The same condition could be brought about in Idaho if people would patronize their home nurseries and refuse to buy of the transients. It is an abuse which is brought upon the orchardists by themselves.

There is a general movement in the west looking toward better grades of fruit and the eradication of the pests, and although it seems difficult to reach the questions by law there must be united action on the part of the people to improve conditions.—Pendleton, Ore., East Oregonian.

PLANT NOW Crimson Rambler Roses, 3 to 4 feet fine, \$2.50 per dozen. Clematis, Jackmani, 2-year, \$2.50 per doz.; Paniculata, 2-year, 75c per doz. Double Paeonias, white and pink, \$1.25 per doz. Vinca Major Var., 4-toch, 8c; 3-inch, 5c. Single Paeonias, 75c per doz. Boston Ferns, 4-inch, 8c; 2½-inch, 3c. Pteris, 3-inch, 12c. Ampelopsis Veltchii, 2-year, field-grown, \$6.00 per 100. Pot-grown, dormant, \$4.00 per 100. Canas, best named, \$2.00 per 100. 50,000 Carnations, from flats and general bedding stock. Send for list.
BENJ. CONNELL, West Grove, Pa.

Please mention the American Florist when writing.

W. VAN KLEEF, JR.,

Representing W. VAN KLEEF & SON,
BOSKOOP, HOLLAND.

Wholesale Growers of Nursery Stock, is now in this country visiting the trade. He will remain until the end of April. All correspondence intended for him should be directed to him in care of Mailus & Ware, 136 Water Street, New York. Send for our complete catalogue and price list.
Please mention the American Florist when writing.

SOMETHING for EASTER 1905.

The only true pink **HYDRANGEA HORTENSIS ROSEA**. Same color as Begonia Gloire de Lorraine or

ROSE MME. CAROLINE TESTOUT, very free flowering. Several Awards in Europe.

Now is the time to place your order. 2½-inch pot cuttings well rooted, \$3.00 per 12 \$45.00 per 100. Orders filled in strict rotation, for immediate delivery.

Julius Roehrs,
EXOTIC NURSERIES,
RUTHERFORD, N. J.
Please mention the American Florist when writing.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raffle, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

J. DIJKHUIS & CO.

BOSKOOP-HOLLAND.

QUALITY. QUANTITY.

Ask our prices for
AZALEAS, RHODODENDRONS, PEONIES,
ROSES, HARDY EVERGREENS,
CLEMATIS, Etc.

Price List Free on Application.

Please mention the American Florist when writing.

2,500 Norway, Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in.
At bottom prices.

J. J. STYER, Concordville, Pa.

Please mention the American Florist when writing.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Please mention the American Florist when writing.

Jacs Smits, Ltd. NAARONEN, (Holland.)

(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality.

When in Europe please inspect our nurseries.

NAARONEN-BUSSUM, near Amsterdam, is our R. R. Depot
Please mention the American Florist when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

NAROF, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

NATIVE PERENNIALS

FOR PARK AND GARDEN.

Rosa Carolina, Asclepias Helenius, Lobelia Cardinalis, Lythrum Salicaria, Thalictrum, Iris, etc. Price list sent on application.

Shattemuc Nurseries,
BARRYTOWN, Dutchess Co., N. Y.

WE QUOTE YOU

	¾-in.	½-in.	¼-in.	3½ ft.
APPLE, 52 varieties...	3¼c	3c	2c	
PEACH, 32 varieties...	4½c	4c	3½	2½c
PEAR, Std., 14 vars...	10c	9c		
PEAR, Dwf., 8 vars...	5½c	4¼c	4c	
CHERRY, 7 varieties...	18c	16c	14c	
APRICOT, 6 varieties...	10c	8c		
PLUM, 10 varieties...	24c	20c	14c	
BLACKBERRY, 6 varieties, first-class, R. C.				
plants, each.....				1c
CURRENTS, 7 varieties, first-class, 2-year				
plants, each.....				5c
SHRUBS, 15 sorts, 2 feet, each.....				6¼c
SHRUBS, leading sorts, 3 to 4 feet, each.....				8c

Shade and Ornamental Trees.

Each.	¾ to 1-in.	1-in.	1½-in.	2-in.	3-in.
CAR. POPLAR, 1st class	9c	15c	20c	30c	40c
SOFT MAPLE, 1st class	7c	9c	12c	20c	35c
ELM, Amer'n, 1st class	10c	14c	20c	30c	
HARD MAPLE, 1st class	20c	35c			
WILLOW, assorted.....	18c	22c			
BOXELDER.....	12c	14c	18c		
CATALPA SPEC.....	12c	14c	20c		

Shrubs, Etc.

	2 ft.	Each. 3 to 4 ft.	Each.
SYRINGA, Garland.....	500	5c	600 9c
SPIRAEA, Bill.....	500	5c	700 9c
" Van Houttel.....	600	6c	1000 12c
LILAC, purple.....	400	5c	400 8c
WEIGELIA, V. L.....	190	9c	
BERBERRY, purple.....	60c	3c	700 5c
FRINGE, purple.....	450	5c	400 8c
HYDRANGEA, P. G.....			800 8c
ALTHEA, assorted.....			1000 7c
YUCCA.....			400 4c

5 Through Trunk R. R. Lines from Springfield, Ill.
Free Boxing for cash before shipment and at cost if payment by May 15th. Certificate from Entomologist on each shipment. Can Ship Quick.
Yours sincerely,

SPAULDING NURSERY AND ORCHARD COMPANY,
(Near Springfield) SPAULDING, ILL.

H. P. ROSES

STRONG, 2-YEAR OLD WELL BRANCHED.

- 100 MRS. JOHN LAING.
- 75 MAËL MORRISON.
- 50 PERLE DES BLANCHES
- 75 PAUL NEYRON
- 400 MAGNA CHARTA
- 100 CAPTAIN CHRISTY
- 200 GENERAL JACK
- 50 BARON ROTHSCHILD
- 50 MADAM PLANTIER
- 300 ULRICH BRUNNER.

\$1.30 per Doz. \$10.00 per 100.

E. F. WINTERSON CO.,

E. F. Winterson, John P. Degnan, L. H. Winterson.
45-47-49 Wabash Ave., CHICAGO.

CALIFORNIA PRIVET.

	Per 1000
200,000 2 yrs., 2 to 2½ ft., very bushy.....	\$20.00
150,000 2 yrs., 18 to 24 in., very bushy.....	16.00
100,000 2 yrs., 12 to 18 in., very bushy.....	10.00
200,000 1 yr., 12 to 18 in., branched.....	9.00
200,000 1 yr., 10 to 12 in., branched.....	7.00
100,000 Cuttings, 8 in., strong.....	8.00
100,000 Cuttings, 8 in., light.....	.60

Also have 10,000 Canna Roots in ten leading varieties from 75c to \$1.00 per 100. 2,000 Double Grant Geraniums from 2½-inch pots, \$2.00 per 100. Write for trade list.

J. H. O'HAGAN, Little Silver, N. J.

A FINE LOT OF AZALEAS AND HYBRID RHODODENDRONS.
—SEND FOR PRICES.—
EASTERN NURSERIES, Jamaica Plain, Mass.



Dahlias

Mrs. Winters
The World's Best White Dahlia.
\$18.00 per 100.

Ingeborg Egeland, the best scarlet cactus, \$5.00 per doz. Other novelties and standards. Also 20,000 double field-grown Hollyhocks in separate colors of red, white, pink, yellow and maroon, \$3.00 per 100. Gladioli and hardy plants. Send for catalogue before ordering.

W. W. WILMORE, The Dahlia Specialist.
Box 382, DENVER, COLO.

AGERATUM, Gurney, Pauline, SALVIA, Splendens, Silver Spot, Bonfire, PETUNIA, double, 15 kinds. VINCA, variegated, DOUBLE ALYSSUM, GIANT MARQUERITE DAISY, 2-inch, 2c.

REX BEGONIA, 2 sorts, 3c.
Rooted Cuttings Prepaid. SALVIA, Silver Spot, Bonfire, Splendens. STEVIA, variegated, 90c per 100. AGERATUM, S. Gurney, P. Pauline. ALTERNANTHERA, yellow, 50c per 100. PINKS, 5 fine kinds, 75c per 100. VINCA, Variegated, 75c per 100. PETUNIA, double, 5 kinds, \$1.00 per 100. FUCHSIAS, 5 kinds, \$1.00 per 100. MARGUERITE DAISY, \$1.00 per 100. HELIOTROPE, blue, \$1.00 per 100. REX BEGONIA, assorted, \$1.10 per 100. LANTANA, Trailing and Harkett's Perfection, \$1.00 per 100.

—CASH—
BYER BROS., Chambersburg, Pa.

Send to **THE MOON** Company
For Trees, Shrubs, Vines Your and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.
Morrisville, Pa.

"You Cannot Fool all the People all the Time."

This is as true now as the day when Lincoln said it, but still many bulb firms are trying to do it. Write us and see what we have to offer before buying elsewhere.

John Scheepers, 136 Water Street, New York.
Farms at HILLEGOM, HOLLAND.

Pin Oaks.

—8 to 10 feet.—
CINCKO BILOBA, 8 to 10 feet.
DECIDUOUS CYPRESS, 8 to 10 feet.
Fine stock recently transplanted.

SAMUEL C. MOON,
MORRISVILLE, PA.

California Privet.

	Per 1000
25,000, 2½ to 3½ ft., very bushy.....	\$25.00
25,000, 2 to 2½ ft., bushy.....	20.00
25,000, 18 to 24 in.....	16.00
20,000, Canna Roots, mixed, best sorts.....	12.00
5,000, Golden Elder, 2-yr., strong.....	60.00

All orders are for cash.

W. G. EISELE, West End, N. J.

American Florists
Always do business, Week days and holidays, Sundays and holidays, All over the country, At home and abroad.

Cannas.

The Express, best dwarf crimson Canna to-date. Strong plants from 3-inch pots. \$1.50 per dozen; \$10.00 per 100.

The following varieties in two eye, dormant roots at \$2.00 per 100: Tricadora, Leopard, Explorateur Crampbel, Florence Vaughan, Oscar Dannacker, Maple Avenue, Charles Henderson, Mme. Louis Druz, Pierson's Premier, Crimson Bedder, C. Drevex, Rose-mawr, J. Colette Rochaine, Mrs. R. McKeand and Mottled Queen.

Pennsylvania, \$3.50 per 100.
Mixed Cannas, \$1.00 per 100; \$8.00 per 1000.

GERANIUMS.

Strong fall struck plants from 2-inch pots. The following varieties at \$2.50 per 100.

- 125 MME. BARNEY.
- 150 LaFAVORITE.
- 130 SAM SLOAN.
- 125 MRS. E.G. HILL.
- 300 MME. LANDRY.
- 150 MARVEL.
- 800 JEAN VIAUD.
- 250 S. A. NUTT.
- 100 MME. FOURNIER.
- 300 DRYDEN.

Nathan Smith & Son,
ADRIAN, MICH.

CANNAS
—DORMANT ROOTS.—

We still have a few 1000 Cannas of the best varieties from \$1.00 per 100 up. KENTIA BELMOREANA, 3-inch, \$1.50 per doz.; 4-in. h, extra fine stock \$3.00 per doz. VINCA VARIEGATA, extra strong, \$8.00.

W. W. COLES, Kokomo, Ind.

THREE NEW CANNAS.

Hon. W. R. Hearst, large, free bloomer; scarlet, mottled and edged with golden yellow; outside of petals almost pure yellow; first in bloom. Senator Hanna, large flower; pure orange, tinged with golden yellow. Mrs. John A. Logan, vigorous grower scarlet, with broad yellow golden border; resembles Queen Charlotte.

ANY OF THE ABOVE \$1.00 EACH, CASH.
H. D. SEELE, Canna Specialist, Elkhart, Ind.

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. PEONIES, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 100. H. P. ROSES, dormant, own roots, \$1.50 per doz; \$12.00 per 100. CLEMATIS PANICULATA, 2 and 3 year, \$1.00 per doz. F. A. BALLER, Bloomington, Ill.

Look, Think, Buy.

	Per 100	1000
Sprenger, from seed box.....	\$1.00	\$8.00
English Ivy, 2-inch pots.....	1.50	12.00
Vincas, 4-inch pots, strong.....	5.00	
Maderia, vine roots.....	1.00	
Early Gem and Mammoth Sugar Corn.....	\$4.00 per bu.	

F. Walker & Co., Box 316, New Albany, Ind

A. W. SMITH'S HYBRID MOON VINES

Ipomoea Noctiflora, 2½-inch pots, \$5.00 per 100.

GODFREY ASCHMANN,
1012 Ontario St., PHILADELPHIA, PA.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

A slim attendance at the bowling alleys last Monday afternoon showed that either pressure of business or indifference had diverted the members' attention. Had the versatile and always entertaining "Larry" Hafner given notice that he proposed to permeate the alley with his presence and roll up a score of 233 to mark the event, it is very probable that standing room would have been at a premium. He threatens to do it again. The scores are recorded as follows:

Player—	1st	2nd	3rd
Hafner.....	153	165	233
James.....	141	156	148
Siebrecht.....	150	140	152
Roehrs.....	168	155	161
Nugent.....	116	100	90
Shaw.....	169	160	152

At Chicago.

The members of the Florists' Club bowling team are pegging away diligently and the veterans are becoming seasoned and rounding into great shape for the big St. Louis tourney. The following scores were made at the Geroux alleys, Tuesday evening, April 12:

Player	1st	2d	3d	T'l
Stevens.....	157	157	189	503
Hanswirth.....	160	157	156	473
Asmus.....	147	146	174	467
Balluff.....	139	149	159	447
Scott.....	125	157	147	429
Huebner.....	150	151	126	427
Benish.....	118	105	96	319
Winterson.....			125	125

LADIES.

Player	1st	2nd	3d	T'l
Mrs. Asmus.....	74	86	108	268
Mrs. Winterson.....	73	87	90	250
Mrs. Scott.....	70	113	82	265
Mrs. Hauswirth.....	96	93	117	306

At Philadelphia.

St. Louis and how strong a team there will be from this city is the subject of discussion. There is plenty of good material, and if the best can get away this city will give a good account of itself. Chicago, St. Louis, Baltimore and New York with two or three more ambitious aspirants will no doubt make a great contest for the first prizes. It appears to us that there ought to be two divisions, but probably all would want to be first, and as there can be no such thing as a preliminary contest for place it is probably best as it is.

Some good scores have been made recently. John Burton surprised himself and all the boys with a score of 239, which is high for the month and likely to stay so. W. K. Harris finds it rather a dull day when he does not put up at least one 200 or better. His high this month is 223. The following are the averages for March:

Moss.....	179	Dunlop.....	150
Connor.....	173	Graham.....	143
Starkey.....	161	Watson.....	151
Kift.....	159	Anderson.....	150
Harris.....	157	Baker.....	145
Westcott.....	157	Burton.....	132
Gibson.....	157	Craig.....	124

K.

SEABROOK, N. H.—George E. Felch has bought the greenhouse of Alvah Eaton.

Toronto, Ont.

Easter business was better than last year, much better than was anticipated. The weather was dark and gloomy and had there been more brightness no doubt much more stock would have been disposed of. Most notable was the supply of flowering plants, which far exceeded any output ever seen in this section. So plentiful were they that almost every butcher and grocer in town was selling them, but still many remained unsold. The better stores obtained good prices for cut flowers, but in plants prices were lower than former years. Violets, of all cut flowers, had the call and retailed at \$3 to \$4 per 100, but even at these prices they were sold out long before the day was over. Roses and carnations sold well. Stock was in the best of condition and no pickled stock was seen. The window displays about the city were of the best and some good arrangements were seen, the idea being more to show the better qualities of the stock than to fill up with novelties. After Easter there was considerable funeral work and any good cut flowers that were left over were used to good advantage. Stock since has begun to accumulate, especially in roses and carnations which are of very good grade and still holding up fairly good prices. Lilies, which were just a little late, now help to make the stores look well and all are prepared to do a rushing business. Violets are about over though Wm. Fendley of Brampton is still cutting some very good ones.

J. H. Dunlop has some American Beauty and Ivory which would be hard to beat. His King street store is showing special windows of these. A large cymbidium with hundreds of flowers attracts attention.

Frank Duffort has fine colors in his Azalea mollis. This plant is always attractive but for keeping qualities is not all that could be desired. His H. P. roses are the first to be seen.

P. J. Fogarts promises some of his special pansies in a few days. The sash has been removed from them and a few days' sun will do it.

Wm. Jennings of Brampton is still cutting some fine sweet peas with stems as long as 16 inches. His carnations are all very good.

Some very good Emperor narcissi are coming from Geo. Hollis. He has a seedling carnation which looks promising.

Grobba & Wandrey have some well grown hydrangeas. Their bulbs, ferns and other stock all look promising.

Tidy & Son are showing some nice basket arrangements of ericas which are very good.

The seedsmen are working nights trying to catch up with their orders.

Manton Brothers have some finely grown lilacs and Pierson ferns.

H. G. D.

Cleveland.

Business the last week has been very good considering the amount of flowers disposed of at Easter. There have been a number of social events which have kept the store men busy, and the cut flower market cleaned up pretty well every day with the exception of lilies, which are a glut and hard to move at any price. Owing to the cold, dark weather roses and carnations are not very plentiful, consequently prices have not dropped much since Easter. From present weather indications, outdoor planting will be very late here this spring. Not much planting can be done before the end of April, while in other years the carnation men were busy getting their plants by this time.

Another large greenhouse plant is about to be constructed with Cleveland capital. The E. A. Wilhelmy Floral Company was incorporated last week, with a capital of \$50,000. The incorporators are: L. M. Pfaffman, G. A. Laubscher, John A. Chamberlain, Jos. C. Rayon, Jr., and L. I. Litzler. The plant will be established near Berea, about ten miles from Cleveland. Ten houses 150 feet long will be put up as a starter, all to be of the most modern type. Cut flowers principally will be grown.

Ed. Holland has severed his connection with the Essex greenhouses after five years' service and has gone to San Francisco, Cal.

L. F. Darnell, of the J. M. Gasser Co., is visiting his parents in Raleigh, N. C.

M. Bloy of Buffalo and Denis Connor, of the Lord and Burnham Co., were visitors this week.

ECHO.

To CAPITALISTS, INSECTICIDE, MANURE and SUNDRY MERCHANTS.

EXORS R. CAMPBELL,

Water Street, MANCHESTER, ENGLAND.

Has for sale outright the valuable AMERICAN PATENT RIGHTS of their apparatus for safely vaporizing Sulphur in greenhouses. The apparatus is meeting with enormous success in England, and is now the standard remedy for Mildew on Roses, Vines, Peaches, Chrysanthemums, Strawberries, Etc., Carnation, Cucumber, Tomato and other plant diseases; also the dreaded pest, Red Spider. The patent is most impervious and cannot be infringed or improved upon.

Any manufacturer of Manures, Insecticides or Sundries, buying this patent will prove it a GOLD MINE. It will sell in every greenhouse in America, and at the same time help to sell other lines. FULL PARTICULARS ON APPLICATION TO OWNERS.

For Testimonials see Issue of AMERICAN FLORIST, April 2.

THE NEW MAIDENHAIR FERN.

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A GREAT ACQUISITION. The best of all ferns for cut fronds. Brings the highest prices. The easiest to grow and the easiest to sell. Has received the highest encomiums from the leading cut flower dealers in the country. Buy now. Buy liberally and reap the benefits. *Adiantum Croweanum* originated at Utica, N. Y., about fourteen years ago, and has been extensively grown by the original owner, Mr. Peter Crowe, who has received phenomenal prices for the cut fronds in the New York and other markets, and has created a great demand for it. The fronds are long, elegantly proportioned and of a texture that renders it the best keeper and shipper of all *Adiantums*. It is a very free and continuous grower, requires no rest, and responds readily to fertilizers. Anyone can grow it and get good money for it. Will be ready to ship July 1, 1904, out of 3-inch pots (strong plants) at the following prices: \$5.00 per doz.; \$35.00 per 100; \$250.00 per 1000. 25 at 100 rate. 250 at 1000 rate.

WHAT OTHER PEOPLE SAY ABOUT IT.

WILLIAM SCOTT, Buffalo, N. Y.—“I congratulate you upon securing the entire control of the distribution of the *Adiantum Croweanum*. On my frequent visits to my friend, Mr. Crowe, I have had an opportunity to observe this beautiful fern from the time when there were but a few hundred plants till last December, when I saw it occupying 20,000 sq. feet of glass. Its freedom of growth, length and beauty of fronds and its wonderful keeping qualities must quickly make it the only commercial Maidenhair Fern. From a very small plant you have in two or three months a splendid crop of fronds. There is no secret in its cultivation, but generous treatment. I feel sure you will find a widespread demand for this beautiful and distinct *Adiantum*.”

SAMUEL S. PENNOCK, Philadelphia, Pa.—“I consider your *Adiantum Croweanum* a very valuable acquisition to this line of ferns. It is an excellent commercial variety, good keeper, and has given the best satisfaction wherever we have sold it. Our customers much prefer paying an extra price for it than buying the commoner varieties. The great trouble we find is we cannot get enough to meet our customers' wants.”

JOHN I. RAYNOR, New York City, N. Y.—“During the two years in which I have had the sale of the fronds of *Adiantum Croweanum* in New York City, the demand has at all times far exceeded the quantity you have been able to supply me with, at \$1.50 per 100, while ordinary *Cuneatum* has been as a rule, in over supply at half that price. It is without question the best fern for cut fronds ever seen in this market.”

ALEXANDER MONTGOMERY, Natick, Mass.—“I am very pleased to hear that you have decided to put plants of your fern *Adiantum Croweanum* on the market. I have always been more or less interested in it, as I understand it originated from some plants of *Adiantum Cuneatum* that I sold you at the Waban Conservatories in the early eighties. I remember the circumstances very well, as I sold the balance of our stock to Robert Craig in 1890. Wishing you every success with it.”

C. F. TRUE, Honolulu, H. I.—“Your *Croweanum* sent on October 17th came to hand on 29th, ult., in very fair condition. Kindly send me full information in regard to it.”

WELCH BROS., Boston, Mass.—“We readily dispose of *Croweanum* for a much higher price than we receive for *Adiantum* of ordinary varieties shipped in by our growers.”

By far the best *Adiantum* that has been introduced to the Florists' Trade. Is a free grower, the darkest green of the *Adiantum* family and longest stemmed. It has also the most graceful foliage, the average length of the fronds measuring 30 inches. It is by far the best keeper. Cut fronds can be kept fresh several weeks in a cool place. It is also one of the best ferns for a dwelling house. I have given presents of this fern to several Utica friends, and from my own observation note it grows better than the Boston fern. I gave up rose cultivation some ten months ago in order to devote all my attention to fern cultivation for cut fronds. I find from the same amount of bench room this fern pays me \$1.50 to every \$1.00 obtained from the roses.—PETER CROWE.

Wm. F. Kasting, 383-387 Ellicott St., Buffalo, N. Y.

SOLE DISTRIBUTOR.

CHOICE GRAFTED

ROSES

On Extra Selected English Manetti Stock. Ready April 1st.

BRIDE, MAIDESMAID, GOLDEN GATE, IVORY, FRANZ DEEGAN, } 2½-inch pots.
 \$12 per 100;
 \$100 per 1000.
 \$18 per 100.

S. J. REUTER,
 WESTERLY, R. I.

Please mention the American Florist when writing.

American Beauty.

From bench, 1-year-old, cut back, \$10.00 per 100; \$90.00 per 1000. American Beauty, 2½-in. pots, \$5.00 per 100.

Bride, Bridesmaid, Golden Gate, } 2 x 2¾-inch pots, \$3.00 per 100;
 \$25.00 per 1000.
 For 1-me-nots, 2¾-inch, \$3.00 per 100.

RHOTEN BROS. & CO., Box 5, Danville, Ill.

Please mention the American Florist when writing.

Rose Plants

BRIDE and BRIDESMAID, from 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000; from carefully selected wood—worth the price.

L. B. CODDINGTON, Murray Hill, N. J.

Please mention the American Florist when writing.

Grafted Roses 20,000 Brides and Maids.

These are on imported manetti stock and rothing but healthy, flowering wood being used. Price, \$120 per 1000.

WM. A. LEONARD, Lansdown, Pa.

ROSES.

Nice 2-year old dormant plants of the following varieties: Yellow Rambler, Gardenia, Wichuriana, Universal Favorite, Manca's Triumph, Evergreen Gem and South Orange Perfection. 6c each; \$5.00 per 100.

IOWA SEED CO., DesMoines, Ia.

ROSES.

All kinds of Teas for the trade. American Beauties. Geraniums, red, white, pink and salmon. Boston, Pieroni, Asp. Plumosus, Sprenger's Ferns. Coleus, all kinds.

WRITE **GEO. A. KUHL,** Pekin, Ill.

ONE FARE FOR THE ROUND TRIP

Plus 25 cents, to Cleveland, O., and return, via Nickel Plate Road, May 16th, 17th and 18th. Tickets good going date of sale and returning to and including June 10th, by depositing same.

Three Through Daily Express Trains to Ft. Wayne, Cleveland, Erie, Buffalo, New York, Boston and New England points, carrying, vestibuled sleeping cars. Meals served in Nickel Plate dining-cars, on American Club Meal Plan, ranging in price from 35c to \$1.00, also service A la Carte. Chicago Depot: La Salle and Van Buren Streets. No excess fare charged on any train on the Nickel Plate Road. Chicago City Ticket Offices, 111 Adams St. and Auditorium Annex. Phone Central 2057.



American Beauties

Fine Stock from 2½-inch pots, \$5.00 per 100.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROTHERS, New Castle, Ind.

South Park Floral Company.

Cardinal New Roses Enchantress

Read Testimonials from two of the largest growers in Washington who have bought large number of plants after seeing them growing at my place.

Your new rose Cardinal came duly to hand, and we firmly believe it will have a great future and will certainly be a money-maker as it is in a class all to itself, being superior in form and habit to anything that we have as yet seen. Your new rose Enchantress we also think will be a great money-maker, judging from its profuse blooming quality, as we have seen it several times in mid-winter. It cannot help being a winner. Wishing you every success, we remain,

Yours truly, **A. GUDE & BRO.**

WASHINGTON, Feb. 27, 1904.

Dear Sir:—We gave all the show possible to Enchantress and Cardinal, placing them in our window with placards, telling what they were. They kept a week, retaining their brilliant color to the last. Cardinal was as full of perfume the day the petals dropped, as when it was first cut. The roses are both matchless, and we believe destined to out-class all roses of their color for forcing under-glass. Very sincerely yours,

AMERICAN ROSE CO., per B. D.

CARDINAL, 2½-inch pots.....	Per 100	ENCHANTRESS, 2½-inch pots.....	Per 100
" 3 -inch pots.....	\$30.00	" 3 -inch pots.....	\$30.00
	35.00		35.00

Not less than fifty sold at present. Cash with order. Stock limited.

JOHN COOK, 318 N. Charles Street, Baltimore, Md.

Please mention the American Florist when writing

GRAFTED ROSES On Dickson's Irish Manetti Stock.

Plants from 2½-inch pots, \$12.00 per 100; \$100.00 per 1000.

KAISERINS—(Now ready.) BRIDES and BRIDESMAIDS. Order now as stock is limited.

AMERICAN BEAUTY ROSES, own root, strong plants from 2½-inch pots, now ready. \$6.00 per 100; \$50.00 per 1000.

GARDENIAS. Strong plants from 2½-inch pots for growing on for winter blooming. \$6.00 per 100.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Come to Flatbush

AND BE CONVINCED THAT YOU ARE NOT GOING TO BE DISAPPOINTED IF YOU BUY

NEPHROLEPIS SCOTTII.

AWARDED S. A. F. O. H. Silver Medal at the Pennsylvania Horticultural Society's Spring Exhibition in Philadelphia, March 24, 1904. Awarded a Diploma by the American Institute, and also received the New York Florists' Club's Highest Award, "A Certificate of Merit."

Nephrolepis Scottii is without a doubt the finest Nephrolepis ever introduced, and is as far ahead of the Boston Fern as the Boston is ahead of all other introductions. It is a rapid grower and to see it in all stages of growth, from a runner in the bench to a 14-inch pot specimen, will convince you that it will positively take the place of its parent, the old Boston Fern.

Read what Messrs. Dreyer, Keller and Troy, recognized authorities on plants, say:

"THE ROSARY" FLOWER COMPANY,
24 East 34th Street, between Fifth and Madison
Avenues, New York, and Westbury, L. I.
Newport, R. I. Telephone connection.
New York, March 18, 1904.
MR. JOHN SCOTT, KEAP STREET GREENHOUSES,
Brooklyn, N. Y.

Dear Sir:—I like **Nephrolepis Scottii** very much and wish you would grow 100 specimen plants for me for next Fall delivery; you know about the quality of plants I handle.
Yours truly, (Signed) J. H. TROY.

WOODSIDE, N. Y., April 5, 1904.

MR. JOHN SCOTT,
Dear Sir:—Please accept my order for 1000 **Nephrolepis Scottii** at \$300.00 per 1000. I consider your fern as far ahead of the Boston fern as the Boston is ahead of all the recent introductions of Nephrolepis. It has a splendid habit and is a rapid grower and will, I am certain, prove itself a money maker for anyone that buys it.
Yours truly,
(Signed) HERMAN DREYER.

BROOKLYN, N. Y., April 11, 1904.

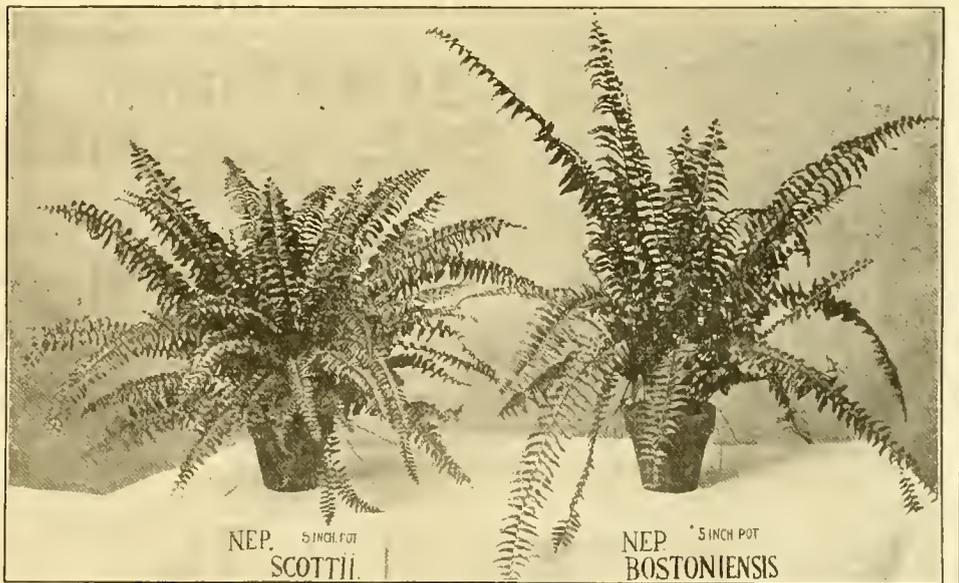
MR. JOHN SCOTT,
Dear Sir:—You have my order for your new **Nephrolepis Scottii**. I wish to say here, that I am very favorably impressed by your novelty. I admire its habit and style of growth and consider it the best Nephrolepis variety we have got so far. Yours very truly,
(Signed) J. M. KELLER.

I have decided to give buyers the option of taking either transplanted runners from the bench or 2 1/4-inch potted stock.

DELIVERY WILL BE MADE AS FOLLOWS.

Strong transplanted runners from the bench or 2 1/4-inch pots, delivery commencing June 1; all orders filled in rotation, at the following prices: \$4.00 per dozen; \$25.00 per 100; \$200.00 per 1000.

Strong 6-inch pot plants, ready May 1, \$2.00 each; 8-inch pans, \$3.50 each; 10-inch pans, \$5.00 each. Address



JOHN SCOTT,

Keap Street Greenhouses,

Brooklyn, N. Y. ||

BRANCH:
East 45th St.
and Rutland
Rd., Flatbush.

Telephone, 1207 Williamsburg.

Tarrytown, N. Y.

The regular monthly meeting of the Tarrytown Horticultural Society was held March 29 in the Vanderbilt building, Tarrytown, with President Jas. Ballantyne in the chair. The principal business was the altering of the schedule of prizes for the November exhibition and a few small classes were added to enable the small growers to compete. It was moved that a letter of thanks be tendered to the donors of the following special prizes for the fall exhibition: Silver cup for the best twelve Dr. Enguehard chrysanthemums, by the F. R. Pierson Company; \$25 for the best arranged table of foliage plants, \$15 for first prize and \$10 for second, by Mrs. H. Walter Webb, Scarborough; \$20 for the best twelve chrysanthemum blooms, distinct varieties, \$12 for first prize and \$8 for second, by John D. Archibald, Tarrytown; \$10 for best display of pompon chrysanthemums by Mr. Johnson, Tarrytown, and \$10 for best twelve chrysanthemum blooms, four varieties, three of each, \$6 for first prize and \$4 for second, by President Ballantyne.

A beautiful display of bulbous flowers was made at this meeting for which President Ballantyne was awarded Jas. Smith's prize of a pair of cuff buttons; Joseph Mooney of Hastings-on-Hudson was awarded a certificate of merit for an exceptionally fine display of Lilium Harrisii and D. MacFarlane received honorable mention for a vase of white Antirrhinum majus. H. Nicholls, of Yonkers, and C. Wilson, of Dobbs's Ferry, were the judges. A very lively discussion on the growing of bulbs followed.

At the April meeting President Ballantyne offers a fountain pen as a prize for the best two calceolaria plants. It was decided that after the April meeting the monthly prizes for the entire season shall be awarded for the best display of flowers cut from hardy shrubs. The members were pleased to see their very popular brother, Robt. Angus, with them again.

THOMAS A. LEE.

St. Paul.

Easter trade was the best on record according to all reports. Plant sales were much larger than ever and cut flowers just about the same as last year. Weather was quite favorable excepting Saturday morning, when the thermometer registered below freezing and had everybody badly scared. But everything turned out well and very few complaints were heard. As usual lilies were most in demand, closely followed by azaleas. Hydrangeas sold very well but they cause a good deal of trouble on account of being too soft.

Holm & Olson had their usual big display and were completely sold out of everything with flowers. Mr. Olson was under the weather most of the week but managed to get in at the finish.

L. L. May & Company had their usual fine display in their store and conservatory. They had their fountain all in electric lights and flowers.

Swanson Floral Company had a fine display of Crimson Ramblers, Azalea mollis, etc.

E. F. Lemke and Charlie Vogt report business as very satisfactory.

Miss Gertrude Distel, with L. L. May & Company for several years, is now with Holm & Olson.

Recent callers were Miss O'Sullivan, of W. Superior, Wis.; F. V. Kent, Grand Forks, C. S. Ford and C. W. Scott.

O.

Rooted Carnation Cuttings.

PINK		RED.	
Mrs. Lawson.....	100 1000 \$1.75 \$15.00	G. H. Crane.....	100 1000 \$2.00 \$18.00
Mrs. Nelson.....	2.00 18.00	America.....	2.00 18.00
Guardian Angel.....	1.00 8.00	Palmer.....	2.00 18.00
Dorothy.....	1.50 12.50		
Mrs. Joost.....	1.00 8.00		

WHITE.		ROOTED ROSE CUTTINGS.	
Flora Hill.....	1.00 8.00	Bridesmaid.....	100 1000 \$1.50 \$12.50
White Cloud.....	1.25 10.00	Bride.....	1.50 12.50
Queen Louise.....	1.25 12.00	Golden Gate.....	1.50 12.50
		Ivory.....	1.50 12.50

LIGHT PINK.		2-INCH ROSE PLANTS.	
Higinbotham.....	2.00 18.00	Bridesmaid.....	Per 100 1000 \$3.00 \$25.00
Prosperity.....	2.00 18.00	Bride, Perle.....	3.00 25.00
		Golden Gate, Ivory.....	2.50 20.00

If stock not satisfactory will refill or refund money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

CRISIS

The **BEST** commercial scarlet Carnation on the market for 1905. Early and continuous bloomer. Color, the richest scarlet; blooms, three inches and over, and never bursts; stems, 24 to 30 inches long and very

stiff. We court investigation.

PRICES: \$2.00 DOZEN; \$12.00 PER HUNDRED; \$100.00 PER THOUSAND; \$95.00 PER THOUSAND IN FIVE THOUSAND LOTS.

DAVIS BROS., Bloomsburg, Pa.—

BLOOMSBURG, PA., Mar. 18, 1904.

Gentlemen:—Please book my order for 5,000 of your new red carnation "Crisis." I have watched this carnation for the last three years and I believe it is the best red carnation in cultivation to-day. I sold several thousand blooms of this variety for you last year. It proved to be a good shipper and always gave satisfaction.

Yours very respectfully, J. L. DILLON.

DAVIS BROTHERS CO., Bloomsburg, Pa.

MME. CHATENAY.

A superb, pink rose, freer and stronger than Bridesmaid, easy to grow and an ideal shipper. Will cut 40% selects. See Chicago cut flower quotations. Chatenay is selling for more than any other tea rose. Supply limited. Cash with orders. Fine healthy stock, \$6.00 per 100; \$50.00 per 1000. Ready now.

EMIL GLAUBER, Montclair, Col.

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100; \$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Penn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimsons. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc., C. W. Ward, Manager. QUEENS, L. I.

Always mention the.....

American Florist

when you write to an advertiser.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000

Flamingo, fine scarlet.....	Per doz.	Per 100
Mrs. M. A. Patten, fine variegated....	3.00	12.00
Crusader, scarlet.....	2.00	10.00
Reliance, white.....	2.00	10.00
	—50 at 100 rate.—	

Harlowarden, best crimson.....	Per 100	1000
Governor Lowodes, finest white.....	6.00	50.00
Genevieve Lord.....	2.50	20.00
Mrs. E. A. Nelson.....	3.10	30.00
Norway.....	2.50	20.00

Prosperity.....	\$3.10	\$25.00	Estelle.....	\$3.10	\$25.00
Lorna.....	2.00		Mrs. R'velt.....	4.00	35.00
Sibyl.....	4.00	30.00	Fair Maid.....	2.00	25.00
Lillian Pond.....	4.00	35.00	Gov. Wolcott.....	4.00	35.00

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

Please mention the American Florist when writing.

For anything in Carnations

WRITE US.

Chicago Carnation Co.

JOLIET, ILL.

La DETROIT

Breitmeyers' New Rose

A SEEDLING OF TESTOUT AND BRIDESMAID.

To Be Disseminated April 1, 1904.

COLOR. Prevailing color a beautiful shell pink, shading in the center to a soft rose pink. The reverse of the outer petal is of a creamy flesh tint, shading to silvery toward the base, which may best be described as opalescent. The full open flower discloses a vivid richness of coloring, rare and fascinating. **FRAGRANCE.** Subtle, strongly tea-scented; reminds one of old Bon Silene. **FORM.** Large cup-shaped, heavy petal, shell-like in formation. **GROWTH.** Strong and healthy, with a rich, glossy foliage, rampant and vigorous, with a strong tendency to long shoots; very prolific.

—ALL ORDERS BOOKED FILLED IN ROTATION BEGINNING APRIL 1.—

For "Own Rooted" Plants from 2 1-2 inch pots.

1 Plant, each.....\$.75	100 Plants and over and less than 1,000, each.....\$.25
12 Plants, each......60	1,000 Plants and over, each..... .20
25 Plants, each......50	3-inch pot plants, 5c each additional.
50 Plants and over and less than 100, each......30	PRICES OF GRAFTED STOCK GIVEN ON APPLICATION.

JOHN BREITMEYER'S SONS,

Gratiot and Miami Aves., DETROIT, MICH.

SELLING AGENTS:
ERNST ASMUS & SON,
A. ROLKER & SONS,

MICHIGAN CUT FLOWER EXCHANGE,
VAUGHAN'S SEED STORE,
S. S. SKIDELSKY,

J. AUSTIN SHAW,
CLUCAS & BODDINGTON CO.

100,000 Grafted Rose Plants

We are now grafting on Manetti the above amount on all selected flowering wood. No Blind wood used at all. We offer for sale ready for delivery April 1st.

BRIDE AND BRIDESMAID, \$12.00 per 100; \$100.00 per 1000.
LIBERTY, \$15.00 per 100.

It you wish to grow better grade roses, give grafted stock a trial.

ROOTED CUTTINGS. The Very Best Commercial Varieties.

All of our cuttings are selected carefully and we try to see how good we can make them, not how cheap.

ROSES ROOTED CUTTINGS, Brides, Bridesmaids and Gates, \$1.50 per 100. Kaiserin and Perle, \$2.50 per 100.
CHATENAY ROSE PLANTS, 2½-inch pots, \$6.00 per 100; \$50.00 per 1000. Ready March 1.

CARNATIONS ROOTED CUTTINGS

WHITE.		PINK.		RED.	
Per 100	Per 1000	Per 100	Per 1000	Per 100	Per 1000
Lillian Pond.....	\$3.50 \$30.00	Lawson.....	\$2.50 \$20.00	Red Bradt.....	\$2.50 \$20.00
Gov. Wolcott.....	3 50 30.00	Morning Glory.....	2.50 20.00	Crane.....	2.50 20.00
White Bradt.....	2.50 20.00	Floriana.....	2.50 20.00	America.....	2.50 20.00
White Cloud.....	2.50 20.00	Enchantress.....	6.00 50.00	VARIEGATED.	
Norway.....	2.50 20.00	Joost.....	2.50 21.00	Prosperity.....	2.50 20.00
				Mrs. Bradt.....	2 50 20.00

Yellow—Gold Nugget, \$2.50 per 100; \$20.00 per 1000. **Maroon**—Maceo, \$2.50 per 100; \$20.00 per 1000. Orders aggregating 250 or more will be billed at the 1000 rate. No order for less than 50 of one variety accepted. All cuttings and plants shipped from Hinsdale.

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

Providence

Conditions after Easter may be defined as moderately busy, not that enough has been doing to use up an increasing surplus of carnations and roses, but that the trade has been able to keep the usual force at work on regular orders. Carnations are better than ever at \$1.25 to \$2 per 100, but are in full crop and cannot clean out from day to day; in fact the street fakirs have begun operations and one of our florists recently advertised a "slaughter" in order to empty his ice box. Roses pile up at \$1 to \$6 per 100, being fine and full of substance, some very long stemmed stock selling at the latter figure. Violets are almost gone, although still finding a satisfactory demand. Very little bulbous stock is being offered, and sweet peas are about the only odd flower to be had.

T. J. Johnston's new flower box is a mammoth among the pigmies, holding about double the former capacity and making an elegant show as one comes in the store.

The Florists' Club holds a flower exhibit this Thursday, April 14, and we expect to chronicle a success in next week's number.

Frank Sullivan, of Westminster street, made one of the neatest Easter displays seen, his show front being a mass of choice colors.

W. B. Hazard is able to be out and attend to store duties once again.

M. M.

Cincinnati.

Trade the last week has been very poor, and accordingly we are having a heavy glut of flowers. It is a pretty hard matter to tell where it will end, for the immense amount of flowers received every day and very little doing in the selling line is certainly discouraging to both grower and dealer. About the only demand seems to be for smilax and spring flowers, such as marguerites, violets, lily of the valley, sweet peas and single daffodils. Undoubtedly the cool weather had considerable to do with the slump in business.

At the Eden park greenhouses there are 260,000 growing bedding plants that will be ready to be transplanted to the parks the middle of May. Geraniums, cannas, salvias and coleus are in the majority, and Park Superintendent Critchell says the flowers will be finer in appearance than any spring plants that have ever been set out in the parks.

Smith & Young of Indianapolis are still sending violets to this market, which for this time of year are remarkably fine.

A. O.

ANDERSON, IND.—Charlie Kline has sold his greenhouse near Alexandria to Thomas Mulvary for \$2,200.

FIRST-CLASS STOCK.

Satisfaction Guaranteed. I ship orders the same day received at special express rates.

Begonia Veraon, red, white, pink and mixed. Verbenia Mammoth. Lobelia Erecta and Trailing. Petunia, single, finest fringed. German Ivy. Ageratium, Blue Perfection. English Ivy. Salvia Splendens and Bonfire. Mme. Sallerol bedding and Ivy Geraniums in variety. Coleus Verschaffeltii, yellow, red, gilt-edged and faocy mixed. All fine strong, 2 and 2½-inch, \$1.75 per 100, \$16.00 per 1000. Geraniums, Poitevine, Dhl. Grant, Nutt, Buchner, Castellaine, le Soliel and Canas. French, dark red and yellow. All strong 4-inch, in bud and bloom, \$5.00 per 100; \$15.00 per 1000; mixed, \$1.00. Mme. Sallerol, Ivy, Rose and Bedding Geraniums, French Canas, red, yellow and mixed, Heliotrope, Salvia Splendens and Bonfire. All fine strong, 3-inch, \$3.00 per 100; \$25.00 per 1000. Cash please. Dracaena Indivisa, strong, 5-inch, \$2.00 per doz.

WM. S. HERZOG, Morris Plains, N. J.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES. ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

	Cuttings 2-in. pot		Cuttings 2-in. pot	
	per 100	plts 100	per 100	plts 100
WHITE.			YELLOW.	
Timothy Eaton.....	\$2.00	\$3.00	Golden Wedding.....	1.50 2.50
Chadwick.....	2.00	3.00	Golden Beauty.....	1.50 2.50
White Bonnaffon.....	1.50	2.50	October Sunshine.....	1.50 2.50
Wanamaker.....	1.50	2.50	Col. Appleton.....	1.50 2.50
Geo. S. Kalb.....	1.50	2.50	Yellow Bonnaffon.....	1.50 2.50
Estelle.....	1.50	2.50		
Robinson.....	1.50	2.50	PINK.	
Ivory.....	1.50	2.50	Mrs. Murdoch.....	1.50 2.50
Merry Xmas.....	1.50	2.50	Vivian-Morel.....	1.50 2.50
			Mme. Perrin.....	1.50 2.50
			Pacific.....	1.50 2.50

ROSE PLANTS.

In 2½-inch pots.	Per 100		In 2½-inch pots.	Per 100	
	1000	25.00		1000	25.00
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.

51-53 Wabash Avenue, CHICAGO.

Asparagus, Carnations, Roses, Etc.

ASPARAGUS PLUMOSUS, Seedlings from flats at \$2.00 per 100.

ASPARAGUS SPRENGERI, \$2.50 per 100; 3-inch pots, \$3.50 per 100.

KENTIA BELMOREANA, strong bushy, 3-inch pot plants, \$12.00 per 100; 4-inch pot plants, 15 inches high, \$30.00 per 100.

COCOS WEDDELIANA, 3-inch pots, 10 inches high, \$15.00 per 100.

CARNATIONS.

Strong pot plants from selected cuttings. Per 100
 Mrs. Lawson.....\$3.00
 Queen Louise.....2.50
 White Cloud.....2.50
 Flora Hill.....2.50

CARNATIONS.—Continued.

Per 100
 Dorothy.....3.00
 Gov. Roosevelt.....3.00
 Mrs. Higinbotham.....3.50
 Prosperity.....3.50

LEMON, American Wonder, \$3.00 per 100.

OTAHEITE ORANGE, \$3.00 per 100.

MOONFLOWER (Ipomea Grandiflora), \$3.00 per 100.

Headquarters for best stock of Dormant Hybrid Perpetual, Moss, Crimson Rambler and Tree or Standard Roses.

Rhododendrons, Azalea Mollis, Clematis and a full line of Hardy Shrubs, Vines and Plants.

—Catalogues and price lists free.—

THE STORRS & HARRISON COMPANY,

Painesville, Ohio.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, METEOR, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

50,000 Well Rooted Carnations.

Cuttings now ready. Enchantress, \$6.00 per 100. Harlowarden, \$5.00 per 100. Lawsoo and Crane, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. **ROSES,** Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

\$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

ROSE PLANTS.

STRONG STOCK
from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. **\$20.00 per 100; \$150.00 per 1000.**

	Per 100	1000
AMERICAN BEAUTY.....	\$5.00	\$50.00
MME. CHATEWAY.....	6.00	50.00
SUNRISE.....	5.00	40.00
KAISERIN.....	3.10	25.00
LIBERTY.....	5.00	40.00

	Per 100	1000
MAID.....	\$3.00	\$25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

	Per 100	1000
PINK.		
MRS. LAWSON.....	\$1.50	\$12.50
MRS. E. A. NELSON.....	2.00	18.00
GUARDIAN ANGEL.....	1.25	10.00
MRS. HIGINBOTHAM.....	2.00	15.00
SYBIL.....	3.00	25.00
McKINLEY.....	3.00	25.00
JOOST.....	1.25	10.00
RED.		
ESTELLE.....	2.50	20.00
MRS. INE.....	1.25	10.00
CHICAGO (Red Bradt).....	2.00	15.00
HARLOWARDEN.....	3.00	25.00
ROOSEVELT.....	3.00	25.00

	Per 100	1000
WHITE.		
MURPHY'S WHITE.....	\$3.00	25.00
FLORA HILL.....	1.25	10.00
WHITE CLOUD.....	1.25	10.00
PERU.....	1.25	10.00
QUEEN LOUISE.....	1.25	10.00
NORWAY.....	1.25	10.00
MARION.....	1.25	10.00
GOV. LOWNDES.....	3.00	25.00
VARIEGATED.		
MRS. BRADT.....	2.00	15.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Stock Plants, Rooted Cuttings and Plants in Small Pots.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2.82 Park Ave. David S. Beach, Prop.

STRONG, CLEAN AND HEALTHY

CARNATIONS.

FROM 2 1-4-INCH POTS.

	Pink	Per 100	1000	White.	Per 100	1000
Joost.....	\$2.00	\$18.00		Flora Hill.....	\$2.00	\$18.00
Marquis.....	2.00	18.00		Innocence.....	2.50	
Dorothy.....	2.50			Glacier.....	2.25	20.00
Scarlet.....				Her Majesty.....	4.00	
Crane.....	2.50	22.50		Variegated. Prosperity.....	2.00	18.00

CASH.

**The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.**

Please mention the American Florist when writing.

Carnations.

From 2-inch pots. Very fine, well branched.

	Per 100	1000
THE QUEEN.....	\$6.00	\$50.00
LILLIAN POND.....	4.00	35.00
PRES. McKINLEY.....	4.00	

LARCHMONT NURSERIES

Larchmont, N. Y.

Please mention the American Florist when writing.

National Florists' Board of Trade,

Office: 56 Pine Street, New York

Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. **Special Reports.** We make a specialty of this part of our work. **Collections.** We collect slow and doubtful accounts. Why not go through your books at once, and send us all the claims that are in arrears?
Please mention the American Florist when writing.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

**The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.**

Please mention the American Florist when writing

VESPER

Finest white Carnation on Market this year; flowers 3 in. to 3 1/2 in., fine stem, free bloomer, good keeper and shipper, \$1.50 per doz.; \$10.00 per 100; \$75.00 per 1000. 250 at 1000 rate. Rooted Cuttings ready now. Also the following standard varieties:

	Per 100	Per 1000	Per 100	Per 1000
Adonis.....	\$7.00	\$60.00	Lawson.....	\$2.50
Enchantress.....	6.00		Queen Louise.....	2.50
McKinley.....	4.00	30.00	Mrs. Bradt.....	2.50
Estelle.....	4.00	30.00	Flora Hill.....	2.00
Nelson.....	3.50	30.00	Mrs. Joost.....	1.50

CASH. NO C. O. D.

Wm. C. SMITH, 61st & Market Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

Loomis Floral Co.,

CARNATIONS,

Loomis, Cal.

Rooted Carnation Cuttings

	Per 100
Enchantress.....	\$5.00
Queen.....	4.00
Fair Maid.....	2.50
Lawson.....	2.50

H. F. LITTLEFIELD, WORCESTER, MASS.

Albany, N. Y.

A bill has been introduced into the state legislature to permit the Municipal Improvement commission of Troy to expend the sum of \$150,000 on improving the park system of that city, and to complete the work already undertaken. The bill will undoubtedly pass. Engineer Garnet D. Baltimore, who has the work in charge at the new Prospect park, has prepared plans for the expenditure of \$100,000 of the amount to be used upon the western slope of the park which will be graded and embellished with numerous landscape features. The remaining \$50,000 will be expended in the construction of a boulevard to connect Prospect park with the water-works park at Oakwood several miles to the north.

H. G. Eyres will to-day fill the order for the floral decorations at the Sanford-Keeler wedding. The color scheme is pink and white. The drawing room and library of the residence of the bride's parents will be decorated with lilies and Bride roses; American Beauty roses, azaleas, palms and smilax will be used to decorate the dining room.

Arthur Cowee, the well known gladioli specialist of Berlin, has received a consignment of lumber to be used this summer to construct a third bulb storage house. The new building will be larger than the two others, the dimensions being 40x100 feet, three stories and basement.

W. C. King had the decoration for the Dole-Reynolds wedding on Tuesday. Hundreds of daffodils were used in the drawing and reception rooms. The staircase was trimmed with southern smilax tied with bows of yellow ribbon. Maiden hair ferns were used in large quantity to bank the mantels.

LAFAYETTE, COL.—F. A. Haenselman, landscape architect and florist, formerly of 517 Thirty-first street, Denver, Col., is now located in this city.

WANTED.

Japan Lilies of all kinds. State quantity, sizes and price.

James Vick's Sons
ROCHESTER, N. Y.

SUMMER FLOWERING CARNATIONS

Well established plants from soil: Vulcan, red; Mrs. Fisher, white, \$2.00 per 100. Carnation plants from soil, strong: Enchantress, \$6.00 per 100; Prosperity, \$3.00 per 100.

The following at \$2.00 per 100: Queen Louise, Flora Hill, Lawson, Wm. Scott, Joost, Crocker, Harlowarden.

Chrysanthemums, young plants from soil; all the best standard varieties, \$1.50 per 100.

C. EISELE, 11th and Jefferson Sts., Philadelphia.

NOW READY

COLEUS

Rooted Cuttings.

VERSCHAFFELTII, GOLDEN QUEEN and FIREBRAND. By express 60c per 100; \$5.00 per 1000. At purchaser's risk by registered mail, 75c per 100.

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CROMWELL, CONN.

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IF YOU ARE SHORT FOR YOUR FIELD PLANTING WE HAVE THE FOLLOWING CARNATIONS, EXTRA FINE, STRONG STOCK FOR PLANTING IN THE FIELD. Order Before They Are Gone.

Crusader, 2-inch pots	Per 100	\$8 00	Morning Glory, sand	Per 100	\$2.00
Cressbrook, soil	2.50		Mrs. Joost, soil	1.50	
Enchantress, soil	6.00		Mrs. A. E. Nelson, soil	3.00	
Estelle, soil	3.00		Mrs. Potter Palmer, soil	2.50	
Fragrance, 2-inch pots	5.00		Mrs. Theo. Roosevelt, soil	4.00	
Genevieve Lord, soil	1.50		Mrs. Patten, 2-inch pots	10.00	
Gov. Lowndes, soil	4.00		Norway, soil	1.50	
Gov. Roosevelt, soil	3.00		Pres. McKinley, soil	3.00	
Gov. Wolcott, soil	3.00		Prosperity, soil	2.00	
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Lady Bountiful, soil	12.00		The Belle, soil	10.00	
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Duke of Marlborough	2.00		Pennsylvania	5.00	
David Harum	6.00		Red Indian	5.00	
			Secretaire Chabanne	2.00	

CHRYSANTHEMUM PLANTS 2 1/4-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow.
Timothy Eaton, mammoth white.
Major Bonnafon, yellow.
Mrs. Perrin, pink.
May Foster, white, fine for pot plants.

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			Amorito—Bright satin pink, finely incurved	4.00	

ROSES. Clothilde Soupert and Hermosa, 2-inch, at 3c; 2 1/2-inch, at 4c; 3-inch, at 6c; 4-inch, at 10c.

New Century, grand new rose, 4-inch, per dozen

Bedding Roses, in large quantity fine stock from 2 1/4-inch pots, per 100

H. P. Roses, dormant 2-year old, per 100, \$11.00

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Magna Charta Ulrich Brunner
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John K. Shaw, early bright pink.
Yellow Mrs. Jerome Jones, bright lemon yellow.
Ivory, early white.
Miss Agnes L. Dalskov, early pink.

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Columbia—Pink, lighter than Morel	Per 100	8.00
Mrs. J. J. Mitchell—Clear cream color.	4.00	
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HARDY PHLOX, 25 named kinds, 2-inch pot plants from cuttings, make better plants than divided roots and bloom freely all summer. Per 100

HYDRANCEA PANICULATA GRANDIFLORA, 3 feet, each

HYDRANCEA OTAKSA, strong 2 1/4-inch pots, per dozen

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Twenty others - Send for list and end of the season prices.

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Per 100	1000	Per 100	1000
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Portia	1.20 9.00	Joost	1.20 9.00
Lorea	1.50 12.00	Flora Hill	1.50 10.00
W. Cloud	1.50 12.50	Mrs. Palmer	1.50 12.50
Q. Louise	1.50 12.50	Mrs. L. toe	1.50 10.00

ROSE CUTTINGS.

Choice well-rooted stock. Per 100	1000
Bridesmaid	\$1.25 \$12.00
Bride	1.25 \$12.00
Mme. Chateau	3.50 30.00
American Beauty	3.00 22.50
Golden Gate	1.25 12.00

ROSE PLANTS.

Strong stock in 2 1/4-in. pots. Per 100	1000
Bridesmaid	\$2.75 \$22.50
Bride	2.75 22.50
Golden Gate	2.50 20.00
Bride, 3 inch, extra choice	5.00 40.00
Bridesmaid, 3-inch, extra choice	5.00 40.00
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- Ceraniums**—Good plants. \$4.00
- Strong plants, bud and bloom. 6.00
- Heliotrops** of sorts, good stock. 4.00
- Coleus**—Rooted Cuttings, 75c per 100; Plants 2.50
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Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/2 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price \$50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

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Jamaica P. O., Woodhaven Station.

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SMILAX, VIOLETS.

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VIAUD. POITEVINE. LE SOLIEL.
CASTELLANE.

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6-inch, well done, 5 to 6 leaves, 32 to 46 inches high, \$1.00, \$1.50 each; \$90.00, \$110.00 per 100. 7-inch, \$1.50, \$2.00 each; \$120.00, \$150.00 per 100.

Kentia Belmoreana.

Done perfect, 6 to 8 leaves, same price as above.

Boston Ferns.

5 inch \$20.00 per 100
6-inch 45c each; 40.00 per 100
7-inch 75c to \$1.00 each
8-inch \$1.50 to \$2.00 each
9-inch \$3.00 to \$5.00 each
Fine well pot-bound **ARECAS**, 1 to 5 in a pot.
5-inch, 45c each; \$38.00 per 100. 6-inch, 70c each; \$60.00 per 100.

Get a sample order. We are going out of wholesale business in June. 1,200 running feet of 25-foot wide Modern Greenhouses cost \$20,000 for \$3,000. 1 year time to remove; no rent. 3 houses are planted with 7,000 Boston Ferns which can be bought with houses for little. The ferns will pay for the house by August. Come and see us at once before you buy.

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PRICES: 2 1/2-inch, \$3.50; 3-inch, \$8.00; 4-inch, \$15.00; 5-inch, \$25.00 per 100; 6-inch, 40c; 7-inch, 60c; 8-inch, 75c each.

PIERSONI FERNS, 2 1/2-inch, \$8.00 per 100; 4-inch, 35c each; 5-inch 50c each. **ALTERNANTHERA**, red and yellow, strong rooted cuttings, 50c per 100; \$4.00 per 10.0. Special price on large quantities.

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Morrison, Ill. — and — Geneva, Ill.

GERANIUMS | Coleus

Per 100
10 var., 2-in. pots, \$2.50; 2 1/2-inch \$3.00
10 var., 3 in. pots 4.00
Alternantheras, red and yellow, April 15. 2.00
Seedling Potunias, May 1st. 3.00
Asp. Plumosus Nanus Seeds per 1000, \$4.50; 1.00

Per 100
10 varieties, 2-inch pots \$2.00
Vinca Var. Vines, 2-inch pots 2.50
50 Boston Ferns, 5-in. pots. 25c each
E. Croker and P. Hill, 2-inch pots 2.00
Asparagus Sprengeri, April 15. 2.00

Cash or C. O. D. **JOS. H. CUNNINGHAM,** Delaware, O.

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NEW BOOK BY ELMER D. SMITH.

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Table listing Piersoni fern varieties: 6-inch each, 50c; 3 1/2-inch each, 15c.

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4-inch, \$8.00 per 100; 3 1/2-inch, \$6.50; 3-inch, \$5; 2 1/2-inch, \$3.50 in the following varieties: Red, S. A. Nutt, Pasteur, Le Soliel and Trego. White, La Favorite and Mme. Carnot. Pink, Jean Viaud, Salmon, E. G. Hill. Write for discounts on 100 lots.

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Full plants, \$25.00 to \$50.00 per 100. 10 pots 25c to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. Asp. Sprengeri, 4-inch, \$6.00 per 100. Dracaena Indivisa, 3-inch, strong, \$8.00 per 100. Kentias, Flcus, Coleus, R. C., red, yellow and black, \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000; 60c per 100.

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Pers. Spl. Cigenleum. Finest strain in the world in four true colors (separate) twice transplanted from flats, \$3.00 per 100; \$25.00 per 1000. Extra fine plants from 2 1/2-inch pots, \$5.00 per 100; \$45.00 per 1000. Satisfaction guaranteed.

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Extra large field-grown plants. They are the Kind That Sell. Per 100, \$2.00; per 1000, \$20.00.

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Red and Yellow from 2-in. pots at \$1.50 per 100. Rooted Cuttings 50c per 100; \$4.00 per 1000; in lots of 5,000 or over \$3.50 per 1000.

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Our grafted roses are fine, bushy plants and grown in 3 and 3 1/2-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. Send for Catalogue.

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2 1-2-inch stock in fine shape at \$3.00 per hundred.

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Palms and Ferns

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GROWER OF Areca Lutescens Kentia Belmoreana Kentia Forsteriana

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Table listing cheap palm and asparagus prices: Lalania Bor., 2-in. pot, seed leaves, 3.00; 3-in. pot, 15-18 in., 2-3 chr. lvs., 12.00; 5-in. pot, 18-20 in., 3-4 chr. lvs., 15.00; 5-in. pot, 20-24 in., 4 chr. lvs., 20.00. Kentia Bel., 2 1/2-in. pot, 8-10 in., 2-3 leaves, 12.00; 2 1/2-in. pot, 15-18 in., 3-4 leaves, 15.00; 3-in. pot, 15-18 in., 4-5 leaves, 18.00; 3-in. pot, 18-24 in., 5-6 leaves, 20.00. Asparagus Sprengeri, 2-inch, \$8.00; 3-inch, 3.00. Asparagus Plumosus, from flats, 1.75; 2-inch, 2.50; 3-inch, 4.00.

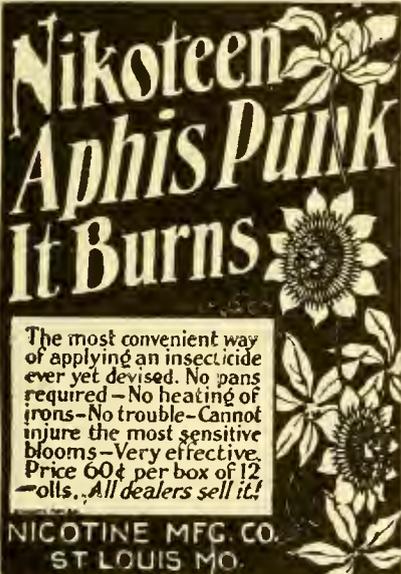
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No bugs
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It Burns**

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By play that's strong and steady,
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For that's the stuff that's ready.



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TRADE MARK.

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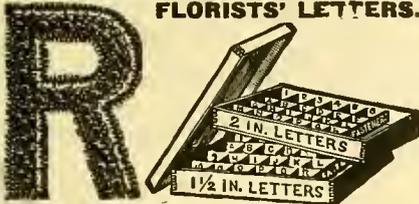
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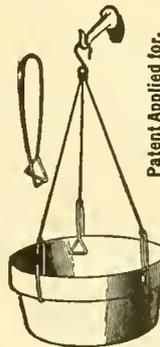
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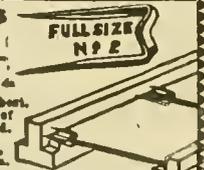
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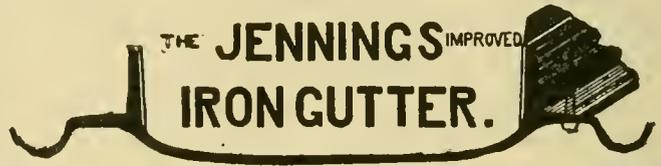
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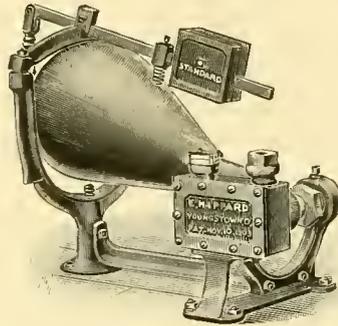
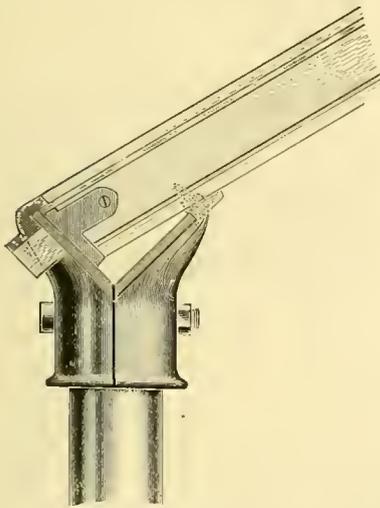
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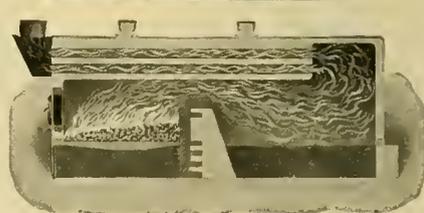
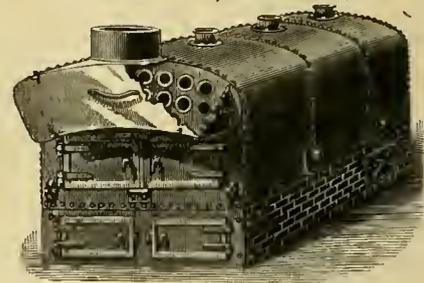
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THE AMERICAN FLORIST



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

Vol. XXII.

CHICAGO AND NEW YORK, APRIL 23, 1904.

No. 829.

THE AMERICAN FLORIST

NINETEENTH YEAR.

Copyright 1904, by American Florist Company
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 42 W. 28th St., New York.

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Subscriptions accepted only from the trade.

Volumes half-yearly from August, 1901.

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Annual convention and exhibition, November,
1904. FRED H. LEMON, Richmond, Ind., secretary.

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THE CARNATION.

Indoor Carnation Culture.

[Read by Peter Fisher, of Ellis, Mass., before the
Gardeners' and Florists' Club, Boston, Mass.,
April 20, 1904.]



I have been asked to speak to you to-night on the carnation. It would be a waste of time to attempt a lengthy review on the progress made in the development and improvement of this popular flower during recent years, as it is no doubt fresh in your minds. As compared with five or six years ago the carnation of to-day looms up like a "new creation," scarcely recognizable as a descendant from the family from which it evolved, strong and vigorous, of mammoth proportions, in beautiful and varied shades of color, and the end is not yet. With this change in general characteristics has also come a change in modes of culture. Where a few years ago it was considered the proper time to house carnations from the field in September, we find them being planted in July and the latter part of August is now considered late. Experiments have also been made in "exclusive indoor culture" and this method is what I want to say a few words upon to-night.

The first requisite to successful indoor culture is properly constructed carnation houses, large and airy, with ample ventilation on both sides of ridge and on the sides. The latter must be used judiciously—by that I mean opened on cool or cloudy days or during the night, but closed when a hot, dry wind is blowing and vegetation out of doors is wilting. If opened on such a day or succession of days, red spider is sure to cause trouble. A very convenient type of house with which I have been experimenting is of the following dimensions: Length, 300 feet; width, 33 feet; height to ridge, 15 feet; height of sides, 5 feet, 3 feet being glass, with side ventilators and ample ventilation at the ridge. Last season we built a house of this size with detached roof ventilators. This season we have nearly completed one of similar size with continuous ventilation on both sides of the ridge, using 30-inch glass. My purpose is to test the merits of both systems. Another 300-foot house has continuous top ventilation but without any on the sides. In this I have grown with excellent results some of our latest varieties.

My intention is to plant directly from pots into the three different styles of houses and carefully note the results.

The advantages of indoor culture are: Perfect control of conditions necessary for the successful culture of the plants. They are not subject to the extremes of a dry or wet season or often extremes of both, which invariably cause stem rot. You save the time and labor of one planting and do not check the plants when doing so as is the case when lifted from the field, which process has always seemed to me as unnatural and gives some varieties a check from which it takes weeks to recover. The larger the plants the more they are affected. Indoor grown plants give a steadier supply of blooms, are not so liable to crop and are usually of better form and quality and invariably give a longer stem. Again there are no doubt disadvantages to this method, especially with the average florist who needs his flowers during the early summer months and who cannot afford to throw them out in order to plant into the benches before the young stock gets pot-bound. If properly arranged, however, there are few who cannot spare at least one house for trial, and where a grower has from 20,000 to 40,000 feet of glass or more, and besides carnations grows chrysanthemums or or other quickly developing crops, a little forethought will always arrange sufficient space so as to be available when time for planting comes around. The time for propagating the cuttings to be used for all bench culture will depend upon the varieties and time when space is available. Slow growing or late blooming sorts ought to be propagated early in any case, but where they are of free and easy growth they may be rooted any time from January to April as required, first potting them into a 2-inch to 2½-inch pot according to strength of cutting, and repotting until required for benches. Great care should be exercised never to let them get stunted or pot-bound; a 3½-inch pot ought to be about the limit in which to have them growing at planting time, as larger sizes take up too much valuable space.

Planting can be done with excellent results any time from February to July. I prefer May or June, the distance between the plants being governed by the variety and season when propagated. Strong growing sorts planted before May will require 9x12 to 9x15 inches, weaker sorts or later propagations correspondingly less, but in no case should free growing sorts be planted closer than

8x12 inches. This insures a better circulation of air around the plants during summer and light during winter, which means better stems and quality of blooms, with few, if any, of second quality. I prefer benches four feet wide to those five feet or more, as the plants get a much better circulation of air. An extra path in the house is not waste space, as you always get more and better stems and blooms along the sides of the benches. Care should be exercised not to over-water the plants as the carnation thrives best in a moderately moist soil and excess of moisture will cause the soil to become sour. Always damp down the paths and under the benches freely during the hot or sunny days. Fumigate regularly every week for green fly and syringe every ten days with salt water (two ounces to a common pail) for red spider.

No doubt some of the objections to this in-door culture will be some of the following: Attacks of red spider or green fly. Over-watering and souring the soil. Yet we have just those same conditions to contend with in the field where it is often very difficult to subdue the insects, and we have no power over the excess of moisture, usually accompanied by severe attacks of rust on varieties so inclined. While under glass we can keep those evils under control. The worst condition with which we have to contend is excessive heat, yet I doubt if the plants suffer as much from this, providing proper ventilation and atmospheric moisture is maintained, as they do in the field when a dry, hot wind causes them to wilt.

Anything really worth having in this world costs something, and we usually pay the full price. This is well, as we are more apt to appreciate it when once obtained. To produce and put upon the market a new carnation often costs far more than the average grower thinks, in time, patience and hard cash, before being tested and its cultural requirements understood. How often have we heard of some originator (on the eve of reaping his hard earned reward) losing almost his entire stock of some promising new variety in the field, as the result of an unfavorable season, either too wet or too dry. I have come to the conclusion that it does not pay to run this risk and to my mind indoor culture is the solution. It will be adopted gradually no doubt but I venture to predict that five years from now few carnations will be grown in the field.

There never was a time when a better all around grade of carnation blooms were put on the market, never a time when we growers had less excuse for failing to produce them. With improved varieties to work upon and modern facilities at hand for their successful cultivation, it clearly becomes a duty not only to ourselves professionally, but to the flower loving and consuming public, to place our product on the market in the best possible condition and to insure their continued popularity and lasting qualities. Flowers have passed the stage of mere luxuries; they have become a daily necessity and amongst them the carnation is not last, nor least.

ITHACA, MICH.—David Kleinhans, for several years proprietor of the Ithaca greenhouses, has sold them to F. W. Brooke, who will take charge about June 15. Messrs. Kleinhans and Mason will begin the erection of the Kleinhans & Mason greenhouses at Cadillac as soon as the weather will permit.

Merits of Iron Gutters.



Geo. M. Garland.

In your issue of April 2 we note an article commenting on gutters for greenhouse construction and as this article presents the question from an individual point of view it would seem to us fair to present it from a more general standpoint. The gentleman admits that the gutters are the most important part of the house and that he finds a difference of opinion on the subject but that iron gutters are growing in favor. He states that those using iron gutters base their argument on durability while "the man with the wooden gutter" argues cheapness of construction. From this it appears to us that the statement that the gutter is the principal part of the house, is the strongest reason that durability, which implies strength and solidity, should be more desirable than cheap-



The Late George Huster.

(See obituary, page 557.)

ness and should score a large point. The point raised that wooden gutters will last as long as the rest of the house indicates that wooden gutters are a temporary form of construction and as the iron gutters are practically indestructible it would appear wiser to provide a gutter that will not deteriorate with the house but will add to its strength and solidity and prevent decay instead of assisting it. The bars do not rot as quickly next to iron as next to wood and the iron gutter is just as good for further use when rebuilding becomes necessary.

Answering the question of the care of gutters, we find the advantage to be decidedly with the iron gutter. With no care at all, it preserves itself. It rusts, which closes the pores of the iron and prevents corrosion. While the painting of iron gutters improves their appearance it is not a yearly necessity. Those who have used cast iron heating pipes know they are as good to-day as when put in. This is not so of steel, witness the corrosion of steel pipe. The article states that an item of more importance than first cost or durability is the immediate removal of snow to prevent inter-

ference with the admission of sunlight. It is claimed the iron gutter takes heat from the house but admitted that heat can be supplied artificially but sunlight cannot. As the iron gutter house immediately removes the snow it receives more sunlight, which is heat. So the argument of lost heat is disproven. The excess of radiation of heat through an iron gutter over a wooden gutter is imperceptible by actual test in a greenhouse and is more than compensated for by the immediate removal of snow.

The point that different conditions in different localities require different construction is well taken but the majority of the growers are not so fortunately located that snow was piled on their greenhouses but three or four days during the winter just past. The article compares two large places in Chicago, side by side, one of which not only builds new ranges with iron gutters but tears down old ranges in order to rebuild with them, while at the other place, which has never tried iron gutters, wooden gutters are claimed to be not only cheapest but the best. This would seem to be a question of individual opinion, but the success which has attended the large user of iron gutters has not only placed him in the lead as the largest grower in the world but has enabled him to become an alderman in the great city of Chicago. The article states that everything at this place is in first class shape, therefore we conclude the writer of the article shows his approval of the judgement of the large user of iron gutters. We conclude our letter with the exact wording of the statement made by the above large grower: "I can get 8,480 square feet more bench space in a range of sixteen houses 27x265 feet by using iron gutters and it costs no more to heat it. I can use one-third less posts and I expect the extra space gained to almost repay the cost of building in one season." The above statement speaks for itself.

GEO. M. GARLAND.

A Model Greenhouse.

The carnation house shown in the accompanying illustration is one of four erected for Robt. Craig & Son some time ago, the plans and most of the material having been furnished by Lord & Burnham Company. It is a typical modern iron-constructed house. The houses are built in pairs with an iron gutter between each two houses and open space between the pairs. The eave-plates are of angle iron and the sash-bar construction is supported entirely by angle iron purlins and pipe columns. A cast-iron fitting at the top of the pipe column receives the angle iron and secures it to the column with set screws or bolts. The fitting at the base is a heavy clamp socket made adjustable so that by unscrewing the bolts the column may be easily raised at any time to counteract any settling that may have taken place. The sides of the houses are constructed with angle iron posts, the bases of which are set on heavy cast-iron foot pieces extending 2 feet 6 inches underground. Lord & Burnham's self-oiling ventilating machines are used throughout.

BATAVIA, N. Y.—To make room for improvements in the shops, the Erie railroad's greenhouses at Avon, which for twenty-one years have supplied plants and flowers for the stations along its western New York lines, are to be torn down, and presumably the station yards will hereafter be unadorned.



ROBT. CRAIG & SON'S LORD & BURNHAM CARNATION HOUSE AT PHILADELPHIA, PA.

Recent Greenhouse Construction.

[By Lyman B. Craw, of the Lord & Burnham Company. Presented before the Chicago Florists' Club, February 3, 1904.]



I have sent you photographs and drawings of houses, some recently constructed and some in course of erection which show that the tendency of the growers in the east is toward both longer and wider houses. Some of

those who put up long, narrow houses about two years ago, last season went in for houses of equal length and about double the width, as in the case of the house 40x700 erected for the Waban Conservatories last year. Those who have tried the wide houses are unanimous in the opinion that they are superior to the narrower houses in that the temperature is much more easy to control in the wider houses, either in warm or cold weather, and it is more convenient to work in. In our experience they have been more economical to erect, as a given area of ground can be covered with one wide house for less expense than with several small houses, either built together or separately. The larger house is also more economical to heat.

It is a self evident fact that there is far less framing required for the larger house, in proportion to the ground covered, than for several smaller houses covering the same space; consequently the larger house admits a much larger percentage of light in proportion to the area. We have erected a number of ranges of what are sometimes called short span houses, in the past few

months. The cast iron drip gutter which we have used in all our short span work is cast in stock lengths of eight feet, four and one-half inches and requires the posts to be set one under each joint, which brings them eight feet, four and one-half inches from center to center of post. The gutter is a heavy casting so it will carry this distance. We furnish brackets for this gutter so it can be supported either by wood posts, iron pipe posts or iron bar posts, or by two pipe posts forming an arch over a walk.

A house 53x700 which we have now in course of construction, in the vicinity of New York city, is designed to be used either for carnations or roses. The glass in the roof will be 16x24, laid the 24-inch way. The heating will be done by steam with the boiler room placed at one end of the house. The wide houses which we have built have been constructed with our usual iron frame, with light wooden capping and our patent angle iron plate and sockets used at the eaves with bars laid in sockets. So far there has been no complaint of the loosening of glass by expansion and contraction or from vibration and there has not been a larger percentage of glass broken than in narrow houses. We understand there has been no more glass broken at one point than another in our wide houses. I beg to thank the Chicago Florists' Club and yourself for this opportunity to address your club, and am sorry it is impossible to accept your invitation to have a representative present at your meeting.

GRAND RAPIDS, MICH.—Eli Cross will soon begin the construction of a greenhouse costing \$1,000.

Patent Metal Greenhouse Frame.



Harry Simpson, patented by Harry Simpson, of Edgely, Pa., is shown in the accompanying diagrams. (Page 553).

Fig. 1 is a transverse section through a gutter and the glass of a greenhouse roof, the bar and the glass-retaining clamps being shown in elevation. Fig. 2 is a transverse section through one of the bars and a glass-retaining clamp with the glass held thereby, and showing in elevation a hanger connected to the bar and by means of which the drip-trough is suspended. Fig. 3 is an enlarged side elevation of a portion of a rail and hanger and retaining-clamp, the overlapping portions of two sheets of glass being shown in section. Fig. 4 is a detail perspective view of the retaining-clamp. Fig. 5 is a perspective view showing the lower end portion of one of the bars of the frame, illustrating the manner in which the flanges are cut away, also the manner in which each flange is notched to accommodate a sister hook.

Referring now to the drawings, there is shown the portion of the roof of a greenhouse comprising a gutter 5, the sides of which are bent to form seats 6, beyond which said sides are bent downwardly and then outwardly and upwardly to

form the troughs 7, extending longitudinally of the side edges of the gutter. At the central portion of the gutter 5 and on the under side thereof is a vertical collar 8, which is threaded for engagement with the threaded upper end of the usual post, it being understood that the threads may be omitted, if desired.

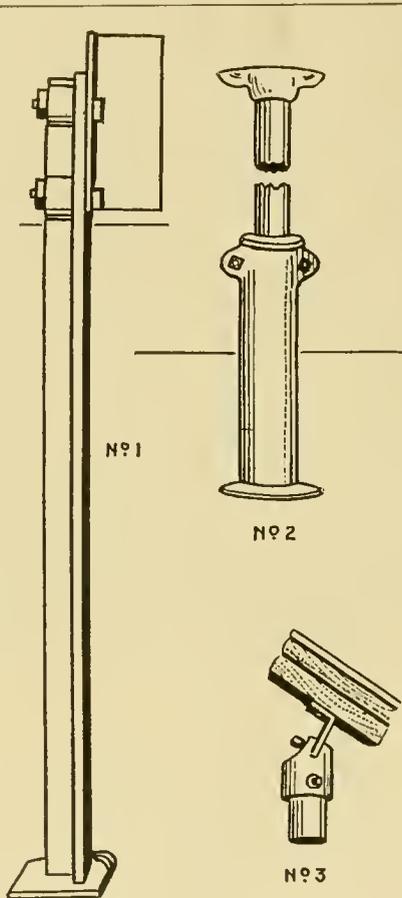
In connection with the gutter 5 there are employed bars 9, each consisting of a vertical web having flanges 10 and 11 at its lower edge and at opposite sides, these flanges diverging upwardly and forming between them and the web of the rail channels 12 and 13, which are designed to receive putty. The lower ends of the bars 9 have their flanged lower edges cutaway, and the resultant shoulders 14 are disposed upon the seats 6, while the adjacent ends of the flanged portions rest upon the inner sides of the troughs 7.

To further support the troughs 7 hangers are employed in the form of sister hooks 15 and 16, which are engaged over the flanges 10 and 11, which are notched at such points of engagement, so that said sister hooks may lie flush with the upper edges of the flanges at the sides of the hooks. The sister hooks are bolted against the inner sides of the troughs 7 by means of the bolts 17, as illustrated.

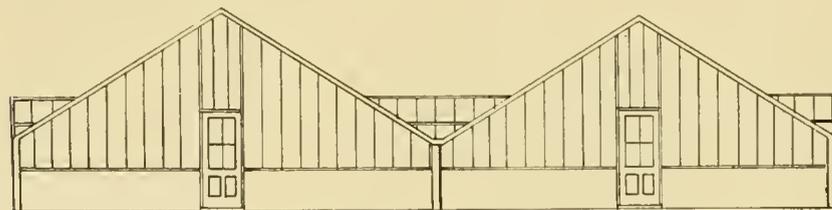
The plates or sheets of glass 18 are disposed upon the putty that is filled in the channels 12 and 13, the edges of the adjacent sheets or plates being overlapped, as illustrated. To hold the plates snugly down against the putty, so as to prevent leakage between the plates and the rails, retaining-clamps are employed. Each of the retaining-clamps consists of a U-shaped plate, which is disposed over the bar, to which it is held by means of a set-screw 19, the lower ends of the spaced members of the U-shaped plate being notched or stepped, as shown at 20, so that they may rest upon both plates of glass where they overlap, and thus hold them securely in place. With this construction it will be seen that the water that falls upon the roof will drain between the bars and over the glass to the gutter 5, and that any drip from the bars and glass will run down and finally be caught in the troughs 7. With this arrangement, moreover, there is employed

only metal and glass, while the parts are held with security and rigidity.

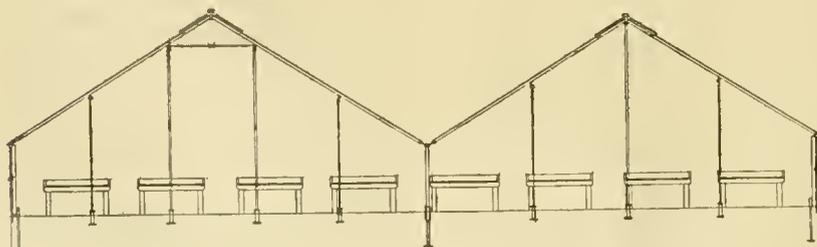
It will be understood that drip-troughs may be suspended by means of the hangers wherever desired, it being understood that in practice modifications of the specific construction shown may be made within the scope of the claims, and that any suitable materials and proportions may be used for the various parts without departing from the spirit of the invention.



Craig's Carnation House Supports.



END ELEVATION OF CRAIG & SON'S NEW CARNATION HOUSES.



SECTION OF CRAIG & SON'S NEW CARNATION HOUSES.

Coal.

[Delivered by Prof. H. Hasselbring, of the University of Chicago, before the Chicago Florists' Club, April 20, 1901.]



To enable us to understand the differences in the various kinds of coal it will be necessary to discuss briefly the origin of this mineral fuel, and the principal changes which occurred in its formation.

All coal is of vegetable origin. It consists principally of sunken compressed peat bogs. During the carboniferous era the area now occupied by coal fields formed an arm of the sea which once occupied all the territory now known as the Mississippi valley. On the shores of this sea was a vegetation of great luxuriance consisting of plants resembling gigantic rushes, clubmosses and selaginellas. This rich growth crept out over the water, forming enormous areas of matted floating vegetation very much like our present floating peat bogs. These masses were gradually pressed down by the new growth above and occasionally large masses probably sunk bodily.

In addition to this there was a continual deposition of particles sinking from the under side of the mass. All this formed a soft black ooze or mud such as we find underlying our present peat bogs. At the same time rivers carrying down silt or fine clay from the Appalachian and Rocky mountains gradually covered the mass of vegetation and pushed the shore line further and further into the sea, all the time the vegetation of course creeping on ahead of the silt deposit. In this way the whole area was finally filled in so that now the Gulf of Mexico is all that is left of a sea that once covered the entire central part of the American continent.

Now we come to the chemical and physical changes which take place in vegetable matter decaying in the absence of oxygen or under water. We have at the present time a continuous chain showing the formation of coal from the vegetable ooze in our peat swamps to the hardest anthracite. In fact the process of coal formation is going on at present in nearly all parts of the world just as it did in the carboniferous era. When wood or vegetable matter decays in the absence of air it undergoes a gradual change by which the gases are eliminated and the relative carbon content becomes greater and greater. The first stages of this decomposition occur under water in the dead submerged portions of the coal-forming vegetation. The product is known as peat which is the first step in the transition from vegetable matter to anthracite or graphite.

When the mass becomes buried under a deposition of silt it is subjected to enormous pressure. This, together with further decomposition, gives lignite, bituminous coal, anthracite, and if heated during the process the mass is changed into graphite, which is practically pure carbon. These processes have all been observed experimentally. Not infrequently wood supports in old coal mines shut off from the air have been completely transformed into lignite, and peat has been artificially changed into anthracite by applying to it enormous pressure under superheated water.

The following table shows the changes which occur when vegetable matter is transformed to coal. The percentages refer to samples free from water:

	Carbon.	Hydrogen.	Oxygen and nitrogen.	Ash.
Wood.....	50.00	6.00	44.00	not given
Peat.....	54.02	5.21	30.48	10.29
Lignite.....	66.31	5.63	23.43	4.63
Bituminous coal....	78.69	6.00	12.44	2.87
Anthracite.....	90.39	3.28	3.81	2.52

It is clear that the percentage of carbon increases enormously as we pass from peat to hard coal, while the gaseous portions are gradually driven off. They appear mostly as water, marsh gas or fire damp, and carbonic acid gas. The percentage of ash is greatly influenced by foreign admixtures while the coal is being formed.

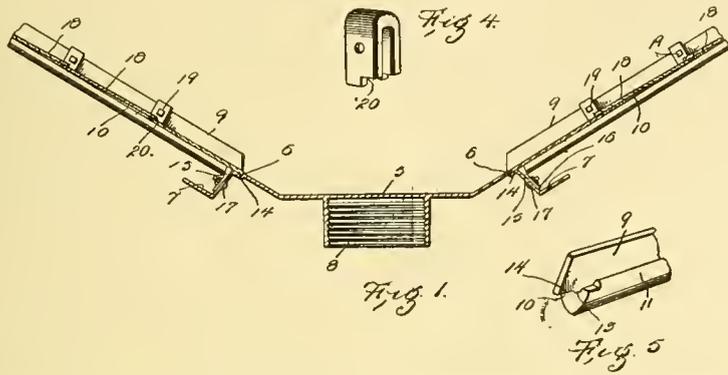
or, in other words, is burned to iron oxide. Both pyrite itself and iron oxide act as powerful fluxes. The presence of iron oxide reduces the point at which the ash melts and runs together into the hard glassy mass adhering firmly to the grate bars. The inconvenience caused by these clinkers and the loss of heat due to shutting off the draft need not be emphasized to any one who has handled the fire himself. Their formation is dependent upon the presence of iron oxide and this again is derived from pyrite, a compound of sulphur and iron. Coal which contains no iron will be practically free from sulphur and will not clinker. Coal with much iron forms red or brown ash. The color of the ash be-

the amounts of iron and sulphur contained in coal. This explains also why the clinker is more colored than the rest of the ash.

Let us turn to the factors influencing the heat-giving power of coals. An elementary analysis teaches us little as to the calorific value of coal, but by means of a proximate analysis we can class the different elementary ingredients into groups which are of great commercial importance because the heat values of coals depend on these factors. A proximate analysis consists merely of subjecting a sample of coal to a succession of different temperatures and successive weighings. The portions thus determined are water, volatile matter, fixed carbon and ash. These may best be taken up in this order.

Water.—All coal contains a greater or less amount of water. Since this cannot be further oxidized it must be evaporated. It therefore causes loss in two ways, by adding to the weight of the coal and by taking up heat required to evaporate it. None of this heat is available for the generation of steam. It is clear, therefore, other things being equal, a coal of low moisture content is more efficient than one of high moisture content.

Volatile Matter.—Volatile matter contains all the gaseous and bituminous portions of coal which can be driven off at a high heat without actually burning the coal. All that remains after the volatile matter is driven off is classed as fixed carbon and ash. The volatile matter not only makes up a large percentage of the weight of coal, but also contains the elements which, weight for weight, give by far the greatest amount of heat. Unfortunately with present appliances it is practically impossible to utilize all of this heat. A large part of the volatile portion of coal is driven up through the



DETAILS OF HARRY SIMPSON'S NEW GREENHOUSE FRAME.—See page 551.

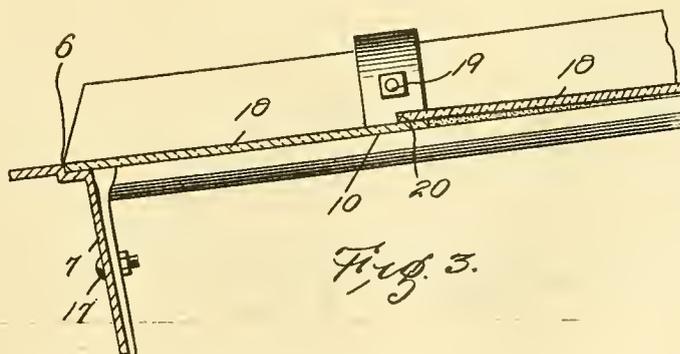
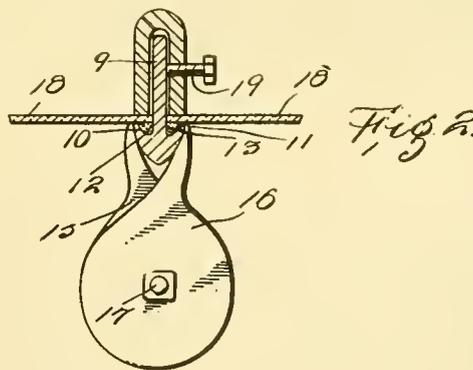
During the process of formation several foreign ingredients find their way into the coal. These are admixtures probably derived from spring water and from seawater, to whose influence the coal was subjected. We will deal here only with two of these deleterious ingredients, sulphur and iron. Sulphur is by far the most injurious substance present in coal, and the presence of iron is important because of its direct action and also because it is a practical indicator of the amount of sulphur present in coal, practically all the sulphur being combined with iron as iron sulphide or pyrite.

Sulphur.—Sulphur is the most objectionable deleterious ingredient of coal. Coal having a high percentage of sulphur should always be avoided. As has been stated, sulphur exists almost entirely as iron pyrite and iron sulphide. It can be seen often as glistening, brassy coatings on the natural surface of the coal where it has parted in the mine. Although these coatings are conspicuous the quantity of sulphur thus introduced does not compare with the amount introduced in the thin grayish lines which extend parallel to the layers of coal.

When pyrite is heated the sulphur is driven off as sulphur dioxide. This is objectionable because in the presence of moisture it forms sulphuric acid which rapidly corrodes the flues and boiler plates. The moisture may come from the moisture contained in the coal and air and often from steam escaping from the boiler itself. In greenhouse boilers this is especially apt to occur on account of the intermittent firing, which allows plenty of moisture to collect in the flues. Investigations of boiler explosions have shown that in many cases the cause was directly traceable to flues and plates corroded by sulphuric acid.

Iron.—When the sulphur is driven off from pyrite or iron sulphide the iron is left behind. This combines with oxygen,

comes lighter as the amount of iron decreases. White-ash coals contain no iron, therefore no sulphur, and do not clinker under ordinary conditions. We see then that in the color of the ash we have at once an indicator showing relatively



DETAILS OF HARRY SIMPSON'S NEW GREENHOUSE FRAME.—See page 551.

chimney as smoke or some, partially burned, is left in the flues as soot. In order to utilize this great amount of wasted fuel several forms of smokeless furnaces have been devised, but these have not been generally successful.

It is a good plan in firing to pile the new charge near the furnace door and allow the gases to distill off before spreading the coal over the fire. By this method, with plenty of draft, a portion of the gases can be burned.

Fixed Carbon.—For steaming purposes, the greatest value of a coal lies in the amount of fixed carbon it contains, for this is burned completely and gives no smoke. The heat developed from a pound of fixed carbon is only about one-third as great as that developed by burning an equal amount of smoke (volatile matter) yet the heat from the fixed carbon is practically all used in generating steam. On this account the proportion of fixed carbon furnishes the best basis for comparing the efficiency of bituminous coals for purposes of generating steam.

Ash.—Ash is what is left after coal is completely burned. It is usually considered merely a diluent, namely, a certain amount of material which furnishes no heat, but which must be paid for with the coal. The presence of iron in the ash and its effect has already been discussed. Some sulphur also appears in the ash and when present, especially in melted clinkers, it seriously damages the grate bars. In general, other things being equal, coal with a low percentage of ash gives greater heating power than one of high ash content. Low ash content is therefore a factor in favor of coal.

In the tables which follow, the proximate analysis of coals from various states are given. These figures, taken into consideration with what has just been said, will enable the reader to form an estimate of the value of coal. Calorific values were accessible in some cases, but a word must be said in explanation of these. The terms calorie and British thermal unit mean but little to the reader and the value of a coal will be judged by the size of the numbers. However, it should be borne in mind that the calorim-

eter test gives a heating value far above any obtainable in actual practice. In the first place it is based on a sample of dry coal. In the furnace a portion of heat is lost in evaporating water from the coal. Further, all the heat given off in the combustion of a given quantity of coal is measured. This, of course, includes the heat of the volatile portion which is lost in the furnace, and the heat caused by the burning of sulphur whose heat value is more than counterbalanced by its injurious effects. A test of the actual evaporating powers of coals under the boiler would be far more intelligible, but these have been made only in comparatively few cases.

Composition and fuel value of coal:
(A British thermal unit is the amount of heat required to raise one pound of water one degree Fahrenheit. To change one pound of water already at the boiling point [212° F.] into steam at the same temperature requires 965 B. T. U. The calorie is the metric unit; 1 calorie = 1.8 B. T. U.)

Illinois.	Fixed Carbon.	Vol. Com. Matter.	Water.	Sulphur.	Ash.	Calories.	B. T. U.
Bl'm'gton.	45.2	36.4	4.1	Not Det.	14.7	7223	13,010
Centralia.	45.5	34.0	8.3	"	8.0	7227	13,548
Danville.	45.4	43.7	4.8	"	6.2	7990	14,382
"	46.4	37.1	5.6	"	10.9	7446	13,403
Du Quoin.	53.7	32.0	6.8	"	7.4	7775	13,995
Peoria.	49.21	36.13	3.22	"	11.44	7402	13,323
Odis.	50.9	34.0	6.1	"	9.1	7637	13,747
La Salle.	44.0	39.4	8.2	"	8.4	7774	13,991
Ohio.							
Hocking Valley (mine run)	49.54	31.14	6.65	1.67	9.67	7762	13,972
Mahoning	50.95	35.00	3.15	1.86	10.90	8182	14,578
W. Va.							
P'e'h'ntas	74.52	18.10	0.73	0.60	6.65	87.51	15,739

Evaporating power of coals by boiler test at Lansing, Mich. Run twelve hours, feed water 110° F. Pressure ninety-five pounds. Pounds of water evaporated per pound of coal are given:

Coal—Massillon (mine run)	6.971, light clinkers, smoke medium.
Hocking lump (mine run)	6.634, no clinkers, light smoke.
Hocking Valley (mine run)	6.689, no clinkers, smoke medium.
Hocking Valley, pea.	5.864, clinkers and smoke heavy.
Saginaw	6.274, clinkers and smoke medium.
Corruna	5.633, clinkers and smoke bad.

Heating power and composition of some Michigan coals from geological survey of Michigan:

Michigan.	Fixed Carbon.	Vol. Com. Matter.	Water.	Ash.	Sulphur.	B. T. U.
P. Marquette No. 1.	53.95	33.59	10.15	2.76	1.10	14,164
Standard Saginaw.	53.80	33.59	10.67	1.94	1.01	14,405
Somers No. 1st. Chas.	52.58	34.74	7.79	4.89	1.01	13,920
Owosso.	52.96	35.70	7.58	3.76	1.50	14,083
Sebewaing.	46.06	39.54	6.09	8.26	5.72	13,656
1. New Hope Jacks'n.	45.28	46.73	5.58	2.41	2.83	14,371

Analysis of Iowa coals. Calorific power not given:

Angus Mine	41.41	38.83	8.62	8.64	2.67
Dalby Mine (Middle seam)	47.93	44.21	2.13	5.73	3.82
American Mine	45.29	45.43	5.16	4.13	3.71

In general the sulphur content of Iowa coal is rather high.

Peat is coming to be used as a fuel in this country. In a fresh state it contains a large amount of water, which is gotten rid of by drying and compression. The fuel value of peat will depend on its moisture content and state of compression. It has the advantage that it is free from sulphur and burns to a fine white ash. It is found in the market in the form of briquettes which approach anthracite coal in character. Calorific power of kiln dried peat is about 10,150 of air dried peat 7,650 B. T. U.

In closing, a few other facts about coal might be mentioned. The coal most useful for steam making is bituminous or soft coal. This is divided into three classes, caking or cementing coal, non-caking coal and cannel coal. Caking coal runs together and agglutinates on the grate. This should be frequently broken up to allow full passage of air. The non-caking or open burning coals do not agglutinate and therefore burn more readily. Cannel coal is a very bituminous variety.

Slack is a sort of bi-product of the mine representing an inferior coal mixed with much foreign material. Seams of shale known as "slate" to the miner usually run through the coal seams in the mine. These are from one-half of an inch to several feet in thickness. Much of this material, as well as the roof shale, finds its way into the bank cars and is separated as slack. Shale from slack is found in the ash resembling pieces of slate. Seams of fire clay and iron pyrite variously designated as "bone coal," "black jack," etc., are also found in coal beds, and much of this material finds its way into the slack, both lowering its heating power and adding injurious agents.

Greenhouse Building.

Rochester, N. Y.—Highland Park, propagating house 12x100; plant house 22x100; work room 16x100.

Eastern Point, Conn.—Plant estate, palm house and two plant houses.

Winnipeg, Canada.—Elmwood Nursery, propagating houses.

Ellis, Mass.—Peter Fisher, carnation house, 33x300 feet.

Pittsburg, Pa.—Western Penitentiary, conservatory.

New Britain, Conn.—Thomas E. Bennett, one house 40x160.

Newtonville, Mass.—Wm. J. Adams, two houses.

Jamesville, N. Y.—Theodore M. Miller, one house.

Belfast, Me.—W. E. Hamilton, range of houses.

Westport, Conn.—S. B. Fillow, one house.

Avon, Mass.—Louis Stone, one house.

Carmi, Ill.—C. W. McGhee, one house.



THE HOME OF THE SCOTT FERN.
(Just previous to Easter.)

THE RETAIL TRADE

Pointers for the Suburban Florist.

Make a memorandum to remind your customers next fall of how pretty the spring crocuses look blooming in bright clusters of orange, white and purple, through the grass in little scattered colonies. Before lawn mowing time they are all through and so they neither interfere with nor disfigure the velvety green characteristic of the ideal lawn.

The little English daisy, Burns' "Wee, modest, crimson-tipped flower," is easily acclimatized in the garden or lawn in all but the most extreme northern portions of the United States. The plants set out in spring settle down comfortably and after a few seasons will have scattered their progeny freely by means of the seed. The single-flowered with their bright yellow centers are the prettiest and are exceedingly attractive in the lawn and as their blooming time is about over by the time clipping is due no objection can be urged against them. Tell about these things to your customers who have gardens and lawns and you will sell a few thousand crocus bulbs and daisy plants and perhaps get the job of planting them.

Twombly Wedding Decorations.

The Twombly wedding in New York city on April 12, was one of the prettiest as to floral decoration seen in many years. The ceremony was at St. Thomas' church and this splendid edifice, also the residence of the bride's parents, were decorated in a superb manner by Thorley. The church was made a bewildering spectacle of gorgeous color by the unstinted use of flowering plants. Across the entire width of the church in front of the chancel, with the exception of the center aisle stretched a great terrace of azaleas, daisies, lilies, genistas, lilacs and rhododendrons. The pulpit was filled with immense plants of genista and festooned with garlands of Bride roses. Against the columns on either side were Crimson Rambler roses and the pew ends were adorned with huge clusters of roses on each side of the main aisle. Palms in abundance were used for background effect. At the house one room was decorated entirely in yellow, the components being genistas and Azalea mollis. Another room was done with bougainvilleas exclusively. Mirrors, doorways and chandeliers were profusely garlanded with asparagus. The bride's bouquet was of white orchids and lily of the valley and the maids carried bunches of long stemmed American Beauty roses.

Cattleya Schroderae.

The accompanying illustration shows a well-grown plant of Cattleya Schroderae cultivated in a mixture of Belgian leaf-mould and American peat. All the root action is confined to the pot, and the result is a vigorous constitution and a five-flowered spike (an unusual number). They are well developed and of excellent shape. This mixture evidently is a great success, and it will be interesting to watch the future progress of the plants; the small addition of peat is a great advantage in this country where water is used indiscriminately at times; the compost is porous, and very little drainage is necessary. At this season this beautiful cattleya is seen in every prominent New York florist's store. It does not produce a combination of colors so striking as in *C. Trianae* or *C.*



CATTELEYA SCHRODERÆ.

(A florists' cattleya.)

labiata, but it has excellent form and a pleasing fragrance that is rarely found in cattleyas grown for the market. One of the finest collections of this plant is at Hackensack, N. J., where C. Moore and his very able gardener, E. Knight, are enjoying one of the most superb displays of blossom seen in this country and from whom the photograph produced was obtained. White varieties of this species appear more frequently than in other cattleyas, but one rarely meets with a variety with deep magenta coloring in the labellum. A plant of the latter has recently appeared among an importation received last year. No manure in any form is given to plants in this collection.

A. DIMMOCK.

New York.

Bleak winds and spiteful little snow storms have effectually finished the career of the period of stagnation in the cut flower trade that followed close upon Easter. Thus far there has been little to remind one of spring in the atmosphere blowing through the 28th street section. On Wednesday, April 20, there arrived in the midst of a vicious snow squall, the

first consignment of southern lilacs. Carl Jurgens of Newport, who, with Mrs. Jurgens, has just returned from a trip to Virginia and is stopping here for a few days on the homeward journey, tells with enthusiasm of the apple blossoms and buttercups blooming in the south land and we are wondering whether New York is to see anything of the kind ever again. But it is to be recorded that the commission men in this neighborhood are showing no solicitude in that direction and so long as it makes the Bridesmaids solid in body, lively in color and quick to sell, they are satisfied that it should snow every day for the next six months. Business is surely better on all sides and the troubles of last week are no longer troubling. Even Johnnie Weir who fattens on the surplus and grows haggard under the stress of lively market conditions is on the street with two vans, as these lines are being penned, buying material to fittingly adorn four weddings at which he is to officiate in the city of churches and baby carriages. And Mrs. Champion from New Haven, suave, shrewd and business-like, is equally in evidence, snapping up the good things which even the Broadway and Fifth

avenue rajahs cannot touch when she puts in an appearance. Ghormley's special cage, dedicated to the protection of Beauty and Liberty against ruthless handling, across the threshold of which neither Jew, Greek nor gentile may pass, was in a state of siege on Tuesday morning and even the violets which for several days had been forsaken and friendless have come to the front again as an object of deep interest. Many of the lilies coming in are a sight for the gods. Such weazened and bedraggled rags have never before been seen even here in this market where every imaginable grade gravitates. They tell the story of unwise haste and wasted fuel in the struggle to force them into bloom for Easter and their consequent ruin and emphasize the great need of their growers for an immediate addition to their scanty store of common sense.

Lilies, carnations and roses have all stiffened in price during the past few days. Lily of the valley is not moving as rapidly as it should, but daffodils, of which the supply is much reduced, are selling better than for some time past. Brunner roses are in special demand and of specially good quality as a rule. Sweet peas are excellent and bring fair rates. Among the newer receipts are the yellow centaureas, of which a limited number are seen, antirrhinums and crested moss roses. Pansies are scarce as compared with other seasons. Trailing arbutus is in fair supply, the fern men being the main handlers of this pretty article.

A disagreement between grower and Greek resulted in a badly bruised face last Monday morning at the Cut Flower Exchange. This market ought to have an officer on duty every morning to see that the people are properly protected and steps are being taken to that effect.

The mayor of Seabright has been seeing the bright side of the New York wholesale district under the expert guidance of Frank McMahon.

Charles Schaeffer, of Woodside, L. I., is marketing a large quantity of Empress narcissi, fancy tulips and other bulbous stock.

George Vocke has sold his greenhouses and land. The greenhouses will be torn down and the land devoted to building lots.

At the last meeting of the Florists' Club J. Austin Shaw's paper on the Easter business was thoroughly enjoyed.

Victor Zuber, of Bayside, L. I., is sending in first class Ulrich Brunner roses to the New York market.

The directors of the New York Cut Flower Co. held their regular meeting on April 19.

J. K. Allen has been laid up with a severe cold for a week.

Friday.—Joseph J. Featherstone, dealer at Eighth avenue and Twenty-third street, died last night.

The eastern office of the AMERICAN FLORIST is now at 42 W. Twenty-eighth street.

Chicago.

Toward the end of last week matters began to stiffen up perceptibly on the market and an improvement was noted in both qualities and prices secured for high grade goods. The weather again turned to nearly freezing and this shortened the daily receipts sufficiently to induce high prices in almost all lines. Carnations especially were affected in point of price, and from \$1.50 for common stock the quotations are running from \$2 to \$3. There is no shortage,

however, the demand just keeping the receipts well in hand and making auction room prices unnecessary. The rose market continues fairly steady, not much of a change over the period since Easter. Everything, except probably long Beauty, is in good supply. Easter lilies are standing around in a great surfeit and the prices are ruling accordingly low. Much of the bulbous stock which has been holding an impregnable position as a glut for many weeks, is rapidly waning and tulips are now few and far between. Some violets are yet being received but all are shaky and they will soon be entirely out of the market. Ferns and smilax do not show any improvement in point of supply, the former holding the stiff price of \$3.50 and \$4 per 1,000. Shipping trade is more gratifying than the local retail business which steadfastly refuses to become enthused with life ever since the winter holiday period.

The regular meeting of the Florists' Club was held April 20 with a fair attendance. A committee was appointed to secure, if possible, a repeal of the city ordinance prohibiting the use of flowers at school commencements. Prof. H. Hasselbring, of the Chicago University, presented a paper on "Coal" and made some interesting experiments to emphasize his remarks. The paper will be found elsewhere in this issue. The Chicago Carnation Company exhibited some fine blooms of Fiancee and the Cardinal carnations. Fiancee was remarkably fine and appears to improve with the warmer weather. The excellent display of this variety is all the more remarkable when it is remembered that it has been steadily exhibited in good condition since early fall. Cardinal also was in excellent condition and its rich color and fine size and form impressed those present very favorably. The committee on bowling announced that a meeting will be held at Geroux's alleys, 170 Madison street, next Tuesday evening at 7:45, to consider ways and means in the matter of the national tournament at St. Louis, next August. All interested in the welfare of our bowlers, and every member of the club is certainly interested, should make a strong effort to attend on this occasion. The meeting will be followed by bowling.

University of Chicago students will walk to classes hereafter between rows of fragrant blossoms and beneath the shade of ornamental foliage plants, for the Midway campus is to be turned into a garden of beauty. Arbor day saw the first improvements on the grounds, when part of an \$8,000 lot of plants and trees were planted.

Peter Reinberg, as has been his custom every year since he started in the business, will this year rebuild several of his houses. One entire range, running along Robey street, containing fifteen houses, will be rebuilt and equipped with iron gutters.

The employes of the Chicago Carnation Company, of Joliet, Ill., gave a party and dance on the evening of April 13 at the home of Mr. and Mrs. Erick Erickson. Music and dancing were features and a lunch was served at a late hour. About sixty guests were present.

John Mangel, of Wabash avenue and Monroe street, has filed a petition for divorce from his wife, Anna R. Mangel, on the grounds of cruelty. Mrs. Mangel is now in Grand Rapids, Mich.

On April 15 Frank Garland and Michael Winandy took possession of their new store room on the second floor of the Atlas block.

The George Wittbold Company has opened a retail store on Dempster street, Evanston. On the same street Fred Fischer has opened a branch of his Ridge avenue place.

Basset & Washburn are cutting fine Kaiserin and President Carnot roses at the present time. They are particularly notable for their long stem and magnificent flower.

John Mangel is extending his store at the corner of Wabash avenue and Monroe street. He has leased part of the floor on the ground floor of the building above him.

P. J. Hauswirth was a St. Louis visitor last week. He attended the meeting of the St. Louis Florists' Club on Thursday evening.

The News, of Wilmington, Del., gives Peter Reinberg's political methods an extended and highly eulogistic editorial notice.

Bird and Arbor day in Illinois was celebrated on April 22 in a quiet way by the public schools and outdoor art societies.

The Joliet Improvement Association has appointed James Hartshorne as manager of the exhibition to be held next fall.

T. D. Mosconesotes will open a branch flower store May 1 at the corner of State and Division streets.

D. B. and O. S. Honaker, of Lexington, Ky., spent several days this week with the Chicago trade.

A. L. Randall spent part of the week at his place at Benton Harbor.

J. C. Craig, of Wabash avenue, left this week for California.

Mrs. Arnold Ringier is seriously ill with pneumonia.

Philadelphia.

Business the last week has been fairly active, but the volume of trade could be much larger before there would be a scarcity of flowers. Beauty roses are getting more plentiful with prices receding. Bridesmaid are very fine. No such stock was possible five years ago and it shows what can be done with careful cultivation and a thorough understanding of a variety. Liberty roses are also becoming more a factor and are pushing the Beauty hard for first place. They have the short and medium lengths distanced as it seems that no matter how short a stem, the flower is always of good form and color. Carnations piled up badly the last week or two and really fine stock was to be seen on the streets at ridiculous prices. This week receipts have not been so large and are more easily handled. Southern daffodils are a shade scarcer and there is a little hope for the home production of which there are a few still about. Violets are almost over. S. S. Pennock is receiving a few good ones, at least fair flowers for the time of year.

Robert Craig & Son will soon have a large crop of lilacs. These will bridge over the gap between the last of the greenhouse and the first of the garden production. W. A. Leonard, of Lansdowne, is right in it with his grafted Bride and Bridesmaid. The crop this season amounted to 35,000 plants and he has been very busy day and night getting the stock delivered.

The record of violets handled by one commission house in New York, the violet center of the country, for Easter, was given last week as 500,000. S. S. Pennock, of this city, received and sold this many doubles and 60,000 singles in addition, which is certainly a record for this city at least.

At H. A. Dreer's there is tremendous activity, as almost half the stock has to be packed and delivered in the next month. It is astonishing the amount of plants, both from greenhouse and herbaceous grounds, that are moved during the months of April and May.

The weather is most disappointing to the bedding plant man. April 19 there were 6° of frost and even magnolias, which are generally over by this time, are now only showing color.

At a special meeting of the Florists' Club at the club room, Horticultural hall, April 16, the following resolutions were adopted:

WHEREAS, The members of the Florists' Club have heard with deep regret of the death of their fellow member, George Huster, be it

Resolved, That the club members make a special minute of the high estimation in which they held Mr. Huster for his loyal and faithful services on behalf of its interests from its foundation up to the time of his death. His professional ability and zeal were widely recognized and his singleness of heart, earnestness of purpose and high sense of honor were distinguishing characteristics that earned him the affection and respect of all; and

Resolved, That the secretary forward a copy of this minute to the relatives of Mr. Huster as a testimony to them of the warm regard in which Mr. Huster was held and an expression of their sympathy in a mutual loss which they all deplore. And further

Resolved, That the floral emblem of the club be sent to the funeral.

GEORGE C. WATSON,
CHARLES FOX,
CHARLES MECKY,
COMMITTEE.

K.

Boston.

Boston got its share of the wintry weather that was being handed out last week and we were treated to the uncommon spectacle of a snow-mantled country in middle of April. Unwelcome as it was on general principles, it was certainly a boon for the cut flower people, shortening up the crops and making a substantial inroad on the accumulations that were blocking up the refrigerators of growers, wholesalers and retailers. The effect on quality was also good. Roses now coming in have the cold weather substance and depth of color; carnations are excellent and violets, which had begun to make their annual retreat before the warm spring sun have taken fresh courage and are still in the ring. Trailing arbutus, in the familiar little stubby bunches, is seen on all the curbstone and "hole-in-the-wall" stands. Twenty-five cents a bunch is the ruling price but they're not worth it, denuded of foliage and tightly bound with many yards of thread.

N. F. McCarthy & Co. are selling some very fine imported hardy ornamental stock at their auction room every Tuesday and Friday. Bedding plant trade has not begun to move yet although an occasional gorgeous wagon load of geraniums, daisies, spiræas and heliotropes may be seen meandering through the residential districts.

Mayor Collins has sent in the appointment of Wm. Doogue as superintendent of the common and public squares and his confirmation will follow. This disposes of the rumor which has been rife that Mr. Doogue was to be deposed this spring.

Patriots' day, eastern Massachusetts' great local holiday, was observed with customary enthusiasm and brought quite a respectable flurry of business to the florists, shipping trade being very good with the wholesalers on Monday.

F. R. Mathison's automobile has arrived at the new house built especially for its occupancy. It is a first-class Stanley machine, seating four persons.

John H. Cox is rapidly improving at the City hospital.

Visitors in town last week were August Rhotert, New York, and Supt. Perry of Niagara Falls reservation.

Baltimore.

Supplies of cut flowers meet all needs. Fortunately the rush of lilies which missed Easter is about over. Carnations for the last two or three days have all been taken up, and violets are on the wane, although to-day (April 18) there was a little spurt in the demand. Bulbous stock from the south continues to come in heavy shipments. The street vendors complain of poor trade. It is thought that more persons than usual will forsake the city this year for the country, the seashore and the mountains, and that the hegira will begin early. The conditions existing in the devastated portions of the city are far from enjoyable, dust and mud prevailing alternately. The customary social festivities are lacking in number, the weddings which occur are not celebrated with the abundance of floral display generally expected, and on some sides there exists a decidedly pessimistic feeling as to the summer—ill-grounded, let us hope.

Everybody is busy, gardeners pushing ahead their bedding plants which have filled up the benches emptied of Easter stock and a great deal of hardy material is being planted outside. The demand for labor in the burnt district of the city renders ordinary unskilled laborers scarce, and is retarding such work as laying off, grading and tree planting. Isaac H. Moss, who has established a fine nursery at Govanstown, say he finds it necessary to decline to accept orders for material to be planted, and other local nurserymen take the same course. They will sell and deliver the trees but the buyer must provide for the planting. The late season, it is thought, will lessen the volume of the nursery trade this spring.

In the cut-flower trade last week there were one or two fair days with the others dull ones. Towards its end stock was generally cleaned out, but at almost slaughter prices. There were some funerals, a few weddings, and fewer still receptions and entertainments. The weather was cold, raw, windy—far below normal in night temperatures, the mercury going down several times to 20° and 22°, and making a record for low for April in this vicinity.

Henry Bauer, a well-known and capable cultivator, has been appointed gardener at the House of Refuge, a reformatory institution for boys largely supported by the city and state, and is sending to market considerable and creditable quantities of cut flowers.

S. B.

WORCESTER, MASS.—Hanson & Company have opened a flower store at 125 Eastern avenue.

PITTSFIELD, ILL.—George Hansen, proprietor of the Pittsfield greenhouse, returned to this city Tuesday afternoon after seventeen months' stay at San Antonio, Tex. He is much improved in health.

DES MOINES, IA.—Andrew Loeffler, a prosperous East Des Moines florist, worried by family troubles and under arrest for threatening to commit a public offense, saved himself the disgrace of being locked in the county jail a few days ago by committing suicide. He outwitted the officer who had him in charge and drank two ounces of carbolic acid.

OBITUARY.

James Mott.

James Mott, at one time one of the best known nurserymen in Florida, died at Miami, April 13. Mr. Mott had been ill for several months past.

James A. Wright.

Prof. Jas. A. Wright, formerly professor of horticulture at the State College of Utah, also a member of the state board of horticulture from its organization and secretary of the board, died April 1 at Salt Lake City. He resigned his professorship at the college to become editor of the *Inter-Mountain Farmer* when the paper was established and edited it with great ability up to the time of his death although almost unable to move and unable to speak save in a whisper. He was only 47 years of age at the time of his death.

George Huster.

The craft of Philadelphia, Pa., lost one of its most illustrious members on Wednesday, April 13, when George Huster died. Death was caused by cancer of the stomach. The deceased was a Bavarian and was born in 1836. He emigrated to this country in 1860 and settled in Philadelphia where he since resided. He first worked as assistant gardener in private places where his ability soon placed him in entire charge. He made a specialty of hothouse grapes and won many prizes before the Pennsylvania Horticultural Society, where he was an important exhibitor. On October 1, 1872, he took charge of the Girard college grounds, which has really been his life work, as he was still chief gardener when death overtook him in his 68th year. Mr. Huster was a most practical as well as intelligent gardener and kept well to the front, in fact in some things he was a leader and blazed the way that others were glad to follow. One of his achievements was the discovery of the croton as a bedding plant. In adding variety to the extensive decorations on the college grounds he planted beds of crotons and their beauty and the way in which they thrived in the full glare of the summer sun was a great demonstration to the trade of the possibilities of the plant and now thousands are grown for this purpose. He was also among the first with cacti and fancy caladiums as outdoor bedding plants. Mr. Huster always took a great interest in horticultural and kindred societies, being an active member of the Pennsylvania Horticultural Society where he served with great success on its committees and always worked hard for its success. He was also an enthusiastic member of the Florists' Club, being a member of the committee on exhibits. He was a very genial gentleman and always welcomed visitors and took pleasure in showing them about the college grounds in which were to be found examples of the finest bedding in the country. He was buried from the residence of a nephew (having always remained a bachelor) on Monday last. The funeral was largely attended by members of the craft who also sent a number of beautiful floral emblems. The photograph reproduced on page 546 was taken at the age of about 45 years. K.

SPRINGFIELD, MASS.—F. Burfitt has gone to Erie, Pa., where he intends to locate.

THE AMERICAN FLORIST

NINETEENTH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
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10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

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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.

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

The eastern office of the American
Florist is now at 42 W. Twenty-eighth
street, New York.

START the tuberous begonias and gloxinias
now.

JOHN SCOTT claims his fern grows faster
than the other kinds.

At the World's Fair many exhibitors
are using large decorative plants, palms,
bay trees and the like, liberally.

CANNAS should be sold as sprouted
plants in flats after this date, as the
dormant roots do not succeed well in the
hands of amateurs.

ICE bound streams are reported in
Maryland April 20, a temperature of 26°
F. at Asheville, N. C., and several inches
of snow at Louisville.

In the S. A. F. announcement in our
last issue, page 520, the new name of
John Cook's rose was given as Enchant
when it should have been Enchanter.

WE regret to find that through a recent
error in proof reading our Louisville cor-
respondent was made to record the death
of E. J. Marrett when E. Morat was
intended.

It has been our endeavor in this issue
to give special prominence and extra
space to very seasonable articles and
papers on coal and greenhouse construc-
tion matters.

THE Florists' Hail Association has paid
\$11,053.90 for broken glass since August
1, 1903. Insure your glass now. John
G. Esler, Saddle River, N. J., is secretary
of the association and will attend to all
inquiries.

IN our issue of April 2, page 433, there
is an illustrated note on Helenium
autumnale. The sender of this note was
evidently mistaken about the plant as on
close inspection it seems to be a species
of helianthus and, as one of our corre-
spondents suggests, probably H. Maxi-
miliana.

New Decision On Roses.

The Board of United States General
Appraisers has sustained a protest filed
by the American Express Company for
Heller Brothers, French & Sons and John
Burton, says the New York Commercial.
Judge Waite, who writes the opinion for
the board, says so-called rooted rose
cuttings are not dutiable as "rose plants"
at 2½ cents each under paragraph 252
of the tariff act of 1897, but should be
classified as "cuttings of plants com-

monly known as nursery or greenhouse
stock," at twenty-five per cent ad-
valorem under the above named para-
graph. The collector's assessment was
reversed by the board and a liqui-
dation ordered.

American Rose Society.

ED. AMERICAN FLORIST:—I notice in
your issue of March 19 W. N. Rudd's
rather severe criticism of the American
Rose Society, and assigning reasons for
its partial failure. Now, I would like to
ask Brother Rudd, seeing he has diag-
nosed the case so well, if he will not be
the "Good Samaritan" to take the
youngster by the hand and help steady
it until it can stand on its feet. Begin by
trying to induce all the rose growers
around Chicago, employers and employes,
to send their names to Secretary Barrou
as prospective members of the American
Rose Society and then bring them with
him to Boston next March, and I can
assure him that they will find there as
democratic a lot of florists as it has ever
been his good fortune to meet, not even
excepting the members of the carnation
society. The true rose lover knows
no distinction between employer and
employee and in no part of the country
can there be found more devoted lovers
of the queen than around Boston. No
doubt here, as elsewhere, they need a
little stirring up to bring out their
enthusiasm, but if Brother Rudd will use
his best efforts to stir up the rose growers
around Chicago and see, when the time
comes, that they all come to Boston we
will endeavor with him to give the rose
society such a lift that when she starts
westward from the Hub we shall all be
so proud of her that we shall want to
travel with her train.

ALEX. MONTGOMERY, Pres.

For Example.

It is most disagreeable to have your
New York contemporary mutilate one's
statements, enclose the mangled remains
in quotation marks, accuse one of having
given out this clipped and emasculated
product of the scissors and blue pencil,
and then use it as a text for a serious ed-
itorial. Of course it is a natural se-
quence that Job should take a "whirl"
at the same, and pour out some of his
watery humor over it, but no one cares
particularly about him.

What is hard to understand, however,
is how these "holy Willies" who are con-
tinually taking one to task for not dot-
ting i's and crossing t's can justify them-
selves in this sort of thing.

W. N. RUDD.

Side Lines to Corn Canning.

ED. AM. FLORIST:—A party contem-
plating the erection of a plant for can-
ning corn in southern Illinois would like
to learn through your columns if it would
be practical and profitable to erect in
connection with same greenhouses for
cucumber forcing or sheds for mushroom
growing or both. The plant will be in
use only during August and September
each year and the idea is to establish in
conjunction with it something that will
enable him to keep at least a portion of
the plant running the entire year, also
certain of the help, such as foreman,
engineer and office help. Any informa-
tion bearing on the above will be greatly
appreciated.

J. M.

MINGO JUNCTION, O.—Willie Richardson
has opened a retail store here.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 is entitled to a five-line WANT
ADV. (situations only) free, to be used at any
time during the year.

Situation Wanted—As head gardener or fore-
man. German, married, age 31. Best reference.
J. KRAMER, Box 257, Poughkeepsie, N. Y.
Dutchess Co.

Situation Wanted—Eight years' experience in
cut flowers, ferns and general stock. Age 24.
English. WAKELING, Fultonville, N. Y.

Situation Wanted—By an all-around florist and
gardener, age 27, Norwegian, on private or com-
mercial place. Please state wages and particulars.
T. T., care American Florist.

Situation Wanted—By grower of Beauty and
tes roses. Steady job, good wages; good worker,
married; in or around Chicago.
E. V., care American Florist.

Situation Wanted—By a first-class man up to-
date in all design work; years of best experience;
married, sober and industrious. Address
Box 45, care American Florist.

Situation Wanted—By practical grower of cut
flowers to take charge. References. State wages
without board. Address
GROWER, care American Florist.

Situation Wanted—By good all-around man.
Best of references. Missouri or Illinois preferred.
State wages. Address
FLORIST, care American Florist.

Situation Wanted—As foreman; by a grower of
twenty years' experience. Best of references.
Married, good worker, steady habits.
CHAS. DUERR, Morton Grove Greenhouses,
Morton Grove, Ill.

Situation Wanted—Expert rose grower is open
to engagement where a foreman of the highest
qualifications is needed. His specialty is high
grade cut blooms. Address
SPECIALIST, care American Florist.

Situation Wanted—As foreman to take entire
charge; a first-class grower of cut flowers and
plants, capable of managing a large plant; whole-
sale preferred. First-class references. Address
FLORIST, 815 Race St., Philadelphia.

Situation Wanted—By a first-class grower of
All roses, carnations, as foreman, wholesale or
retail; single; 16 years' experience. Good wages
expected. No place of less than 20,000 feet con-
sidered. Strictly temperate. Address
RELIABLE, care American Florist.

Situation Wanted—By German, age 27, single, 8
years' experience in this country; competent rose
grower, wishes steady position in up-to-date
establishment, either to take charge of section
or small place where general stock is grown; good
references. Please state particulars and wages.
H. H. B., care American Florist.

Situation Wanted—By one of the best florists
in the western states, earning \$85 a month. Best
of reputation and ability. Certainly knows his
business or he would not get this pay. Wants to
advance himself. Would like to go as partner or
manager; could invest \$1,200 if necessary. Only
up-to-date establishment need apply by June or
July. B. J. A., care American Florist.

Help Wanted—A florist, good pay and good
treatment. HESS & SWOBODA, Omaha, Neb.

Wanted—To rent. 15,000 to 25,000 square feet
of glass in good condition, on or before June 1st.
H. C., care American Florist.

Help Wanted—At once, good all-around green-
house man. Must thoroughly understand
syringing. C. H. FREY, Lincoln, Neb.

Help Wanted—At once, a practical, rapid pot-
ter who can also assist when required at bedding
out. CRABB & HUNTER Grand Rapids, Mich.

Help Wanted—A florist as all-around man in
pot plant establishment. Address
GARFIELD PARK FLOWER CO.,
1688 W. Madison St., Chicago.

Help Wanted—At once, two first-class growers
for roses and carnations under foreman. None
but good, steady men need apply.
G. VAN BOCHOVE & Bro., Kalamazoo, Mich.

Help Wanted—Assistant florist; please state
amount of experience, give references, also when
disengaged; wages \$10 per week. Address
J. A. PETERSON, McHenry Ave.,
Westwood, Cincinnati, O.

Help Wanted—A single man with some experience in greenhouse work, for assistant florist. State experience and wages wanted with board and room. C. L. BRUNSON & Co., Box 74, Paducah, Ky.

Help Wanted—An all-around florist to grow roses, carnations and general greenhouse stock. Must be temperate, reliable and capable. Best of references required. Address M S E, care American Florist.

Help Wanted—First-class rose grower to take entire charge of rose section. Comfortable position and good wages to competent man. Locality suburb of Toronto. References will be required. MILLER & SONS, Bracondale, Toronto.

Help Wanted—At once, a good, sober, industrious man; married preferred. Must be capable of taking charge of a section where roses, carnations and violets are grown. Good place for right man. None but first-class need apply. State wages and give reference in first letter. Address or call. ROBERT KLAGE, Mt. Clemens, Mich.

Help Wanted—Working foreman to take charge of about 35,000 square feet of glass where roses and carnations are grown for cut flowers; must be up-to-date grower. My place is ten miles out of Pittsburg, Pa. Please state wages expected, with board and washing; also state age and how soon you can come. Also want an assistant florist. JOHN L. WYLAND, DeHaven, Pa.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references. FRED J. KING, Ottawa, Ill.

Wanted—At once, new or second-hand refrigerator, glass front, dimensions about 3x5x8 feet. Give particulars and photograph of same in first letter. Address BAUR FLORAL Co., Erie, Pa.

Wanted—Partner. Practical all-around florist to take part interest with a thoroughly responsible man who has other interests. It is a wide awake western town and a good opening for some young fellow who wants to get in for himself. Address E, care American Florist.

To Rent—Eleven greenhouses, rooms and stable in Clifton, Cincinnati, O. Apply to JNO. J. SCHIFF, No. 206 Carlisle Building.

For Sale—Cheap; only greenhouse in town; doing good business. Reason for selling, family affairs. Apply at McCOMB FLORAL Co., Box 51, McComb, O.

For Sale—Ten greenhouses; about 40,000 feet of glass. Good house and barn. Everything in good order. Ten miles north of Chicago City Hall. P J, care American Florist.

For Sale—One No. 5 Kroeschell Hot-Water Boiler. Guaranteed to run 12,000 square feet of glass; in good condition. Address ADGATE & SON, Warren, O.

For Sale—Old established greenhouse in the best town in central Kansas. No competition. Good reasons for selling. Address MRS. JOHN BUCHI, Salina, Kan.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. JAS. RICHARDSON, London, O.

For Sale—14,000 feet of glass in thriving town 8,000 close to large city, in central Indiana. Natural gas. Fine rose soil. Well established retail trade. Fine chance for up-to-date florist. B H, care American Florist.

For Sale or Rent—Florists' establishment of 10,000 feet of glass. Heated by steam, everything complete and well stocked. With 2 acres or more of ground. Frame house. 6 miles from center of Philadelphia. DAVID BEARN, Bala, Pa.

For Sale—A fortune in this: The finest greenhouse plant in a western state. 2 acres, 40,000 square feet of glass. Modern in every way; all new. A ready market for all products. In a thriving city in Colo. Write for particulars. C C, care American Florist.

For Sale—An elegant greenhouse plant of 20 lots, 40,000 square feet of glass. Modern in every way, all new. A ready market; cannot supply the demand. In a thriving city in Colorado. Will sell reasonably if sold at once. Address W W, care American Florist.

For Sale or Rent—180 ft. greenhouse, fitted up for carnations or roses; almost new. Situated between South Norwalk and Stanford in the village of Rowayton. 10 minutes walk from train or trolley. Apply to JAMES HURST, Rowayton, Conn.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address SAMUEL J. BUNTING, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—A flower, seed and nursery business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. Reason for selling, owner has another business and cannot attend to two. Address J. SEULBERGER, 414 14th St., Oakland, Cal.

For Sale—Well established florist business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. For particulars address FRANK M. PAINE, Traverse City, Mich.

For Sale—\$4,800, \$1,500 cash, balance on long time, takes place of 12,000 feet of glass; well stocked. Good dwelling and barn, 1 acre of land, team, wagons and tools, complete. Place well worth \$6,000. Spring trade will turn \$1,500. Located in progressive city of 12,000; 3 steam, 3 electric lines. Ill health cause for selling. For particulars address B B, care American Florist.

FOR SALE.

7 greenhouses in good condition and as many acres of land as wanted. With it a good dwelling. This is one of the most desirable plants to be found. Good home trade and three expresses daily to Cincinnati. We raise the best roses going to Cincinnati market. Can give best of reference as to its income from dealers. Address

A. T. ROUDEBUSH, Oxford, O.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

Pointer No. 23

I HAVE AN INDUCEMENT

For a Man of Limited Capital to Join Me in

Erecting a plant of 10,000 to 20,000 feet of glass in a locality where coal can be bought for \$1.25 per ton; plenty of water and all the land required. Close to railway station on a direct line between Chicago and New Orleans; near best market in the west. Have the land, cedar posts for ten houses, 2 steam boilers, 5,000 feet of pipe, 6,000 feet of new sawed 2-in. oak for benches. Location is ideal to tap the trade now being carried on between Chicago and the South. Ten acres of land, half of it in blue grass; young orchard.

Want a partner with \$1,500 to help complete the plant or I will sell out for same price. Like Paddy's blanket, "It's as broad as it's narrow." It's a rare opportunity either way. Coal, mine run, \$1.25 per ton. Exchange references through

Florists' American Exchange

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,

Care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Apr. 21.

Roses, Beauty, long per doz.	3.00@4.00
" " med.	1.50@ 2.00
" " short	4.00@ 8.00
" " Bride, Bridesmaids	4.00@ 6.00
" " Meteor, Golden Gate	4.00@ 6.00
" " Perle	4.00@ 6.00
Carnations	2.00@ 4.00
Smilax	18.00@20.00
Asparagus	35.00@50.00
Violets	1.00
Valley	2.00@ 3.00
Tulips	2.00@ 3.00
Daffodils	2.00@ 3.00
Callas	10.00
Harrisii	12.50

PITTSBURG Apr. 21.

Roses, Beauty, specials	25.00@30.00
" " extras	15.00@20.00
" " No. 1	8.00@12.00
" " ordinary	3.00@ 5.00
" " Bride, Bridesmaid	3.00@10.00
" " Meteor	2.00@ 6.00
" " Liberties	2.00@12.00
" " Kaiserin	2.00@ 6.00
Ulrich Brunner	6.00@12.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	20.00@25.00
Asparagus, strings	30.00@50.00
Asparagus Sprenger	2.00@ 3.00
Violets	20@ .75
Lilies	3.00@ 8.00
Paper White	1.00@ 3.00
Tulips	1.00@ 3.00
Daffodils	1.00@ 3.00
Dutch Hyacinths	3.00@ 4.00
Yellow Purple Iris	8.00
Candy Tuft	2.00

CINCINNATI, Apr. 21.

Roses, Beauty	2.00@ 6.00
" " Bride, Bridesmaid	3.00@ 6.00
" " Liberty	4.00@ 8.00
" " Meteor, Golden Gate	4.00@ 8.00
Carnations	1.00@ 4.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Violets	.50@ .75
Narcissus	3.00
Romans	3.00
Harrisii	12.50@15.00
Calla	10.00@12.50

St. Louis, Apr. 21.

Roses, Beauty, long stem	3.00@4.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.50@ 1.00
" " Bride, Bridesmaid	4.00@ 8.00
" " Golden Gate	4.00@ 8.00
Carnations	1.50@ 3.00
Smilax	15.00
Asparagus Sprenger	1.00@ 3.00
" " Plumosus	25.00@50.00
Ferns	per 1000..... 4.00
Narcissus Paper White	3.00
Valley	3.00@ 4.00
Romans	2.00@ 3.00
Dutch hyacinths	3.00@ 4.00
Tulips	3.00@ 4.00
Callas	10.00@12.50
Harrisii	10.00@12.50
Poeticus	.75@1.00

HEADQUARTERS FOR

WILD SMILAX

AMERICAN BEAUTY		Per Dozen.
36-inch stems	.....	\$5.00
24 to 30-inch stems	.....	3.00
18 to 24 " "	.....	2.00 to 3.00
15 to 18 " "	.....	1.50 to 2.00
12 to 15 " "	.....	1.00
		Per 100
Bride and Maid	.....	\$3.00 to \$8.00
Golden Gate	.....	3.00 to 8.00
Liberty, Chatenay	.....	6.00 to 10.00

DEAMUD'S SPECIAL
Ferns, \$3.00 per 1000.

		Per 100
Carnations	.....	\$1.50 to \$3.00
" " Fancy	.....	2.50 to 4.00
Violets, Double	.....	.25 to 1.00
" " Single	.....	.60 to .75
Valley	.....	2.00 to 4.00
Narcissus, Poets	.....	1.00
Harrisii	.....	10.00 to 12.50
Callas	.....	10.00 to 12.50
Asparagus Sprenger, sprays	.....	2.00 to 4.00
" " Plumosus, string, 25c to 50c each	.....
Fancy Ferns	..... per 1000	\$3.00 .35
Galax, Bronze, Green, 1000	.....	\$1.25 .15
Adiantum	.....	1.00
Leucothoe Sprays	.....	1.00
Smilax	..... per dozen	\$2.50

WILD SMILAX, 50 pound case, \$7.00.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

Brant & Noe Floral Co.,

CROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.
58-60 Wabash Ave., CHICAGO.
Please mention the American Florist when writing.

H. G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

FOR SOUTHERN WILD SMILAX.
(Where quality is First Consideration)
Write, Wire or Phone the Introducing,

CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

C. B. Flick Floral Co.

207-9 W. Berry Street, FT. WAYNE, IND.

Crowers of Extra Fine Carnations, Daffodils and English Violets.
Reasonable Prices. Prompt Attention.
Address all mail to Miss C. B. FLICK.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.
316 WALNUT ST. CINCINNATI, OHIO.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

Pittsburg Florist Exchange

WHOLESALE FLORISTS.

243 Diamond St., Pittsburg, Pa.
CONSIGNMENTS SOLICITED.

There Are Buyers

For all kinds of good stock advertised in.....

THE AMERICAN FLORIST

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,

AT CHICAGO MARKET RATES.

42-44 E. Randolph St.,

CHICAGO, ILL.

GREEN GOODS.

A general scarcity prevails in the market, but while our Smilax is short, we can supply large quantities of Asparagus, good, long, heavy strings. Send us your orders. Plenty of **Hardy Ferns**.

ALL CUT FLOWERS IN SEASON.

E. C. AMLING,

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

32-34-36 Randolph St.,
Long Distance Telephones 1978 and 1977 Central.

CHICAGO, ILL.

American Beauty.	Per doz.
30 to 40-inch stem.....	\$4.00
24-inch stem.....	3.00
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	1.00
Short stems, \$5.00 to \$6.00 per 100	
	Per 100
Bride and Maid.....	\$3.00 to \$ 8.00
Meteor and Gate.....	3.00 to 8.00
Liberty.....	4.00 to 10.00
Roses, our selection.....	3.00
Carnations.....	1.50 to 2.00
" large and fancy.....	3.00 to 4.00
Violets.....	.75 to 1.00
Valley.....	3.00 to 4.00
Poet Narcissus.....	1.00
Mignonette, per doz.....	50c to 75c
Sweet Peas.....	1.00
Callas, per doz.....	\$1.25 to \$1.50
Harrisii, per doz.....	1.00 to 1.50
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns.....	per 1000, \$4.00 .40
Galax.....	per 1000, 1.25 .15
Adiantum.....	1.00
Smilax.....	per doz., \$3.00
Leucothoe Sprays.....	1.00

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The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

FRANK GARLAND,
Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**
66-67 WABASH AVENUE, CHICAGO.
Telephone Central 3284.
Please mention the American Florist when writing.

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.

MICHAEL Winandy
Wholesale Grower and shipper of **CUT FLOWERS**
Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.

WIETOR BROS.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

It is good business policy to mention the **American Florist**.....when writing to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **A Specialty.....** WHOLESALE GROWER of **CUT FLOWERS**

HOLTON & HUNKEL CO., -- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Apr. 22.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 "	2.00@2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
Liberty.....	6.00@ 8.00
" extra select.....	10.00@ 12.00
Chatenay.....	5.00@10.00
Bride, Bridesmaid.....	3.00@ 8.00
" Meteor, Golden Gate.....	4.00@ 8.00
Carnations.....	1.50@ 2.50
" fancy.....	3.00@ 4.00
Valley.....	3.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@6.00	
" Sprengeri.....	3.00@ 6.00
Violets, double.....	.75@ 1.00
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
" Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns.. per 1000	3.00@ 4.00
Smilax.....	12.50@15.00
Callas.....	1.00@ 1.50 per doz.
Harrisii.....	1.00@ 1.50
Daffodils.....	2.00@ 3.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telegraph and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.

Wholesale Growers of **Cut Flowers**
and Dealers in **Cut Flowers**
All telegraph and telephone orders given prompt attention. 35-37 Randolph Street, CHICAGO, ILL.
GREENHOUSES: Morton Grove, Ill.
Please mention the American Florist when writing.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE
Wholesale Growers and Shippers of **CUT FLOWERS,**
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

ALWAYS MENTION THE.....
AMERICAN FLORIST
WHEN WRITING ADVERTISERS.

Leo Niessen

For April Weddings

WHOLESALE FLORIST,

1217 Arch Street, PHILADELPHIA, PA.

VALLEY, BEAUTIES,
LILIES, WILD SMILAX.

Write for Prices.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN.

34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,

WHOLESALE

FLORISTS.



84 HAWLEY STREET, BOSTON.

WELCH BROS. CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr.
WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

GEORGE SALTFOORD,
WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK.

TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.

Consignments of any good flowers 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.

N. Lecakes & Co.

63 W. 28th St., and 46 W. 29th St., Also at 26th St. and 34th St. Markets

NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS

OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.

Telephone 1214 Madison Square.



WILD SMILAX ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$2.00 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

Wholesale Flower Markets

BOSTON, Apr. 20.

Roses, Beauty, extra.....	15.00@30.00
" " medium.....	6.00@10.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid.....	2.00@ 4.00
" extra.....	4.00@ 8.00
" Liberty.....	4.00@10.00
Carnations.....	1.00@ 2.00
" Fancy.....	2.00@ 4.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 3.00
Harrisii lilies, Calla.....	6.00@ 8.00
Smilax.....	12.00@25.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	.75@ 1.00
Tulips.....	.75@ 1.00
Peas.....	.50@ 1.00

PHILADELPHIA, Apr. 20.

Roses, Tea.....	3.00@ 5.00
" extra.....	8.00@12.00
" Beauty, extra.....	16.00@25.00
" firsts.....	8.00@10.00
" Queen of Edgely, extra.....	16.00@25.00
" firsts.....	8.00@10.00
Carnations.....	2.00@ 5.00
Violets, single.....	.30@ .40
" double.....	.50@ .75
Lily of the valley.....	3.00@ 4.00
Daffodils.....	1.00@ 3.00
Tulips.....	2.00@ 3.00
Lilac.....	.25@ 1.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Loogiflorum.....	5.00@ 6.00

BUFFALO, Apr. 21.

Roses, Beauty.....	3.00@40.00
" Bride, Bridesmaid, Meteor.....	3.00@10.00
Carnations.....	2.50@ 6.00
Harrisii.....	12.50@15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1.00
Violets.....	.60@ .75
Callas.....	8.00@10.00
Sweet Peas.....	.40@ .60

LAUREL FESTOONING and SOUTHERN SMILAX.

No. 1 quality Laurel festooning, made all round, full and the best made, fresh from the woods, 4c, 5c and 6c per yd. 50 lb. case, finest Smilax ever sold, only \$5.00. Fancy ferns, \$2.00 per 1000. Dagger Ferns, \$1.50 per 1000. All stock Bronze and Green Galax, 75c per 1000. At stock Bronze and Green Galax, 75c per 1000. All stock on 10,000 lots. Send us your orders and get the best to be had at bottom prices and fresh from the woods. Satisfaction guaranteed.



Long distance telephone connection.

GALAX.

Brilliant Bronze or Green, \$1.00 per 1000; 75c per 1000 in 5000 lots or over. Southern Smilax, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. Leucothoe Sprays, green, \$1.00 per 100; \$7.50 per 1000. Green Sheet Moss, per barrel sack \$2.50. Dagger Ferns, \$1.25 per 1000. ALL KINDS FLORISTS' SUPPLIES.

Tel. 597 Madison Square. L. J. KRESHOVER, 112 W. 27th St., New York.

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1993 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonal novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 903 Madison Square.
39 West 28th St., NEW YORK.
Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH
Wholesale Commission Florists.
55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS
Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,
Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
116 W. 30th St., New York. Also 48 W. 30th St.

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Cut Flower Exchange.
OPEN 6:00 A. M.
An Unequaled 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, Apr. 20.

Roses, Beauty, Liberty, best.....	15.00@30.00
" " medium.....	4.00@ 8.00
" " culls.....	1.00@ 2.00
" Bride, Bridesmaid, G. Gate.....	2.00@ 8.00
" Brunner.....	10.00@25.00
Carnations.....	1.00@ 3.00
" fancy and novelties.....	3.00@ 5.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	3.00@ 5.00
Violets.....	.20
Smilax.....	12.00@25.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Tulips.....	2.00@ 3.00
Narcissus.....	2.00@ 4.00
Gardenias.....	25.00@50.00
Stocks.....	.10@ .20 per bun.
Sweet peas.....	.03@ .10 per bun.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Always mention the.....

American Florist

when you write to an advertiser.

FORD BROS.

Receivers and Shippers of
Fresh Flowers
111 West 30th St., NEW YORK.
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REPRESENTING EMINENT GROWERS.

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COMMISSION DEALER in FLOWERS
TELEPHONE 280 MADISON SQUARE.

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Wholesale Commission Florist,
A full supply daily of the choicest
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FLOWERS.

52 W. 28th Street, NEW YORK CITY
Telephone 1738 Madison Square.

THE NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments:
TELEPHONE J. A. MILLANG,
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CARNATIONS My Specialty.
CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St.
New York.
Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,
Telephone 421
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CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th. St. N.W New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. **Cable Address: ALEXCONNELL.**

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TELEPHONE CALLS: 340 and 341 38th Street.

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LONDON.

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, Onelew Crescent, South Kensington, FLOSCULO, LONDON. LONDON, ENGLAND.

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Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER
GROWER AND DEALER

522 So. Spring St., Los Angeles, Cal.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

241 Massachusetts Ave., INDIANAPOLIS, INU.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873, Long Dist. Phone Lindell 196 M

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Etruria	1	Sat. Apr. 30, 8:00 a. m.	May 7
New York.....	"	Aurania	1	Tues. May 3, 9:00 a. m.	May 12
New York.....	"	Lucania	1	Sat. May 7, 10:00 a. m.	May 13
Boston.....	"	Saxonia	1	Tues. Apr. 26, 6:30 a. m.	May 3
New York.....	Glasgow	Mongolian	2	Thur. Apr. 28, 11:00 a. m.	May 8
Montreal.....	Liverpool	Ionian	2	Sat. May 7,	May 15
New York.....	Hamburg	Eleucher	3	Thur. Apr. 28, 10:00 a. m.	May 8
New York.....	"	Graf Waldersee	8	Sat. Apr. 30, 5:00 a. m.	May 10
New York.....	"	Moltke	3	Thur. May 5, 10:00 a. m.	May 15
New York.....	Genoa	Phoenecia	3	Thur. May 5, 10:00 a. m.	May 20
New York.....	Copenhagen	Helig Olav	4	Wed. Apr. 27, 2:00 p. m.	
New York.....	"	Hekla	4	Sat. May 7, 2:00 p. m.	
New York.....	Glasgow	Columbia	5	Sat. Apr. 30, 9:00 a. m.	May 10
New York.....	"	Astoria	5	Sat. May 7, Noon.	May 17
New York.....	London	Messaba	6	Sat. Apr. 30, 9:00 a. m.	May 10
New York.....	"	Minnetonka	6	Sat. May 7, 11:30 a. m.	May 17
New York.....	Liverpool	Majestic	7	Wed. Apr. 27, 10:00 a. m.	May 4
New York.....	"	Arabic	7	Fri. Apr. 29, 5:00 p. m.	May 6
New York.....	"	Oceanic	7	Wed. May 4, 9:00 a. m.	May 10
Boston.....	"	Republic	7	Sat. Apr. 30, 10:00 a. m.	May 7
New York.....	Southampton	St. Louis	8	Sat. Apr. 30, 9:30 a. m.	May 6
New York.....	Antwerp	Finland	9	Sat. Apr. 30, 10:30 a. m.	May 10
New York.....	"	Vaderland	9	Sat. May 7, 10:30 a. m.	May 17
New York.....	Havre	La Savoie	10	Thur. Apr. 28, 10:00 a. m.	May 8
New York.....	"	La Touraine	10	Thur. May 5, 10:00 a. m.	May 15
New York.....	Rotterdam	Noordam	11	Tues. Apr. 26, 10:00 a. m.	May 6
New York.....	Genoa	Sicilia	12	Tues. Apr. 26, 11:00 a. m.	May 12
New York.....	"	Lombardia	12	Tues. May 3, 11:00 a. m.	May 18
New York.....	Bremen	K. Wil. Der Grosse	13	Tues. Apr. 26, 10:00 a. m.	May 3
New York.....	"	Kronprinz Wilhelm	13	Tues. May 3, 8:00 a. m.	May 10
New York.....	"	Barbarossa	13	Thur. May 5, 10:00 a. m.	May 15
New York.....	Genoa	Prinzess Irene	13	Sat. May 7, 11:00 a. m.	May 20
Boston.....	Liverpool	Devonian	14	Wed. Apr. 27, 7:30 a. m.	May 7
Boston.....	"	Winifredian	14	Wed. May 4, 1:00 p. m.	May 14
Portland.....	"	Kensington	15	Sat. Apr. 30, 2:00 p. m.	May 10

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

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P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephons, telegraph or cable. Cable address: "Daniels Denver."

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO. Pres.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,

Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

<p>NICKEL PLATE. The New York, Chicago & St. Louis R.R.</p>	NO EXCESS FARE ON ANY TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Umbria	1	Sat. Apr. 30	May 6
Liverpool.....	"	Carpathia	1	Tues. May 3	May 12
Liverpool.....	"	Campania	1	Sat. May 7	May 13
Liverpool.....	Boston	Ivernia	1	Tues. Apr. 26	May 3
Glasgow.....	New York	Nunuidia	2	Sat. May 7	May 17
Liverpool.....	Montreal	Bavaria	2	Thur. Apr. 28	May 7
Hamburg.....	New York	Deutschland	3	Thur. Apr. 28	May 5
Hamburg.....	"	Patricia	3	Sat. Apr. 30	May 10
Genoa.....	"	Palatia	3	Tues. Apr. 26	May 12
Genoa.....	"	Furst Bismarck	3	Wed. May 4	May 14
Genoa.....	"	Prinz Oskar	3	Sat. May 7	May 22
Copenhagen.....	"	Norge	4	Wed. Apr. 27	
Copenhagen.....	"	United States	4	Wed. May 4	
Glasgow.....	"	Anchoria	5	Thur. Apr. 28	May 8
Glasgow.....	"	Furnessia	5	Thur. May 5	May 15
London.....	"	Minnehaha	6	Sat. Apr. 30	May 10
Liverpool.....	"	Minneapolis	6	Sat. May 7	May 17
Liverpool.....	"	Teutonic	7	Wed. Apr. 27	May 4
Liverpool.....	"	Celtic	7	Fri. Apr. 29	May 6
Liverpool.....	"	Cedric	7	Wed. May 4	May 11
Liverpool.....	Boston	Canopic	7	Thur. May 12	May 19
Southampton.....	New York	St. Paul	8	Sat. Apr. 30	May 6
Southampton.....	"	Philadelphia	8	Sat. May 7	May 14
Antwerp.....	"	Kronland	9	Sat. Apr. 30	May 10
Antwerp.....	"	Zeeland	9	Sat. May 7	May 17
Havre.....	"	La Lorraine	10	Sat. Apr. 30	May 10
Havre.....	"	La Gasgogne	10	Sat. May 7	May 17
Rotterdam.....	"	Rotterdam	11	Sat. Apr. 30	May 10
Rotterdam.....	"	Ryndam	11	Sat. May 7	May 17
Genoa.....	"	Liguria	12	Mon. Apr. 25	May 10
Bremen.....	"	Frk. Der Grosse	13	Sat. Apr. 30	May 10
Bremen.....	"	Kaiser Wilhelm II	13	Tues. May 3	May 10
Bremen.....	"	Bremen	13	Sat. May 7	May 17
Genoa.....	"	Konig Albert	13	Thur. May 5	May 18
Liverpool.....	Boston	Canadian	14	Sat. Apr. 30	May 10
Liverpool.....	"	Cestria	14	Sat. May 7	May 15

* See steamship list on opposite page.

Orchids!



Just arrived in perfect condition **Cattleya Mossia**, **Oncidium papilio** (butterfly orchid), **O. ampliatum majus**, **Peristeria elata** (Holy Ghost orchid), **Catasetums** in var., **Cycloches**, **Epidendrums**, **Stanhopeas**, **Dendrobium nobile**, **D. densiflorum** and **D. Chrysanthum**. Also a lot of bulbs of **Calanthe Veitchii** for immediate delivery.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

DES MOINES, IA.—The Morris Cut Flower Company has been formed by W. L. Morris and others with \$10,000 capital.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

Cattleya Trianae Just received grand lot in fine condition and well leaved, low price for large quantity. Address
A. PERICAT, Collingdale, Del. Co., Pa.

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

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER

IN THE WORLD.

Current Price List.

	Per Doz.
AM. BEAUTIES, long stems,	\$4.00
" " 30-in. "	3.00
" " 20-24 "	2.00
" " 15-18 "	1.50
" " Short stems.....	.75 to 1.00
	Per 100
SUNRISE.....	\$5.00 to \$8.00
CHATENAY.....	6.00 to 10.00
BRIDE.....	5.00 to 8.00
BRIDESMAID.....	5.00 to 8.00
PERLE.....	3.00 to 8.00
CARNATIONS.....	2.00 to 3.00
ROSES, OUR SELECTION.....	4.00

All flowers are perfectly fresh and properly packed. No charge for P. and D. on orders over \$5.

A Daily Cut From 40 Growers

"Highest Qualities" AS WELL AS

"Under Grades"

At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR
Cut Flower Wants
TO ADVANTAGE.

Headquarters for "Superior Quality" Brand
Wild Smilax (None Better), **Galax**,
Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,
E. F. Winterson, John P. Degan, L. H. Winterson,
Successors to McKellar & Winterson.
45-47-49 Wabash Avenue, CHICAGO.

Yellow Daisies and fine Kaisersins, Maids and Brides, Fancy Carnations.

PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

ONION sets of all colors are worth \$2.50 to \$3 per bushel at Chicago this week and are scarce.

WISCONSIN farmers are alarmed at the lateness of the season, only three springs in thirty-five years having been so delayed.

LOUISVILLE, KY.—Onion set growers are declining to contract this year, preferring to sell on the open market after the sets are harvested.

THE Lucas & Boddington Company has an effective railroad advertisement in the shape of a board sign, bag-shaped and lettered "lawn seed."

NEW YORK.—Robert Fulton, of Henry & Lee, has returned from a nine months' trip to China and Japan. He says he is very well content in this city.

VISITED CHICAGO: W. H. Henry, of Henry & Lee, New York; Chas. Loechner, representing Suzuki & Iida, New York; F. T. Emerson, Fremont, Neb.; John Lewis Childs, returning from the coast.

It was the late Samuel Ainsworth, for many years connected with the firm of James Carter & Company, London, England, says the Horticultural Advertiser, that gave the name Tom Thumb to the dwarf strains of *Tropaeolum majus* (nasturtium) which are so popular in most gardens.

A DUTCH bulb grower of experience reports an unusual number of complaints this season on the flowering of all bulbous stock. He attributes much of this to the fact that severe winter weather with hard freezing set in early in November before the bulbs were well rooted in the flats. Satisfactory flowering of imperfectly rooted stock he declares is impossible.

SENATOR DEPEW, says the Buffalo News, recently asked certain party leaders for a list of farmers in Westchester county so that he could send them garden seeds. Somebody sent him a list of the members of the Larchmont Yacht club, and now the mail of prominent yachtsmen along the sound is flooded with packages of garden seeds bearing his compliments.

FREESIA ARMSTRONGI, a bright rose-pink form, was exhibited at a recent show of the Royal Horticultural Society of England. "It is a striking flower," says the Horticultural Advertiser, "and one which was much discussed. The plant and blooms shown were miserable weedy specimens, but the color is so remarkable that if the plant improves with cultivation it will be heard of later."

RHODE ISLAND seed trade is very late this year; in fact, there has been very little small retail counter business. Potatoes are about all sold, and went out short, especially rose varieties. Onion sets have not given the dealer any profit, as early, when he had his orders, he could not get his sets owing to the cold, and now, when they have come in quantity, the demand has slackened. Onion seed is plentiful and sweet corn as scarce as ever, also some sorts of cucumber seed.

To Mushroom Spawn Purchasers.

We have information which leads us to believe that some alleged mushroom spawn companies, now advertising extensively by means of circulars, are fraudulent and where any reader of this paper receives such circular matter by mail would advise that it be turned over to the local postal authorities for investigation, unless it comes from dealers of known reliability.

Sweet Corn.

Everyone of us has had a hard time with sweet corn this year, the grower trying to get it dry and cured enough to ship; and the dealer trying to get his contract filled by the grower. It is very discouraging, to say the least, to have your grower write you something like this: "White Cory, Early Crosby, Early Maine, Country Gentleman, Burr's Mammoth and Perry's Hybrid have failed entirely, but we hope to be able to give you a little Potter's Excelsior, Early Minnesota and Stowell's Evergreen; this is not the kind of a report we should like to be able to make you, but it is the best we can do."

Now in a year like this we all know that both sides of this corn question are having a very hard time of it, but the retail trade in many cases truly feels that the grower has not given him what belongs to him on his contract; and the grower often knows that his farmers hold it back from him. And so it goes, an endless chain of fault finding. Some day there may be devised a system of contracting that will prove more satisfactory, both in a season like the past and in a year of over-production.

British Seed Trade Notes.

Owing to the shortage of seed as a result of the very unfavorable season for harvesting, prices generally have remained firm. Many of the growers had their best varieties of peas destroyed by the severe wet and the prices for this season have hardened. For instance the new pea, Rivenhall Wonder, which is to be distributed by Cooper, Taber & Company, was seriously damaged and the supply of seed has been postponed. A

large acreage will be sown this year to supply the numerous demands.

Seed potatoes are interesting the trade, particularly the new disease resisting kinds. It is probable that the increased price will have the effect of causing a further reduction in the acreage devoted to potato culture. During the last few weeks there has been an increased demand and before the season is over there is likely to be a shortage. The Scotch growers have had a very busy time of late in sending consignments to all parts of the United Kingdom. The value of the American seed potatoes when transferred to British soil is receiving increasing recognition on this side.

British seedsmen have been keenly interested in the record-making prices of Eldorado, the latest introduction of A. Findlay, a famous Scotch potato raiser. A sensation was caused at the Smithfield show by J. Poad & Sons, seed merchants of York, selling four pounds of Eldorado for £600. As there were twenty-four potatoes this works out at an average of £25 for each tuber. Similar sensational prices have since been made by George Massey, a Spalding seed merchant. The fortunate holders of the limited stock are offering to supply the seed in the fall of this year at £3 a pound. W. J. Malden, who has made a study of propagating potatoes, is offering strong plants of Eldorado at £4 each for April delivery and £3 for May delivery. These high priced tubers are of a shapely form similar to Snowdrop. The early growth is vigorous and the plant of a bushy habit. It ripens earlier than the Northern Star. The last named, which is also one of Mr. Findlay's raising, is in great demand owing to its heavy-cropping and disease-resisting qualities. Poad & Sons alone have booked more than fifty tons to firms in the seed trade.

Garden Seeds Returned.

WASHINGTON, April 6.—Representative Greene, of the Fall River District of Massachusetts, received this week a letter which is almost unique in congressional annals. It is from a constituent, a woman, who sends back a package of garden seeds which he had sent her, with the dignified statement that, as she disapproves of the expenditure of public money in this way, she feels that she must return the package, thanking the M. C. for his intended courtesy. Mr. Greene adds that she belongs to "an old Democratic family."—*New York Post*.

20,000 Florence Vaughan Canna Bulbs

☐ \$1.00 per 100; \$7.00 per 1000. 20,000 DAHLIA BULBS, best mixed varieties, names having got lost; field-grown, divided roots. 5,000 FLORAL PARK JEWEL, \$2.00 per 100. 10,000 RUBECKIA, (Golden Glow). 500,000 CABBAGE PLANTS, out-door grown, ready May 1, \$1.50 per 1000. 5,000 MARK HANNA and THOMPSON'S No. 2 Strawberry, \$10.00 per 100. Two finest berries introduced. TOBACCO DUST, \$1.00 per 100. THOMPSON'S EARLIEST, the best early berry, \$1.00 per 100 by mail; \$5.00 per 1000 by express. 500,000 Early Cabbage Plants, \$1.25 per 1000. Cash with order.

MARK T. THOMPSON, Rio Vista, Va.

Lily of the Valley Pips.

For Immediate Delivery From Cold Storage

ALL THE YEAR ROUND.

PRICES ON APPLICATION.



Gigas Revoluta Stems.

1 to 5 lbs. each, 300 lbs. to case. Sold in case lots only.

Send for our list of Surplus Nursery Stock.
SUZUKI & IIDA, 31 Barclay St., NEW YORK.

To Seedsmen

The Only Machine...

on the market for automatically filling and sealing seed packets. ❁ ❁ ❁ ❁ ❁ ❁ ❁ ❁

The Brown Bag-Filling Machine Co.
FITCHBURG, MASS.

TRUE ASPARAGUS PLUMOSUS NANUS SEED.

\$5.00 per 1000 seeds. Plants from flats,
\$15.00 per 1000. Express paid.

California Carnation Co.,
LOOMIS, CAL.

Vegetable and Bedding Plants.

CABBAGE and CAULIFLOWER, transplanted;
CELERY and all Vegetable plants in season;
also full line of bedding plants and R. C.
300,000 PANSIES and other hardy plants. Price
list mailed free. Write for special price on
larger lots, to either place.

LUDVIC MOSBAEK,

Onarga, Ill. or 8500 Anthony Ave., South Chicago, Ill.

THE NICKEL PLATE ROAD

Will sell tickets to Cleveland, O., and return
account of National Baptist Anniversary, on
May 16, 17 and 18, at rate of one fare for
the round trip, plus 25c. Tickets good going
date of sale. By depositing same, extended
return limit of June 10th may be secured.
Through service to New York City, Boston
and other Eastern Points. No excess fare
charged on any train on the Nickel Plate
Road. Meals on American Club Meal Plan,
ranging in price from 35c to \$1.00; also service
A la Carte. Chicago Depot: La Salle and
Van Buren Streets, the only passenger station
in Chicago on the Elevated Loop. Chicago
City Ticket Offices, 111 Adams St., and
Auditorium Annex. Phone Central 2057.

2

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For a free copy of Wabash World's
Fair Folder containing a colored map
of St. Louis and the World's Fair
Grounds, together with beautiful half-
tones of the principal buildings,

Address,

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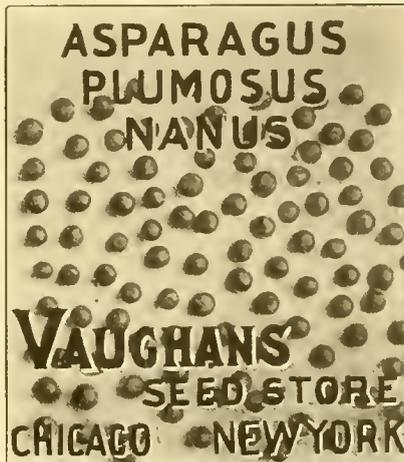
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NEW CROP. GREENHOUSE GROWN SEED.

SPECIAL PRICE FOR THE NEXT TEN DAYS.
Per 1000 Seeds, \$6. 10,000 Seeds, \$55.
2 per cent cash with order.

The most profitable plant a florist can grow. Can be
started every month and SELLS EVERY
DAY IN THE YEAR.

Asparagus Plumosus Robustus, 100 seeds, \$1.00;
1000 seeds, \$10.00
Scandone Dolloxus, 100 seeds, \$1.25.

ASTER, Truffaut's Peony-Flowerad, white, pink,
rose, scarlet, light blue, dark blue, crimson,
each, trade pkt., 20c; ¼ oz., 35c; oz., \$1.20.

Victoria, white, pink, scarlet, light blue, dark
blue, crimson, each, trade pkt., 25c; ¼ oz., 50c;
oz., \$1.75. Mixed, trade pkt., 25c; oz., \$1.20.

Hohenzollern, white, trade pkt., 25c; ¼ oz.,
65c; oz., \$2.50.

Hohenzollern, Extra Early White, trade pkt.,
25c; ¼ oz., 70c.

Branching or Simple, white, rose, pink, laven-
der, Daybreak pink, red, purple, light blue,
each, trade pkt., 10c; ¼ oz., 20c; oz., 60c.

Upright Branching, white or pink, each, trade
pkt., 10c; ¼ oz., 25c; oz., 65c.

Branching, "Special White," trade pkt., 15c;
¼ oz., 30c; oz., \$1.00.

Giant Comet, white, rose, lavender, light blue,
dark blue, crimson, each, trade pkt., 15c; ¼ oz.,
30c; oz., \$1.20.

Queen of the Market, white, pink, scarlet,
light blue, dark blue, each, trade pkt., 10c;
¼ oz., 20c; oz., 50c.

Calla, Devoniensis, new, blooms in 12 months,
100 seeds, 75c.; 1000 seeds, \$6.00.

Daisy, Shasta, 1-32 oz., 65c; trade pkt., 30c.

Sweet Peas, Emily Henderson, ¼-lb., 10c; 1b.,
20c; 5 lbs., 90c.

Extra Early Blanche Ferry, ¼-lb., 10c; 1b., 20c;
5 lbs., 90c.

Salopian, ¼-lb., 10c; 1b., 25c; 5 lbs., \$1.00.

Blanche Ferry, ¼-lb., 10c; 1b., 20c; 5 lbs., 90c.

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Please mention the American Florist when writing.



Dreer's Aquatic Plants.

HARDY AND TENDER WATER LILIES, NELUM-
BIUMS, VICTORIAS, ETC.

We are the headquarters for this class of plants and
carry the largest and most complete assortment. Our
collection embraces all the well known standard varieties,
also the most desirable American and Foreign novelties.

We will gladly give practical advice to those who con-
template using these plants.

HENRY A. DREER, Philadelphia, Pa.

Asparagus Plumosus Seed.

SOUND and PLUMP GREENHOUSE GROWN, 75c per 100; \$6.00 per 1000.

CYCAS STEMS, weighing 1 to 6 pounds each..... \$3.00 per 100 pounds; 300 pounds, \$21.00

HARDY ROSES. All leading sorts 2-year-old, \$11.00 per 100; \$100.00 per 1000.

ARTHUR T. BODDINGTON, 35 Warren Street, NEW YORK.

Please mention the American Florist when writing.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

BRIDGEPORT, CONN.—Stephen D. Horan has been appointed superintendent of parks.

THE annual convention of the American Association of Nurserymen will be held at Atlanta, Ga., June 22-24 inclusive.

NEWPORT, R. I.—The work of scraping the trees on private estates to guard against the elm beetle is quite general this season.

JACKSON DAWSON recommends as a list of the most satisfactory of the single-flowered hardy roses, R. blanda, lucida, lucida alba, nitida, setigera, repens, alpina, cinnamomea, provincialis, spinosissima, rugosa, multiflora, Wichuraiana, sulphurea and Arkansana.

CLEMATIS APIFOLIA, introduced by the Arnold Arboretum, is a good companion for C. Virginiana and C. paniculata, and materially extends the clematis blooming time. Clematis Mongolica, a semi-herbaceous species, three to four feet high is recommended by Mr. Dawson as a good subject for Easter forcing.

Effects of the Severe Winter.

Not for a generation, possibly not for two generations, has a winter been experienced in the northeastern states of equal severity with that just passed through. The results are evident in the brown and shriveled leaves of rhododendrons, boxes and similar broad-leaved evergreens and the browned foliage of conifers heretofore regarded as reliably hardy. As usual in phenomenal seasons, varying and oftentimes mystifying conditions are noted. In the vicinity of New York, for instance, the retinisporas are as a rule intact; R. obtusa and obtusa nana show some injury, but most of the well-known favorite species came through unscathed, whereas such supposedly immune subjects as Abies Nordmanniana and Abies Canadensis in some instances have their foliage as brown as though baked in an oven although the wood appears to be uninjured.

The pines are, almost without exception, in perfect condition. Pinus Bre-

veriana is severely scorched, but it is the exception. The junipers also appear to have withstood the test splendidly, and the thuyas generally are in as good condition as usual. Exceptions are T. occidentalis Lobbi atrovirens and T. o. Hoveyii, both of which have suffered severely. In the abies section we find A. pinsapo dead, A. Morinda in bad shape and A. magnifica glauca very dilapidated. A countata is safe. Picea pungens looks actually happy, without a scratch, and P. excelsa in all its forms is practically safe, although P. e. pumila nigra is more or less damaged. P. nigra is in perfect condition, as is also P. polita and P. Alcockiana. Taxus cuspidata is about half killed and T. baccata is almost annihilated in all its forms. T. tardiva is safe, but T. Hibernica is badly hurt or killed outright. Sciadopitys verticillata is slightly browned in isolated instances. Cedrus Atlantica glauca has lost all its foliage but appears to be alive in the wood. Podocarpus careanus is dead; Pseudotsuga Douglasii is unhurt. Buxus in all varieties has suffered terribly, most of the plants and hedges being as brown as an oak leaf in January. It is many years since these or Taxus haccata have suffered seriously from winter weather. Hedges of the latter nearly a quarter of a century old are killed which never before showed any indication of injury. Azalea amœna, Berberis Aquifolium, Leucothoe Catesbaei, Calluna vulgaris and similar low-growing subjects were fortunately favored by the deep snow, and where well-covered by the drifts have come through the siege in unusually fine shape. Most of the rhododendrons show marks of the havoc, buds and foliage being completely killed not only in varieties of doubtful hardiness, but in many of those hitherto regarded as of unquestioned reliability. The full extent of the injury to these will not be known, however, until after blooming and growth begin. California privet has again demonstrated its manifest unfitness for use as a hedge plant north of Philadelphia. Far better in every way for this purpose is the cheery little Berberis Thunbergii, always reliable, always beautiful with its early verdure in spring, its graceful habit in summer, its glorious autumn foliage and its wealth of coral fruit all through the winter and spring months.

PLANT NOW Crimson Rambler Roses, 3 to 4 feet, fine, \$2.50 per dozen. Clematis, Jackmaui, 2-year, \$2.50 per doz.; Paniculata, 2-year, 75c per doz. Double Pæonias, white and pink, \$1.25 per doz. Vinca Major Var., 4-inch, 8c; 3-inch, 5c. Single Pæonias, 75c per doz. Boston Ferns, 4-inch, 8c; 2½-inch, 3c. Piersoni, 3-inch, 12c. Ampelopsis Veitchii, 2-year, field-grown, \$6.00 per 100. Pot-grown, dormant, \$4.00 per 100. Cannas, best named, \$2.00 per 100. 50,000 Carnations, from flats and general bedding stock. Send for list.
BENJ. CONNELL, West Grove, Pa.
Please mention the American Florist when writing.

W. VAN KLEEF, JR.,
Representing W. VAN KLEEF & SON,
BOSKOOP, HOLLAND.

Wholesale Growers of Nursery Stock, is now in this country visiting the trade. He will remain until the end of April. All correspondence intended for him should be directed to him in care of Maltus & Ware, 136 Water Street, New York. Send for our complete catalogue and price list.

A. W. SMITH'S HYBRID MOON VINES

Ipomœa Noctiflora, 2½-inch pots, \$5.00 per 100.

GODFREY ASCHMANN,
1012 Ontario St., PHILADELPHIA, PA.

NATIVE PERENNIALS

FOR PARK AND GARDEN.

Rosa Carolina, Asclepias Helenum, Lobelia Cardinalis, Lythrum Salicaria, Thalictrum, Iris, etc. Price list sent on application.

Shatemuc Nurseries,
BARRYTOWN, Dutchess Co., N. Y.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilies, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raffle, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.
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J. DIJKHUIS & CO.

BOSKOOP-HOLLAND.

QUALITY. QUANTITY.

Ask our prices for AZALEAS, RHODODENDRONS, PEONIES, ROSES, HARDY EVERGREENS, CLEMATIS, Etc.

Price List Free on Application.
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2,500 Norway,

Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in. At bottom prices.

J. J. STYER, Concordville, Pa.
Please mention the American Florist when writing.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.
Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.
Please mention the American Florist when writing.

California Privet.

Per 1000
25,000, 2½ to 3½ ft., very bushy..... \$25.00
25,000, 2 to 2½ ft., bushy..... 20.00
25,000, 18 to 24 in..... 16.00
20,000, **Canna Roots**, mixed, best sorts..... 12.00
5,000, **Golden Elder**, 2-yr., strong..... 60.00
All orders are for cash.

W. G. EISELE, West End, N. J.
Please mention the American Florist when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

☐; HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

DO IT NOW.

Invest a little cash in the New Canna **EMIL WIELAND.** The best scarlet Canna yet produced.

IT IS A WINNER

And will grow into a Money Maker. 35c each; \$3.00 per 10; \$25.00 per 100.

PHOENIX NURSERY CO., Bloomington, Ill.

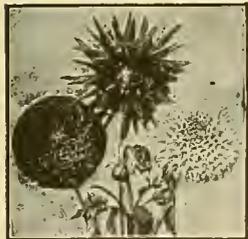
SOLE DISTRIBUTORS FOR U. S. AND CANADA.

LOUIS LEROY, ANGERS, (FRANCE)
OVER 1000 ACRES OF FINEST CULTURES.
M. KOSTER & SONS, BOSKOOP, (HOLLAND)
REPRESENTING BEST WHOLESALE EUROPEAN NURSERIES.
SEEDLING STOCK, SHRUBS, ORNAMENTAL TREES, EVERGREENS, FORCING PLANTS.
SUPERIOR QUALITY, GRADING AND PACKING.
SATISFACTION GUARANTEED.
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J. F. MULLER NURSERY, Rellingen, (Germany).
FINEST RAFFIA AND TREE SEEDS.

We Advise All Our Old Customers To Place
Memorial Day Orders for
Grandiflora Cape
Jessamine Buds

As early as possible. Have made large contracts for World's Fair Supply all through May, but with provision that florists' orders are first protected whether from new or old customers. Our reputation for promptness and good stock is established from ocean to ocean. 10 to 500 references in every state. Probable blooming period May 5th to June 10th. Prices, 75c per 100; \$6.50 per 1000. 500 at 1000 rate.

C. W. BENSON, - Alvin, Tex.



Dahlias

Mrs. Winters
 The World's Best White Dahlia.
 \$18.00 per 100.

Ingeborg Egeland, the best scarlet cactus, \$5.00 per doz.

Other novelties and standards. Gladioli and hardy plants. Send for catalogue before ordering.

W. W. WILMORE, The Dahlia Specialist.
 Box 382, DENVER, COLO.

CANNAS

DORMANT ROOTS.

We still have a few 1000 Cannas of the best varieties from \$1.00 per 100 up. **KENTIA BEL-MOREANA**, 3-inch, \$1.50 per doz.; 4-inch, extra fine stock, \$3.00 per doz. **VINCA VARIEGATA**, extra strong, \$8.00 per 100.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

Look, Think, Buy.

- Sprenger, from seed box..... Per 100 1000
- English Ivy, 2-inch pots..... \$1.00 \$8.00
- Vines, 4-inch pots, strong..... 1.50 12.00
- Maderia, vine roots..... 5.00
- Early Gem and Mammoth Sugar Corn..... 1.00
-\$4.00 per bu.

F. Walker & CO., Box 316, New Albany, Ind

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When you write to an advertiser.

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NAARDEN and BOSKOOP, HOLLAND,
 Growers of Pot-grown Forcing Plants, Roses, Valley, Spiræas, Evergreens and all kinds of Ornamental Nursery Stock.

Ask for price list and let us estimate on your list of wants. Address till June 1st, **JACS. SMITS,** care Maltus & Ware, 136 Water St., New York.

AZALEA AMOENA.

From open ground, 1 ft., per 100.....\$25.00
 1-yr. plants from 2½-in. pots, per 100, 10.00

SAMUEL C. MOON,
 MORRISVILLE, PA.

ENGLISH IVY PLANTS.

1,000 Extra Strong bushy plants 4 feet high, \$15.00 per 100; \$2.25 per dozen.
 100 Extra Fine, 8 foot plants, \$4.00 per dozen.
 Lemon Verbenas, 2-in. pots, \$3.00 per 100.

JOHN RECK & SON, Bridgeport, Conn.
 Please mention the American Florist when writing.

CLEMATIS.

Large flowering, 6 distinct kinds, per doz., \$2.00; per 100, \$16.00. Will bloom for spring sales if potted now. **PEONIES**, 10 choice, distinct kinds for florists, three whites, early, medium, late, \$1.50 per doz.; \$10.00 100. **H. P. ROSES**, dormant, own roots, \$1.50 per doz; \$12.00 per 100. **CLEMATIS PANICULATA**, 2 and 3 year, \$1.00 per doz. **F. A. BALLER, Bloomington, Ill.**

THREE NEW CANNAS.

Hon. W. R. Hearst, large, free bloomer; scarlet, mottled and edged with golden yellow; outside of petals almost pure yellow; first in bloom. **Senator Hanna**, large flower; pure orange, tinged with golden yellow. **Mrs. John A. Logan**, vigorous grower scarlet, with broad yellow golden border; resembles Queen Charlotte.

ANY OF THE ABOVE \$1.00 EACH, CASH.
H. D. SEELE, Canna Specialist, Elkhart, Ind.

SPECIAL OFFER

LILIES — CLEMATIS

Lilium Auratum bulbs, sound and in prime condition. Per 100 1000
 Good sized bulbs..... \$5.00 \$45.00
 Large bulbs..... 6.00 50.00

CLEMATIS. Home-grown plants in good condition. Per 100
Jackmani, 2-year old, medium..... \$12.00
 1-year, medium..... 8.00
Henryii, 2-year old, medium..... 13.00
 1-year old, medium..... 10.00
Mme. Ed. Andre, 2-year old, medium..... 14.00
 1-year old, medium..... 10.00

WANT 200 PLANTS KUMQUAT ORANGE.

V. H. HALLOCK & SON, QUEENS, N. Y.
 Please mention the American Florist when writing.

CALIFORNIA PRIVET.

Per 1000
 200,000 2 yrs., 2 to 2½ ft., very bushy..... \$20.00
 150,000 2 yrs., 18 to 24 in., very bushy..... 16.00
 100,000 2 yrs., 12 to 18 in., very bushy..... 10.00
 200,000 1 yr., 12 to 18 in., branched..... 9.00
 200,000 1 yr., 10 to 12 in., branched..... 7.00
 100,000 Cuttings, 8 in., strong..... .80
 100,000 Cuttings, 8 in., light..... .60

Also have 10,000 **Canna Roots** in ten leading varieties from 75c to \$1.00 per 100. 2,000 Double Grant **Geraniums** from 2½-inch pots, \$2.00 per 100. Write for trade list.

J. H. O'HACAN, Little Silver, N. J.
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Send to **THE MOON**
Company
 For { Trees, Shrubs, Vines
 Your } and Small Fruits.
 Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
 Morrisville, Pa.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

The daffodil's a dainty thing,
The snowdrop is a welcome guest,
But of all the flowers that bloom in spring
I love the home run best.

—Newark News.

At Chicago.

The weekly games of the Florists' Club bowlers continue at the Geroux alleys with unabated interest. It will soon be time for the managers to sift out from the material at hand the team that will represent Chicago at St. Louis in August. P. J. Hauswirth has issued a call to all members of the club interested in bowling to meet Tuesday evening, April 26, at 8 o'clock at the Geroux alleys, 170 Madison street, for the purpose of discussing ways and means and of making more definite arrangements as to the final selection of the representative team. The following were the scores of the last session:

Player	1st	2d	3d	TOT
Stevens	186	213	196	595
Asmus	164	148	190	502
Hauswirth	132	168	166	466
Balluff	143	176	141	460
G. Scott	151	148	148	447
F. Stollery	130	163	150	443
L. Winterson	156	127	142	425
Degnan	141	140	129	410
Benesh	116	102	108	326
E. Winterson	67	172	239	
Ford	100	115	215	
Hoyt		132	132	

LADIES.

Player	1st	2nd	3d
Mrs. Asmus	120	85	81
Mrs. Winterson	123	102	119
Mrs. Hauswirth	106	94	91
Mrs. Stollery	75	31	79
Mrs. Balluff	96	33	97
Mrs. Atwerp	149	159	12
Mrs. Scott	77	81	72

Newport, R. I.

The weather has turned cold, and all outdoor work and planting is again postponed. The ground has frozen hard every night and ice has formed some nights to the thickness of an inch. Last Thursday it snowed most of the day; again on Saturday snow fell. It has been very raw and the thermometer low for so late in the season; night after night there has been from 3° to 6° of frost, the glass dropping as low as 26° above. And it is getting near the first of May—a discouraging prospect surely. The season is fully six good weeks late in Rhode Island, and even now it does not show any indication of warmer days. What few sweet peas, potatoes and early seeds have been planted would be better out of the ground than in. It was a strange sight in the snow storm to see farmers planting potatoes, when everything was covered thickly with snow. We need some warm days to start things along; as it is now, outdoor work is at a standstill.

Vegetable plants for earliest setting are not over plentiful, especially Early Jersey Wakefield and other summer cabbages. Cauliflower and lettuce plants as yet sell slow, it is so cold. Dealers pay the growers as follows for the early plants: Cabbage \$4.50, cauliflower \$10 and lettuce \$5 per thousand. The plants retail as

follows: Cabbage 15 cents per dozen, 75 cents per hundred; cauliflower 25 cents per dozen, \$1.75 per hundred and lettuce the same as cabbage.

A visitor this week was G. J. van Tusenbroek, for Messrs. C. Keur & Sons, bulb growers and nurserymen, Hillegom, Holland, who report orders for bulbs being placed quite freely. A. H. Hews & Company, North Cambridge, Mass., were represented by L. D. Bryant. Benjamin Hammond, Fishkill-on-Hudson, N. Y., presented "Slug Shot" to us through Robert C. Whitehill. Many summer people were also here inspecting their estates.

The beautiful estate of E. J. Berwind is still being added to in the matter of shrubbery. Several carloads of hearty rhododendrons, azaleas and box trees will be added this spring to the borders under the able direction of Bruce Butterson, the head gardener.

Carl Jurgens and wife, who usually pass the winter in Bermuda, have not been away this season until now. They have gone south for a three or four weeks' rest and will visit Florida before they return.

George Westland, formerly gardener for Commodore Lewis Cass Ledyard at "Bay View," has gone to Cambridge, Mass., to take charge of the greenhouses and shrubbery for Mount Auburn cemetery.

R. J. Grinnell has begun selling his geraniums of which he has as usual a large quantity. He is wholesaling them at \$5 per hundred without, and \$6 per hundred with the 3/8-inch pots in which they are.

Miss Ellen F. Mason at her new villa on Rhode Island avenue is having made an Italian garden. There will be a lily pond with a fountain in the center. A lot of herbaceous stock will be used.

Hitchings & Company of New York have recently built a fine greenhouse for R. L. Beekman and are now at work on two more, one for Miss Alice Keteltas and the other for J. A. Godman.

Some large terra cotta vases have arrived for Mrs. W. S. Wells' estate and will be placed on the lawn between the trees. Workmen are now excavating for the foundations for them.

The Jamestown Golf and County club is getting its links and putting greens in order for the coming season's play, fertilizing the whole property and reseeding where necessary.

The private gardeners are getting their hydrangeas into shape for the season.

Many of them are using alum, rusty nails and other ways to make them color well.

The Park department is engaged in sodding worn places in the public squares and also uncovering the beds of bulbs in the hope that warm weather is near.

Mrs. Burke-Roche is having a large tract sown down to timothy and red top grasses at her stock farm. She has some beautiful horses.

William B. Scott & Company's old building is being moved away, and they will at once commence building their new seed store.

Thomas Galvin is advertising this week a choice lot of evergreens and deciduous trees at his Harrison avenue nursery.

Mr. Bond, head gardener for Mrs. H. M. Brooks at "Rockhurst," has some elegant white stocks in bloom. X.

New Bedford, Mass.

Easter trade was fully equal to last year. If it had not been for a hard rain-storm Friday it would have been much better than last year. Plants of all kinds sold well, with the exception of azaleas. Bulb stock was in large supply and quite a lot was left over. There was a good sale of cut flowers, especially carnations and violets, at about last year's prices.

The Horticultural Society met April 12. Four new members were elected. Mr. Alexander, of Bridgewater, gave a talk on dahlias. Henry Dennison, a coal merchant, offers two silver cups as premiums for dahlias at the fall show, one cup to professionals for the best sixty varieties of dahlias and one cup to amateurs for the best sixty varieties. New Bedford is dahlia crazy. A. B. H.

Oceanic, N. J.

The regular monthly meeting of the Monmouth County Horticultural Society was held here April 15. The following committees were appointed:

Exhibition, Geo. Hale, A. G. Williams, W. W. Kennedy, N. Butterbach, James Dowlen and H. A. Kettel.

Executive, C. H. Walling, G. R. Kuhm, John Yoemas, W. H. Griffiths, N. Butterbach.

Investigating, Horace Longstreet, John Kennedy and H. A. Kettel.

The discussion of the evening was on "Chrysanthemums." George H. Hale showed a vase of very fine amaryllis scoring 100 points and Wm. Turner showed some excellent melons, receiving 100 points. The judges of the evening were N. Butterbach, A. G. Williams and W. W. Kennedy.

WILL TAKE 1st or 2nd PRIZE

St. Louis World's Fair.

A design worker who has taken fifteen of the first or second prizes at the largest Expositions of the World wishes to correspond with any Florist who is willing to employ him for 14 days at the St. Louis Exposition in competition for prizes on floral designs. Will work the week previous with Florist and pay own expenses to show samples of work. Will advance \$300.00 security as a guarantee that he will take either first or second prize at the Show. Excellent references. Address

JOSEPH KRULL,

Care of A. W. SMITH, 345 Sixth Avenue, Pittsburg, Pa.

100,000 Grafted Rose Plants

We are now grafting on Manetti the above amount on all selected flowering wood. No Blind wood used at all. We offer for sale ready for delivery April 1st.

BRIDE AND BRIDESMAID, \$12.00 per 100; \$100.00 per 1000.
LIBERTY, \$15.00 per 100.

It you wish to grow better grade roses, give grafted stock a trial.

ROOTED CUTTINGS. The Very Best Commercial Varieties.

All of our cuttings are selected carefully and we try to see how good we can make them, not how cheap.

ROSES ROOTED CUTTINGS, Brides, Bridesmaids and Gates, \$1.50 per 100. Kaiserin*and Perle, \$2.50 per 100.
CHATENAY ROSE PLANTS, 2½-inch pots, \$6.00 per 100; \$50.00 per 1000. Ready March 1.

CARNATIONS ROOTED CUTTINGS

WHITE.		PINK.		RED.	
Per 100	Per 1000	Per 100	Per 1000	Per 100	Per 1000
Lillian Pond.....	\$3.50 \$30.00	Lawson.....	\$2.50 \$20.00	Red Bradt.....	\$2.50 \$20.00
Gov. Wolcott.....	3 50 30.00	Morning Glory.....	2.50 20.00	Crane.....	2.50 20.00
White Bradt.....	2.50 20.00	Floriana.....	2.50 20.00	America.....	2.50 20.00
White Cloud.....	2 50 20.00	Enchaetress.....	6.00 50.00	VARIEGATED.	
Norway.....	2.50 20.00	Joost.....	2.50 20.00	Prosperity.....	2.50 20.00
				Mrs. Bradt.....	2.50 20.00

Yellow—Gold Nugget, \$2.50 per 100; \$20.00 per 1000. Maroon—Maceo, \$2.50 per 100; \$20.00 per 1000. Orders aggregating 250 or more will be billed at the 1000 rate. No order for less than 50 of one variety accepted. All cuttings and plants shipped from Hinsdale.

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

ROSE PLANTS. STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

	Per 100	1000		Per 100	1000
AMERICAN BEAUTY.....	\$5.00	\$50.00	MAID.....	\$3.00	\$25.00
MME. CHATENAY.....	6.00	50.00	BRIDE.....	3.00	25.00
SUNRISE.....	5.00	40.00	PERLE.....	3.00	25.00
KAISERIN.....	3.00	25.00	GOLDEN GATE.....	3.00	25.00
LIBERTY.....	5.00	40.00	IVORY.....	3.00	25.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		WHITE.	
Per 100	1000	Per 100	1000
MRS. LAWSON.....	\$1.50 \$12.50	MURPHY'S WHITE.....	\$3.00 25.00
MRS. E. A. NELSON.....	2.00 18.00	FLORA HILL.....	1.25 10.00
GUARDIAN ANGEL.....	1.25 10.00	WHITE CLOUD.....	1.25 10.00
MRS. HIGINBOTHAM.....	2.00 15.00	PERU.....	1.25 10.00
SYBIL.....	3.00 25.00	QUEEN LOUISE.....	1.25 10.00
McKINLEY.....	3.00 25.00	NORWAY.....	1.25 10.00
JOOST.....	1.25 10.00	MARION.....	1.25 10.00
		GOV. LOWNDES.....	3.00 25.00
RED.		VARIEGATED.	
ESTELLE.....	2.50 20.00	MRS. BRADT.....	2.00 15.00
MRS. INE.....	1.25 10.00		
CHICAGO (Red Bradt).....	2.00 15.00		
HARLOWARDEN.....	3.00 25.00		
ROOSEVELT.....	3.00 25.00		

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

National Florists' Board of Trade,
Office: 56 Pine Street, New York

Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. **Special Reports.** We make a specialty of this part of our work. **Collections.** We collect slow and doubtful accounts. Why not go through your books at once, and send us all the claims that are in arrears?

It is good business policy to mention

The....
AMERICAN FLORIST
When you write to an advertiser.

Cardinal NEW ROSES Enchanter

CARDINAL. A robust grower with massive red flowers. First-class winter bloomer. Perfectly hardy.

ENCHANTER. The most prolific winter bloomer. Every shoot produces a flower of a beautiful Testout color. Never gets off color.

—Price of both varieties, \$30.00 per 100; \$6.00 per dozen. CASH WITH ORDER.—

JOHN COOK, 318 N. Charles Street, Baltimore, Md.

CHOICE GRAFTED

ROSES

On Extra Selected English Manetti Stock. Ready April 1st.

BRIDE, MAIDESMAID, GOLDEN GATE, IVORY, FRANZ DEEGAN, } 2½-inch pots.
 \$12 per 100;
 \$100 per 1000.
 \$18 per 100.

S. J. REUTER,
 WESTERLY, R. I.

Please mention the American Florist when writing.

Roses. We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2x2½	2½x3	3x3
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Brides.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	LaFrance.....	2.00	3.00	4.00	6.00
8	Kaiserin.....	2.00	3.00	4.00	6.00
9	Woottons.....	2.00	3.00	4.00	6.00
10	Bell Siebrecht.....	2.00	3.00	4.00	6.00
11	President Carnot.....	2.00	3.00	4.00	6.00
12	American Beauties.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

MISCELLANEOUS STOCK. Geraniums, in red, white, pink, salmon, Mme. Sallerol, rose. Alternantheras, red and yellow. Cannas, Coleus, Fuchsias, Begonias, Flowering and Rex, Sweet Alyssum, Feverfew, Cuphea, Lantanas, Cobea Scandens, Ageratum, Pansies, Verbenas, Salvias, Vincas, Lilies nearly all summer and Small Ferns for Fern Dishes. **GEO. A. KUHL, Pekin, Ill.**

Grafted Roses

LIBERTY, BRIDESMAID, BRIDE and GOLDEN GATE.

BEAUTIES ON OWN ROOTS.

Only the best English Manetti used, and plants are strong and vigorous, with abundant roots. Ready now to ship or repot into 3½-inch pots.

ROBERT SIMPSON,
 CLIFTON, N. J.

AMERICAN BEAUTIES.

Fine, strong, 3-inch stock, ready to plant, \$3.00 per 100. You will like this stock.

BOSTON FERNS.

Large Stock. Low Prices. Ready to Retail. Per 100
 2½-inch..... \$ 4.00
 3-inch..... 8.00
 4-inch..... 12.00
 5-inch..... 25.00
 6-inch..... 40.00
 Please note special low prices on smaller sizes.

W. H. CULLETT & SONS, Lincoln, Ill.

American Beauty.

From bench, 1-year-old, cut back, \$10.00 per 100; \$90.00 per 1000. American Beauty, 2½-in. pots, \$5.00 per 100.

Bride, Bridesmaid, Golden Gate, } 2 x 2½-inch pots, \$3.00 per 100;
 \$25.00 per 1000.
 Forget-me-nots, 2½-inch, \$3.00 per 100.

RHOTEN BROS. & CO., Box 5, Danville, Ill.

Rose Plants

BRIDE and BRIDESMAID, from 2½-in. pots, \$8.50 per 100; \$30.00 per 1000; from carefully selected wood—worth the price.

L. B. CODDINGTON, Murray Hill, N. J.



American Beauties

{ Fine Stock from } 2½-inch pots, \$5.00 per 100.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROTHERS, New Castle, Ind.

South Park Floral Company.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
 PAINESVILLE, O. SUMMIT, N. J.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, METEOR, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

New Carnation LOUISE NAUMANN.

Dark pink, fully as large as Lawson and over. True color. The best money maker. From soil, \$1.25 per dozen; \$8.00 per hundred. Speak quick. Cash with order. **G. M. NAUMANN, 1537 Doan St., Cleveland, O.**

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100; \$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimson. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEBENS, L. I.
Please mention the American Florist when writing.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100	Per 1000
Flamingo, fine scarlet.....	\$3.00	\$12.00	
Mrs. M. A. Patten, fine variegated....	3.00	12.00	
Crusader, scarlet.....	2.00	10.00	
Reliance, white.....	2.00	10.00	

	Per 100	1000
Harlowarden, best crimson.....	\$5.00	\$40.00
Governor Lowndes, finest white....	6.00	50.00
Genevieve Lord.....	2.50	20.00
Mrs. E. A. Nelson.....	3.00	30.00
Norway.....	2.50	20.00

	Per 100	1000	Per 100	1000	
Prosperity.....	\$3.00	\$25.00	Estelle.....	\$3.00	\$25.00
Lorna.....	2.00		Mrs. R'velt.....	4.00	35.00
Sibyl.....	4.00	30.00	Fair Maid.....	3.00	25.00
Lillian Pond.....	4.00	35.00	Gov. Wolcott.....	4.00	35.00

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

Please mention the American Florist when writing.

STRONG, CLEAN AND HEALTHY

CARNATIONS.

FROM 2 1-4-INCH POTS.

	Per 100	1000	White.	Per 100	1000
Josel.....	\$2.00	\$18.00	Flora Hill.....	\$2.00	\$18.00
Marquis.....	2.00	18.00	Innocence.....	2.50	
Dorothy.....	2.50		Glacier.....	2.25	20.00
Scarlet.....			Her Majesty.....	4.00	
Crane.....	2.50	22.50	Variegated.		
			Prosperity.....	2.00	18.00

CASH.

The W. T. BUCKLEY PLANT CO.,
SPRINGFIELD, ILL.

Please mention the American Florist when writing.

Carnations.

From 2-inch pots. Very fine, well branched.

	Per 100	1000
THE QUEEN.....	\$6.00	\$50.00
LILLIAN POND.....	4.00	35.00
PRES. McKINLEY.....	4.00	

LARCHMONT NURSERIES

Larchmont, N. Y.

Please mention the American Florist when writing.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

	Cuttings per 100	Cuttings per 1000	2-in. pot pnts 100		Cuttings per 100	Cuttings per 1000	2-in. pot pnts 100
WHITE.				YELLOW.			
Timothy Eaton.....	\$2.00	\$15.00	\$3.00	Col. Appleton.....	1.50	12.50	2.00
Chadwick.....	2.00	15.00	3.00	Major Bonnaffon.....	1.50	12.50	2.00
White Bonnaffon.....	1.50	12.50	2.00	Yellow Mayflower.....	1.50		2.00
Wanamaker.....	1.50	12.50	2.00	Omega.....	1.50		2.00
Geo. S. Kalb.....	1.50	12.50	2.00	PINK.			
Estelle.....	1.50	12.50	2.00	Wm. Duckham.....	25.00		
Robinson.....	1.50	12.50	2.00	Mrs. Murdoch.....	1.50	12.50	2.00
Ivory.....	1.50	12.50	2.00	Vivian-Morel.....	1.50	12.50	2.00
Merry Xmas.....	1.50	12.50	2.00	Mme. Perrin.....	1.50	12.50	2.00
Polly Rogers.....	1.50		2.00	Pacific.....	1.50	12.50	2.00
White Mayflower.....	1.50		2.00	M. Newell.....	1.50		
YELLOW				Richardson.....	1.50		
Golden Wedding.....	1.50	12.50	2.00	Lavender Queen.....	1.50		
Golden Beauty.....	1.50	12.50	2.00	J. K. Shaw.....	1.50		
October Sunshine.....	1.50	12.50	2.00	RED.			
				Oakland.....	1.50		2.00

ROSE PLANTS.

In 2 1/2-inch pots.	Per 100	1000	In 2 1/2-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.

51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

CARNATIONS.

2 1/2-inch Gov. Wolcott, Lillian Pond, Apollo, Harlowarden, \$4.00 per 100. 2 1/2-inch Prosperity, Lorna, Palmer, Lawson, Mary Wood, Roosevelt, \$3.00 per 100. F. Hill, Josel, \$2.50 per 100.

ROSES

2 1/2-inch Bridesmaid, Bride, Gate, \$30.00 per 1000; \$3.50 per 100. 2 1/2-inch Chatenay, \$50.00 per 1000; \$6.00 per 100.

Cut back 2-year-old Beauties, Maids, Brides and Gates, prices on application.

Chrysanthemums.

	Cuttings 2 1/2-in. pot per 100	per 1000		Cuttings 2 1/2-in. pot per 100	per 1000
WHITE			YELLOW		
Willowbrook.....	\$1.50	\$2.50	Sunshine.....	1.50	2.50
Estelle.....	1.50	2.50	Yellow Jones.....	2.00	3.00
Geo. S. Kalb.....	1.50	2.50	Yellow Eaton.....	2.50	4.00
Timothy Eaton.....	2.00	3.00	Pennsylvania.....	2.00	3.00
Merry Christmas.....	1.50	2.50	Golden Wedding.....	2.00	3.00
Wanamaker.....	1.50	2.50	Gold Mine.....	2.50	3.50
Robinson.....	1.50	2.50	Mourovta.....	2.00	3.00
Chadwick.....	2.50	4.00	Nagoya.....	3.00	3.00
Fitzwygram.....	2.00	3.50	Chautauqua Gold.....	2.00	3.50
White Bonnaffon.....	2.00	3.00	Robert Halliday.....	1.50	2.50
Crawford.....	2.00	3.00	Eclipse.....	2.50	4.00
Ivory.....	1.50	2.50	PINK		
Jones.....	1.50	2.50	Murdock, Perrin, Morel, Pacific.....	1.50	2.50
YELLOW			Coombs, Shaw, Liger, Xeno, M. Dean, Richardson, Quito.....	2.00	3.00
Bonnaffon.....	1.50	2.50	Duckham, Sensational Pink.....	25.00	30.00
Appleton.....	1.50	2.50	RED		
E. D. Smith.....	1.50	2.50	Childs, Intensity, Schrimpton.....	2.00	3.00
Omega.....	1.50	2.50	BRONZE		
Whildio.....	1.50	2.50	Lady Hanham.....	2.00	3.00
Parr.....	1.50	2.50			

Headquarters for Finest Cut Roses and Carnations. Shipments made direct from Greenhouses or Store.

POEHLMANN BROS., Morton Grove, COOK COUNTY, Ill.

Please mention the American Florist when writing.

GRAFTED ROSES On Dickson's Irish Manetti Stock.

Plants from 2 1/2-inch pots, \$12.00 per 100; \$100.00 per 1000.

KAISERINS—(Now ready.) BRIDES and BRIDESMAIDS. Order now as stock is limited.

AMERICAN BEAUTY ROSES, own root, strong plants from 2 1/2-inch pots, now ready. \$6.00 per 100; \$50.00 per 1000.

GARDENIAS. Strong plants from 2 1/2-inch pots for growing on for winter blooming. \$6.00 per 100.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Davenport, Ia.

An enthusiastic meeting of the Tri-City Florists' Club was held the evening of April 14 at Odd Fellows' hall, Davenport. A committee appointed to draw up a constitution and by-laws made its report and the report was accepted by the society. These new members were taken into the club: Wm. Knees of Moline, and George Farber and Harry Campbell of Davenport. It was decided to hold the next regular meeting at Rock Island and to have a programme of papers on various horticultural subjects. The total membership of the club is now nineteen and it is hoped that all of the Tri-City florists can be secured as members within a short time. After the business of the evening was ended refreshments were served (the kind that made Milwaukee famous) and speeches were made by different members. Wm. Knees for the evening was toast-master, speaker and joker. If any one wants to see Mr. Knees smile just ask him how he likes drinking out of a fish-bowl.

Frank Ewoltdt of Ewoltdt Brothers who had his skull fractured at the World's Fair grounds at St. Louis last December is just able to be about again.

Otto Klingbiel has material on his place for the erection of another greenhouse, which he will build at once.

This is one of the latest springs ever known here. It was 20° above with snow April 15.

Robt. Allison has sold his interest in the Allison, Littig Company to Victor Littig.

THEO. EWOLDT.

London, Ont.

After one of the most severe winters ever experienced here we are now having fine, bright weather; snow banks are yet to be seen in shady places and not many miles to the north there is still good sleighing. Owing to the uncertainty of the train service and, at times, complete blockades, trade throughout the surrounding country has not been up to its usual standard. We had looked forward for considerable increased Easter business, but the continued severity of the winter was still in evidence in many places and it was with extreme caution that buyers from these points placed their orders. Notwithstanding the handicap we are able to report a total business equal to last season. On the whole, prices probably were not quite as high as last year, with the exception, perhaps, of lilies which held fairly firm. All the growers in this section had their lilies in well on time and invariably all were of a superior quality; they sold at from ten to twelve cents per bud, wholesale, and retailed at twenty-five cents. It was noticeable that the demand for plants was far greater than that for cut flowers, but this may have been influenced somewhat on account of the weather, which on Saturday was decidedly unfavorable, raining and snowing alternately. It was noticeable that the demand for cut flowers ran rather to the lower or cheaper grades. Immense quantities of bulbous stock moved at normal prices while good roses and carnations were but sparingly called for.

FOREST CITY.

MELROSE, MASS.—E. A. Ormsby is suing G. W. Hunt of the Hub Ventilating Company, Boston, for alleged infringement of his patent covering greenhouse ventilators. The case is in the U. S. Circuit Court.

Carnations From Pots and Soil.

IF YOU ARE SHORT FOR YOUR FIELD PLANTING WE HAVE THE FOLLOWING CARNATIONS, EXTRA FINE. STRONG STOCK FOR PLANTING IN THE FIELD. Order Before They Are Gone.

	Per 100		Per 100
Crusader, 2-inch pots	\$8.00	Morning Glory, sand	\$2.00
Cressbrook, soil	2.50	Mrs. Joost, soil	1.50
Enchantress, soil	6.00	Mrs. A. E. Nelson, soil	3.00
Estelle, soil	3.00	Mrs. Potter Palmer, soil	2.50
Fragrance, 2-inch pots	5.00	Mrs. Theo. Roosevelt, soil	4.00
Genevieve Lord, soil	1.50	Mrs. Patten, 2-inch pots	10.00
Gov. Lowndes, soil	4.00	Norway, soil	1.50
Gov. Roosevelt, soil	3.00	Pres. McKinley, soil	3.00
Gov. Wolcott, soil	3.00	Prosperity, soil	2.00
Indianapolis, soil	10.00	Queen Louise, soil	1.50
Lady Bountiful, soil	12.00	The Belle, soil	10.00
Lillian Pond, soil	4.00		

DORMANT CANNAS. Strong 2-3 eyed bulbs. TRUE STOCK.

	Per 100		Per 100
Black Beauty	\$7.00	Mme. Louis Druz	\$ 2.50
Chas. Henderson	2.00	Mlle. Berat	2.50
Duke of Marlborough	2.00	Pennsylvania	5.00
David Harum	6.00	Red Indian	5.00
		Secretaire Chabanne	2.00

CHRYSANTHEMUM PLANTS 2 1/4-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow.		Omego, best early yellow.	
Timothy Eaton, mammoth white.		John K. Shaw, early bright pink.	
Major Bonnafon, yellow.		Yellow Mrs. Jerome Jones, bright lemon yellow.	
Mrs. Perrin, pink.		Ivory, early white.	
May Foster, white, fine for pot plants.		Miss Agnes L. Dalskov, early pink.	

CHOICE SORTS. Per 100

Estelle—Early white, good for cut flow- ers or pot plants	Per 100 \$4.00	Columbia—Pink, lighter than Morel	8.00
Marian Newell—Almost pure pink, very large	4.00	Mrs. J. J. Mitchell—Clear cream color	4.00
		Amorito—Bright satin pink, finely incurved	4.00

ROSES. Clothilde Soupert and Hermosa, 2-inch, at 3c; 2 1/2-inch, at 4c; 3-inch, at 6c; 4-inch at 10c.

New Century, grand new rose, 4-inch, per dozen..... \$1.50
Bedding Roses, in large quantity fine stock from 2 1/4-inch pots, per 100..... \$3.50

H. P. Roses, dormant 2-year old, per 100, \$11.00
 La France Mrs. John Laing
 Baroness Rothschild Mad. G. Luizet
 Magna Charta Ulrich Brunner
 Pæonie American Beauty

AMPELOPSIS VEITCHII, 3 to 4 feet, heavy, per doz..... \$2.00; per 100..... \$16.00
 2 to 3 feet, per 100..... 14.00

HARDY PHLOX, 25 named kinds, 2-inch pot plants from cuttings, make better plants than divided roots and bloom freely all summer. Per 100..... \$4.00; per 1000..... \$35.00

HYDRANGEA PANICULATA GRANDIFLORA, 3 feet, each. 12c; 18 in., per 100.. \$8.00
 Standards, per dozen..... 3.00

HYDRANGEA OTAKSA, strong 2 1/4-inch pots, per dozen..... 4.00

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

Rooted Carnation Cuttings.

PINK.	100	1000	RED.	100	1000
Mrs. Lawson	\$1.75	\$15.00	G. H. Crane	\$3.00	\$18.00
Mrs. Nelson	2.00	18.00	America	2.00	18.00
Guardian Angel	1.00	8.00	Palmer	2.00	18.00
Dorothy	1.50	12.50	ROOTED ROSE CUTTINGS.		
Mrs. Joost	1.00	8.00		100	1000
			Bridesmaid	\$1.50	\$12.50
WHITE.			Bride	1.50	12.50
Flora Hill	1.00	8.00	Golden Gate	1.50	12.50
White Cloud	1.25	10.00	Ivory	1.50	12.50
Queen Louise	1.25	12.00	2-INCH ROSE PLANTS. Per 100 1000		
LIGHT PINK.			Bridesmaid	\$3.00	\$25.00
Higinbotham	2.00	18.00	Bride, Perle	3.00	25.00
Prosperity	2.00	18.00	Golden Gate, Ivory	2.50	20.00
			American Beauty	5.00	
			3-inch PERLE rose plants, \$4.00 per 100; \$35.00 per 1000.		

If stock not satisfactory will refill or refund money. Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Loomis Floral Co., Rooted Carnation Cuttings

CARNATIONS,

Loomis, Cal. H. F. LITTLEFIELD, WORCESTER, MASS.

	Per 100
Enchantress	\$5.00
Queen	4.00
Pair Maid	2.50
Lawson	2.50

OUR DIRECTORY FOR 1904 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

15 Per Cent Discount on all orders to Clean Up Surplus for the next 60 days. Write me your wants at once.

STOCK PLANTS, ROOTED CUTTINGS and PLANTS in SMALL POTS.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 6th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT? Store No. 8 Post Office Arcade, BRIDGEPORT, CONN. Greenhouses, 2082 Park Ave. David S. Beach, Prop.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FDRSTERIANA PALMS, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100. BOSTON FERNS, 5-inch, \$30 per 100. REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100. DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100. ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100. BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100. ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100. PANSY, in bud, \$1.00 per 100. GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Salleroi, \$2.50 per 100. 3-inch, \$5.00 per 100. ROOTED CARNATION CUTTINGS, Queen Louise \$1.00; Crocker and Goodenough, \$1.00 per 100; 2-in. pots, \$2.00 per 100. GLADIOLUS BULBS, fine mixture, \$1.00 per 100. 2 1/2-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow Single and Double PETUNIA, HELIOTROPE, Golden Gate and Bridesmaid ROSES, DRACAENA INDIVISA, VERBENA, LEMON VERBENA, \$2.00 per 100. VINCA VAR., 2-inch, \$2.00; 3-inch, \$4.00 per 100. CASH OR C. O. D.

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

NEW PINK CHRYSANTHEMUM

AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/2 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y. Jamaica P. O., Woodhaven Station.

ROSES.

BRIDE, BRIDESMAID, 2-inch pots, ready to shift, \$3.00 per 100; \$25.00 per 1000.

VERBENAS.

Rooted Cuttings....75c per 100; \$ 5.00 per 1000 Pot Plants.....\$2.50 per 100; 20.00 per 1000

ACERATUM, Stella Gurney..... \$3.00 FEVERFEW, Little Gem..... 3.00 HELIOTROPE, Four Varieties..... 3 00 LOBELIA, Dwarf..... 2.50 SALVIA, Splendens and Clara Bedman..... 3.00 GERANIUMS, S. A. Nutt, 4-inch pots..... 9.00

H. S. COURTNEY, SPARKILL, N. Y.

BEGONIA GLOIRE DE LORRAINE, 2 1/2-inch pots, \$15.00 per 100.

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

THOMAS ROLAND, Nahant, Mass.

Many Electrotypes

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Folders, Circulars and Catalogues

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Asparagus, Carnations, Roses, Etc.

ASPARAGUS PLUMOSUS, Seedlings from flats at \$2.00 per 100.

ASPARAGUS SPRENGERI, \$2.50 per 100; 3-inch pots, \$3.50 per 100.

KENTIA BELMOREANA, strong bushy, 3-inch pot plants, \$12.00 per 100; 4-inch pot plants, 15 inches high, \$30.00 per 100.

COCOS WEDDELIANA, 3-inch pots; 10 inches high, \$15.00 per 100.

CARNATIONS.

Strong pot plants from selected cuttings. Per 100 Mrs. Lawson.....\$3.00 Queen Louise..... 2.50 White Cloud..... 2.50 Flora Hill..... 2.50

CARNATIONS.—Continued. Per 100 Dorothy..... 3.00 Gov. Roosevelt..... 3.00 Mrs. Higibotham..... 3.50 Prosperity..... 3.50

LEMON, American Wonder, \$3.00 per 100.

OTAHEITE ORANGE, \$3.00 per 100.

MOONFLOWER (Ipomea Grandiflora), \$3.00 per 100.

Headquarters for best stock of Dormant Hybrid Perpetual, Moss, Crimson Rambler and Tree or Standard Roses.

Rhododendrons, Azalea Mollis, Clematis and a full line of Hardy Shrubs, Vines and Plants.

—Catalogues and price lists free.—

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CRISIS

The BEST commercial scarlet Carnation on the market for 1905. Early and continuous bloomer. Color, the richest scarlet; blooms, three inches and over, and never bursts; stems, 24 to 30 inches long and very

stiff. We court investigation.

PRICES: \$2.00 DOZEN; \$12.00 PER HUNDRED; \$100.00 PER THOUSAND; \$95.00 PER THOUSAND IN FIVE THOUSAND LOTS.

BLOOMSBURG, PA., Mar. 18, 1904.

DAVIS Bros., Bloomsburg, Pa.—

Gentlemen:—Please book my order for 5,000 of your new red carnation "Crisis." I have watched this carnation for the last three years and I believe it is the best red carnation in cultivation to-day. I sold several thousand blooms of this variety for you last year. It proved to be a good shipper and always gave satisfaction.

Yours very respectfully,

J. L. DILLON.

DAVIS BROTHERS CO., Bloomsburg, Pa.

Carnations.

ROOTED CUTTINGS.

QUEEN LOUISE.....\$7.50 ETHEL CROCKER..... 7.50 LILLIAN POND.....20.00

Twenty others Send for list and end of the season prices.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

50,000 Well Rooted Carnations.

Cuttings now ready. Enchantress, \$6.00 per 100. Harlowarden, \$5.00 per 100. Lawson and Craoe, \$2.50 per 100; \$20.00 per 1000. Morning Glory, Glacier, Norway, \$2.00 per 100; \$15.00 per 1000. Flora Hill, White Cloud, \$1.50 per 100; \$12.50 per 1000. ROSES, Kaiserin and LaFrance, ready for a 3-in. shift, \$4.00 per 100; \$35.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Please mention the American Florist when writing.

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE,

Box 226.

KENNETT SQUARE, PA.

Please mention the American Florist when writing.

GARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the following varieties:

Per 100 1000 Per 100 1000 Oriole.....\$1.50 \$12.50 Prosperity.....\$2.00 \$15.00 Portia..... 1.20 9.00 Joost..... 1.20 9.00 Lora..... 1.50 12.00 Flora Hill..... 1.50 10.00 W. Cloud..... 1.50 12.50 Mrs. Palmer..... 1.50 12.50 Q. Louise..... 1.50 12.50 Mrs. L. Ine..... 1.50 10.00

ROSE CUTTINGS.

Choice well-rooted stock. Per 100 1000 Bridesmaid.....\$1.25 \$12.00 Bride.....\$1.25 \$12.00 Mme. Chatenay..... 3.50 30.00 American Beauty..... 3.00 22.50 Golden Gate..... 1.25 12.00

ROSE PLANTS.

Strong stock in 2 1/2-in. pots. Per 100 1000 Bridesmaid.....\$2.75 \$22.50 Bride..... 2.75 22.50 Golden Gate..... 2.50 20.00 Bride, 3 inch, extra choice..... 5.00 40.00 Bridesmaid, 3-inch, extra choice..... 5.00 40.00 Mme. Chatenay, 2 1/2-inch pots..... 5.00 40.00 Mme. Chatenay, 3-inch pots..... 6.00 55.00

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center, Illinois.

Please mention the American Florist when writing.

CARNATION CUTTINGS

1,000 Queen Louise; 2,500 Flora Hill; 5,000 Mrs. Joost, \$1.25 per 100; \$9.00 per 1000. 1,000 Peru, \$8.00 per 1000. These cuttings are well-rooted and free from disease. Cash with order or C. O. D.

W. B. GIRVIN, Leola, Pa.

Please mention the American Florist when writing.

Cleveland.

Several of the large down-town flower stores are dropping to the level of the Greek and selling roses at 25 to 30 cents a dozen. They have daily announcements in the papers of certain bargain days in roses, carnations and other stock, but the real rush comes on Fridays and Saturdays, when they vie in plastering their windows over with flashy signs announcing phenomenal bargains in cut flowers. The greater part of the roses is rubbish shipped in from other cities at \$10 to \$15 per 1,000 and then disposed of to the dear, innocent public at 25 to 30 cents per dozen. Carnations and other stock are about on a par. Talk about maintaining prices and elevating the business. Ye gods and little fishes! What a method.

The few days succeeding Easter gave promise of an active spurt in the cut flower trade, but our hopes were doomed to disappointment, for the end of the week brought a slump. Trade dropped back into the old rut and stock began to accumulate in a manner to tax the abilities of the commission men to move it. However, this week isn't so bad. Several large funerals and decorations have kept the stock fairly well cleaned up. Lots of belated Easter stock continues to arrive, principally lilies.

The department stores have become an important factor in the flower business. Nearly every store of note has its cut flower or plant department. Quite a number are handling hardy budded roses at 10 cents each, besides selling seeds and bulbs equally cheap, but in cut flowers they seem to get about the same prices as the regular stores, and they certainly rarely ever have bargain days.

Carlton's new violet, Gov. Herrick, is showing up well now, phenomenally so for so late in the season.

Robert Miller, formerly with W. H. Elliott, of Madbury, N. H., is now with J. M. Gasser.

Miss Lucille Schmitt is rapidly recovering from her recent attack of typhoid fever. ECHO.

SOMETHING for EASTER 1905.

The only true pink **HYDRANGEA HORTENSIS ROSEA**. Same color as Begonia Gloire de Lorraine or

ROSE MME. CAROLINE TESTOUT, very free flowering. Several Awards in Europe.

Now is the time to place your order. 2 1/2-inch pot cuttings well rooted, \$6.00 per 12; \$45.00 per 100. Orders filled in strict rotation, for immediate delivery.

Julius Roehrs,
EXOTIC NURSERIES,
RUTHERFORD, N. J.

Stanley Ashton & Co.,
Southgate, England.

The live British Orchid growers and importers supply plants singly or by thousands with equal pleasure. Write for quotations and American testimonials. Brazilian species in bulk shipped direct from Brazilian port. Hybrids a great specialty.

Wanted.

3,000 *Echeveria Secunda Glaucosa*. Address, with lowest cash prices.

HARLEIGH CEMETERY,
Camden, N. J.

VERBENAS

We are the largest grower of Verbenas in the country, and those who buy of us are sure to get plants and rooted cuttings perfectly healthy and free from rust. **30 Varieties.**

Rooled Cuttings, 60c per 100; \$5.00 per 1000; \$45.00 per 10,000. Plants, \$2.50 per 100; \$20.00 per 1000.

CARNATIONS.

White.	Per 100	Pink.	Per 100	Crimson.	Per 100
The Queen.....	\$6.00	Success.....	4.00	Harry Fenn.....	\$5.00
Queen Louise.....	1.50	Mrs. Higinbotham.....	5.00	Gov. Roosevelt.....	2.50
Lorna.....	2.50	Cressbrook.....	3.00	Gen. Maceo.....	1.50
White Cloud.....	1.50	Mrs. E. A. Nelson.....	3.00	Variegated.	
Flora Hill.....	1.50	Mrs. Thns. Lawson.....	3.00	Prosperity.....	2.50
Red.		Dorothy.....	2.00	Mrs. G. M. Bradt.....	3.00
Mrs. Potter Palmer.....	3.00	Sunbeam.....	2.50	Yellow.	
J. H. Manley.....	4.00	Morning Glory.....	1.50	Dorothy Whitney.....	5.00
Oriole.....	2.50	Mrs. Joost.....	1.25	Buttercup.....	3.00
G. H. Crane.....	2.00	Daybreak.....	1.25	Gold Nugget.....	2.00
Jubilee.....	1.50	Wm. Scott.....	1.25	Eldorado.....	1.25
Portia.....	1.25	Cruker.....	1.25		
		Mermaid.....	2.00		
		Floriana.....	1.50		

GRAFTED ROSES.

Our grafted roses are fine, bushy plants and grown in 3 and 3 1/4-inch pots. Orders booked now for delivery in May, June and July. Bridesmaid, Bride, Golden Gate, Kaiserin, price \$15.00 per 100. Ivory, Liberty, price \$18.00 per 100. Send for Catalogue.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

BOSTON FERNS.

POT-GROWN PLANTS. FINEST QUALITY. PROMPT SHIPMENT.

PRICES: 2 1/4-inch, \$3.50; 3-inch, \$8.00; 4-inch, \$15.00; 5-inch, \$25.00 per 100; 6-inch, 40c; 7-inch, 60c; 8-inch, 75c each.

PIERSONI FERNS, 2 1/4-inch, \$8.00 per 100; 4-inch, 35c each; 5-inch 50c each. ALTERNANTHERA, red and yellow, strong rooted cuttings, 50c per 100; \$4.00 per 1000. Special price on large quantities.

DAVIS BROS.,

Morrison, Ill. — and — Geneva, Ill.

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. **BOSTON FERNS**, 2 1/4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; 4-inch, \$15.00 per 100. **PIERSONI FERNS**, 2 1/4-inch, \$8.00 per 100; 5-inch, 50c. **ASPARAGUS PLUMOSUS**, 2 1/4-inch, extra fine, \$3.50. **CANNAS**, P. Vaughan, J. C. Vaughan and Burbank, \$1.50 per 100; \$12.00 per 1000. **COLEUS**, 15 varieties, \$2.00 per 100. Cash Please.

A. J. BALDWIN, Newark. O.

CHRYSANTHEMUM MANUAL.

NEW BOOK BY ELMER D. SMITH.

Will be ready soon.

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WE ARE NOW BOOKING ORDERS. PRICE, 25 CENTS, CASH WITH ORDER.

American Florist Co., 324 Dearborn Street, Chicago.

PANSIES.

100 000 Now in Bloom.

Extra large field-grown plants. They are the **Kind that Sell.** Per 100, \$2.00; per 1000, \$20.00.

Seedlings, \$3.00 per 1000.

ALBERT A. SAWYER, Pansy Specialist,

Successor to Thos. J. Corbrey,

23-33 S. Harlem Ave., OAK PARK, ILL.

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Geraniums.

—Rooted Cuttings.—

S. A. NUTT. BUCHNER. PERKINS.
VIAUD. POITEVINE. LE SOLIEL.
CASTELLANE.

—May Delivery, \$10 00 per 1000.—

ALBERT M. HERR, Lancaster, Pa.

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GERANIUMS.

Extra fine stock in bud. 3-inch Gen. Grant, S. A. Nutt. E. G. Hill, LaFavorite and other varieties \$4.00 per 100. **VINCAS**, variegated, long vines, 4-inch pots, \$8.00 per 100. **HYDRANGEA OTAKSA**, 6-inch, 3 to 4 buds, \$2.50 per doz. Cash.

GEO. H. BENEDICT, Yorkville, N. Y.

Please mention the American Florist when writing.

GIANT CYCLAMEN.

My own strain. The best that can be raised. Once transplanted, \$2.00 per 100; \$18.00 per 1000. 2½-inch pots, excellent stock, 5 colors, \$4.00 per 100; \$36.00 per 1000. **Sprangeri**, from flats, 75c per 100; \$6.00 per 1000; 3-inch, \$4.00 per 100.

C. WINTERICH, Defiance, O.

Please mention the American Florist when writing.

CYCLAMEN

Pers. Spl. Gigantum. Finest strain in the world in four true colors (separate) twice transplanted from flats, \$3.00 per 100; \$25.00 per 1000. Extra fine plants from 2½-inch pots, \$5.00 per 100; \$45.00 per 1000. **Satisfaction guaranteed.**

PAUL MADER, East Stroudsburg, Pa.

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Rooted Cuttings.

Heliotrope, good varieties, \$1.00 per 100; \$8.00 per 1000. Coleus, all the best, 70c per 100; \$6.00 per 1000. Ageratums, Stella Gurney, 60c per 100, \$5.00 per 1000. Salvias, \$1.00 per 100; \$8.00 per 1000. Petunias, double, \$1.25 per 100; \$10.00 per 1000. Daisies, \$1.00 per 100. Fuchsias, \$1.50 per 100. Express prepaid on all rooted cuttings. Cash with orders; satisfaction guaranteed. Write **S. D. BRANT,** The Clay Center Florist, Clay Center, Kansas.

Please mention the American Florist when writing.

VIOLET PLANTS.

Princess of Wales. Field-grown, well-rooted, delivered at \$15.00 per 10.0 or \$2.00 per 100.

Remember we pay the express charges. Cash with order.

Ocean Park Floral Co., Ocean Park, Cal.

E. J. VAWTER, President.

Please mention the American Florist when writing.

VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

ELI CROSS, Grand Rapids, Mich.

GERANIUMS

Per 100
10 var., 2-in. pots, \$2.50; 2½-inch \$3.00
10 var., 3-in. pots 4.00
Alternantheras, red and yellow, April 15 2.00
Seedling Petunias, May 1st 3.00
Asp. Plumosus Nanus Seeds per 1000, \$4.50; 1.00

Cash or C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Fuchsias.

1½-inch pots, in variety \$2.50 per 100
2½-inch pots, in variety 4.00 per 100

Sansevieria Zeylanica.

4.00 per 100
3-inch, strong 6.00 per 100

Per 100
Geraniums—Good plants \$4.00
Strong plants, bud and bloom 6.00

Heliotrope of sorts, good stock 4.00

Coleus—Rooted Cuttings, 75c per 100; Plants 2.50

Alternantheras—2 kinds, Rooted Cuttings... .50
Plants, bushy 2.50

Begonias, in good assortment 4.00

ROBERT S. BROWN & SON,
Box 335, KANSAS CITY, MO.

AGERATUM,

Gurney, Pauline, SAL. VIA, Splendens, Silver Spot, Bonfire, GIANT

MARGUERITE DAISY, 2-inch, 2c. **VINCA**, variegated, 2-inch, \$1.50 per 100.

Rooted Cuttings Prepaid. **STEVIA**, variegated, 75c per 100. **AGERATUM**, Gurney, Pauline. **ALTERNANTHERA**, yellow, 50c per 100. **VINCA**, Variegated, **FUCHSIAS**, 5 kinds, 75c per 100. **PETUNIA**, double, 12 kinds. **LANTANA**, Trailing and Marketts Perfection. **HELIOTROPE**, blue, **GIANT MARGUERITE DAISY**, white, \$1.00 per 100.

Unrooted Cuttings Prepaid. **FUCHSIA**, 5 kinds. **SALVIA**, Silver Spot. **LANTANA** 5 kinds. **STEVIA**, Variegated, 50c per 100. **ALTERNANTHERA**, yellow, 35c per 100.

—CASH—

BYER BROS., Chambersburg, Pa.

NOW READY

COLEUS

Rooted Cuttings.

VERSCHAFFELTII, GOLDEN QUEEN and FIREBRAND. By express 60c per 100; \$5.00 per 1000. At purchaser's risk by registered mail, 75c per 100.

FRANK A. PIERSON,
CROMWELL, CONN.

FIRST-CLASS STOCK.

Satisfaction Guaranteed. I ship orders the same day received at special express rates.

Begonia Vernon, red, white, pink and mixed. Verhena Mammoth. Lobelia Erecta and Trailing. Petunia, single, finest fringed. German Ivy. Ageratum, Blue Perfection. English Ivy. Salvia Splendens and Bonfire. Mme. Sallerol bedding and Ivy Geraniums in variety. Coleus Verschaffeltii, yellow, red, gilt-edged and fancy mixed. All fine strong, 2 and 2½-inch, \$1.75 per 100; \$16.00 per 1000. Geraniums, Poitevine, Dbl. Grant, Nutt, Buchner, Castellane, le Soliel and Cannas. French, dark red and yellow. All strong 4-inch, in bud and bloom, \$5.00 per 100; \$45.00 per 1000; mixed, \$4.00. Mme. Sallerol, Ivy, Rose and Bedding Geraniums, French Cannas, red, yellow and mixed, Heliotrope, Salvia Splendens and Bonfire. All fine strong, 3-inch, \$3.00 per 100; \$25.00 per 1000 Cash please. **Dracæna Indivisa**, strong, 5-inch, \$2.00 per doz.

WM. S. HERZOG, Morris Plains, N. J.

S. S. Skidelsky,
708 N. 16th St., Philadelphia.

Coleus

Per 100
10 varieties, 2-inch pots \$2.00
Vinea Var. Vines, 2-inch pots 2.50
50 Boston Ferns, 5-in. pots 25c each
E. Croker and F. Hill, 2-inch pots 2.00
Asparagus Sprengeri, April 15 2.00

12,000 LATANIA BORBONICA MAURITIANA.

The low and bushy variety grown to perfection.

Seedlings Per 100 Per 1000
5-inch, fine stock \$ 25.00 \$225.00
6-inch 40.00 380.00
7-inch 65.00 620.00
8-inch 150.00
9-inch \$2.00 to \$3.00 each

KENTIA BELMOREANA.

Doz. Per 100
From seed bed \$ 3.00
2½-inch 4.00
3-inch 6.00
3 inch, strong 8.00
4 inch \$ 2.00 18.00
5-inch 7.00 50.00
6-inch 12.00 90.00
7-inch 23.00 175.00
8-inch \$3.00 to \$5.00 each

KENTIA FORSTERIANA.

Per Doz.
6-inch \$12.00
7-inch 20.00
8 inch \$2.00 to \$3.00 each
9-inch 3.00 to 10.00 each

Made-up 7-inch, \$18.00 per doz. 8-inch, \$20.00 per doz., 9-inch, \$30.00 per doz.

2,000 well rooted **ARECA**, 6-inch ready for 7-in. \$8.00 per doz.; \$50.00 per 100.

PANDANUS UTILIS, 6-inch \$8.00 per doz.; \$50.00 per 100.

Get our list or examine our stock before you buy. It will pay you to come here if you want to buy at the lowest prices for which No. 1 Palms were ever offered. We have to tear down by June 15. We allow you to inspect the goods before you accept them from the express company. It will soon be too late to get palms at these prices.

Albert Fuchs, 2045-59 N. Halsted St., CHICAGO.

FERNS.

Nephrolepis Piersoni, strong plants from 2-inch pots, \$8.00 per 100.

Fall planted stock from bench, ready for 4-inch pots, \$20.00 per 100.

Nephrolepis Bostoniensis, fall planted, ready for 4-inch pots, \$10.00 per 100.

HARDY PLANTS.

All the following are last season's propagation:

Anemone Japonica, from 2-inch pots, \$4.00 per 100, including the following varieties: Alba, Queen Charlotte and Elegantissima.

Acquilegia, (Long Spurred, mixed), 2-inch pots, \$3.00 per 100.

Coreopsis Lanceolata, 3-inch pots, \$3.00 per 100.

Digitalis, extra strong, 3-inch pots, \$3.00 per 100.

Helianthus Sparsifolius, grand novelty for cutting, 25c each; \$2.50 per dozen.

Oriental Poppy, 3-inch pots, \$5.00 per 100.

Pyrranthum, strong clumps, \$6.00 per 100.

Rudbeckia Newmanii, 2½-in. pots, \$3.00 per 100.

Rudbeckia Triloba, 3-inch pots, \$3.00 per 100.

Nathan Smith & Son, ADRIAN, MICH.

SPECIALTIES

ROSES, from 3-inch pots, **In Best**

CARNATIONS, for all delivery, **Varieties**

CHRYSANTHEMUMS,

SMILAX, VIOLETS.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

It is good business policy to mention the

American Florist
When you write to an advertiser.

Newport, R. I.

At last it is spring-like and begins to be quite warm and pleasant; the frost is all out of the ground and planting is in full swing. Outdoor bulbs seem to have wintered well, have been uncovered some days, and are now growing fast. Daffodils are in full bloom. So much coal has been consumed in the last winter, bedding stock of all kinds should be higher, but such is not the case. There seems to be a regular price for geraniums, and in fact all bedding stock, both at wholesale and retail, that it is hard to change. Our florists say their coal bills are just as large as in the coal famine of last winter. Coal has been half the price, but they have been obliged to burn twice as much of it.

We have had several visitors here recently including C. F. Beerhorst, of Beerhorst & Son, Ltd., Sassenheim, Holland. Mr. Beerhorst says bulbs will be of good quality this year, and prices if anything a little less than last season. Hyacinths will certainly be better than they were a year ago. The General Bulb Company, Vogelenzang, Holland, was represented by J. C. Hillebrand. Henry C. Anthony, Portsmouth, R. I., was represented by E. R. Pierce. J. A. Davis, of I. S. Johnson & Company, Boston, Mass., and B. H. Trippe, for the Pratt Food Company, Philadelphia, Pa., were also here.

Besides the regular spring seed and florists' business here in Newport we have a summer trade that is the best part of our business year. This summer season begins about the first of June and lasts some three months. Then the population of this city nearly doubles as Newport is filled to overflowing with summer visitors from all the large cities of this country. The money is made in the summer.

That elegant bed of hardy rhododendrons which last season attracted so much attention on the estate of George L. Rives seems to have withstood the winter perfectly, and appears in fine condition. C. Ramlose, the head gardener, has recently uncovered it and takes the greatest care of it. A very heavy top-dressing is applied every fall, and every few years the soil around the plants is renewed.

William B. Scott & Company, who are getting ready to start a seed and agricultural business here, finding the building on their property at 10 Broadway not suited to their use, have sold the old structure, and after it has been moved away they will construct a modern building adapted to the special needs of their business.

A great many large trees have been moved with frozen balls of earth to the estates on Bellevue avenue, where immediate effects are desired. Some trees so large that eight horses have been required to team them have been used. Wadley & Smyth have done a great deal of this work.

Gibson Brothers have some very good stock in their houses; a house of American Beauty roses just coming along looked very well grown. Their geraniums were also in good shape, being stocky and clean.

George W. Goldner, who is with the Stumpp & Walter Company, New York, has originated a very useful device for fastening the cross-wires for supporting the plants in a carnation house. X.

MAUCHCHUNK, PA.—Paul Niehoff has opened a store in the basement of the American hotel.

Asparagus Plumosus Nanus

2 1-2-inch stock in fine shape at \$3.00 per hundred.

HOLTON & HUNKEL CO., Milwaukee, Wis.

Geo. Wittbold Co.,

1657 Buckingham Pl., CHICAGO, ILL.

Send for Price List on all

Palms and Ferns

JOSEPH HEACOCK,

WYNCOTE, PA.

Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana

GROWER OF

For our prices see page 551, Nov. 7th issue.

Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100. In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. **Asp. Sprengeri**, 4-inch, \$6.00 per 100. **Dracena Indivisa**, 3-inch, strong, \$8.00 per 100. **Kentias, Filix. Coleus**, R. C., red, yellow and black, \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000; 60c per 100.

L. H. FOSTEN, 145 King St., Dorchester, Mass.

Please mention the American Florist when writing.

Boston and Piersoni Ferns.

2½, 3, 4, 5, 6, 7, 8 and 10-inch. Largest growers in the West. 20 000 in stock.

Asp. Plumosus and Sprengeri.

GEO. A. KUHL, - Pekin, Ill.

For Sale.

Asp. Sprengeri, choice stock ready for pots 2 sizes larger. 2½, 3, 4, 5, 6, 7-inch pots, at 3c, 5c, 8c, 12c, 25c, 35c and 75c each.

BOSTON FERNS, all sizes.
ROSES, Bride and Bridesmaid, \$3.00 per 100.
GERANIUMS, ENGLISH IVY, VINCAS.

J. H. BORNHOEFT, Tipton, Ind.

50,000 Alternantheras Red and Yellow from 2-in. pots at \$1.50 per 100. Rooted Cuttings 50c per 100; \$4.00 per 1000; in lots of 5,000 or over \$3.50 per 1000.

DAVIS BROS., Morrison and Geneva, Ill.

BOSTON FERNS

—A1 POT GROWN.—

6-inch.....each, 40c
5-inch.....each, 25c
4-inch.....each, 15c
3½-inch.....each, 12½c
3-inch.....each, 8c

PIERSONI FERNS.

6-inch.....each, 50c
3½-inch.....each, 15c

GERANIUMS.

4-inch, \$8.00 per 100; 3½-inch, \$6.50; 3-inch, \$5; 2½-inch, \$3.50 in the following varieties: Red, S. A. Nutt, Pasteur, Le Soleil and Trego. White, La Favorite and Mme. Carnot. Pink, Jean Viand. Salmon, E. G. Hill. Write for discounts on 100 lots.

The Cation Greenhouse Co.

1101-03 Fifth Ave., PEORIA, ILL.

Cheap Palms and Asparagus.

		Per 100
Lalania Bor., 2-in. pot,	seed leaves..	3.00
" " 3-in. pot, 15-18 in.,	2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in.,	3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in.,	4 chr. lvs.	20.00
Kentia Bel., 2½-in. pot,	8-10 in., 2-3 leaves.	12.00
" " 2½-in. pot, 15-18 in.,	3-4 leaves.	15.00
" " 3 -in. pot, 15-18 in.,	4-5 leaves.	18.00
" " 3 -in. pot, 18-24 in.,	5-6 leaves.	20.00
Asparagus Sprengeri,	2-inch.....	\$2.00
" " 3-inch.....		3.00
Asparagus Plumosus, from flats.....		1.75
" " 2-inch.....		2.50
" " 3-inch.....		4.00

Sherman Nursery Co., CHARLES CITY, IOWA.

GOOD FERNS.

BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$45.00.

PIERSONI FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.
Keep Street Greenhouses.

PIERSONI FERNS VERY TRUE STOCK.

Strong 2½-inch stock.....\$ 8.00 per 100
Strong 3-inch stock..... 10.00 per 100
Strong rooted runners..... 5.00 per 100
Cash with order. Satisfaction guaranteed.

BAUR FLORAL CO., Erie, Pa.

THE AMERICAN FLORIST CO.'S

Directory ..1904

IS NOW READY

And contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies, Horticultural Supply Concerns of the United States and Canada and Leading Foreign Trade Firms.

HUNDREDS OF
NEW NAMES
AND ADDRESSES.

PRICE \$2.00 POSTPAID.

AMERICAN FLORIST COMPANY, 324 Dearborn Street,
....CHICAGO.

Washington, D. C.

In the past week trade was lively, though prices remained unchanged. There have been several weddings and entertainments calling for decorations, also considerable funeral work. Among the growers the bustle of spring work is fairly on. Though the weather has been cool with several heavy frosts, it has been favorable for outdoor work. Nature is putting on her robes of green that here and there are spangled with blossoms. Carnation planting is well under way and the growers of "garden sass and sich," seem to be well advanced in their work.

At the thirteenth annual continental congress of the Daughters of the American Revolution, which opened at Chase's Opera House, April 18, the stage had a handsome arrangement of flags and flowers, the front of the platform being fringed with Boston ferns. On the desk of the president general was a great bouquet of red and white roses in a tall jar, while lying on the desk were bunches of pink roses, white roses, red roses and yellow roses, the long ends of parti-colored ribbons tying them hanging to the floor like a fringe. In the evening a reception was held in the Corcoran Art gallery, and for the first time, it is said, in the history of that structure, the American flag appeared in the decorations. The main stairway was banked with palms, ferns and flowering plants. The corner stone of the Memorial Centennial hall, which is to be erected by the D. A. R. at Seventeenth and D. streets, N. W., was laid with Masonic ceremonies on Tuesday afternoon, April 19, Lexington day. The floral display was elaborate. The decorations for these three events were by A. Gude & Brother.

While spending my vacation in Philadelphia last summer, I was delighted with the hospitality of its inhabitants, charmed with the beauty of Fairmount park, and my artistic tastes were vastly improved by looking at the pictures of Gov. Pennypacker, published in the Philadelphia papers. I then resolved that if I ever could do Philadelphia a good turn I would make haste to do it. The opportunity seems to be up to me. Mr. Leslie Miller, president of the parkway allied associations of that city, has proposed "A beautiful Schuylkill river within masonry walls." I agree with Mr. Miller, and imbued with a desire to make the Schuylkill the completest river that ever meandered to the sea, I suggest that it have a copper bottom. Just think of that as a World's Fair attraction! By the use of a few simple electrical contrivances the waters of the noble Schuylkill might then be boiled. Vapors and rainbows might be had to order; not to mention the sanitary benefits to the people, and convenience to the breweries about Fairmount park. P. S.—If the Philadelphia bowlers had come to time it was my intention while they were here to put them on the ground floor of this scheme, but as they did not arrive and it is plain that great public utilities should take precedence over sports, I now make it public.

Many beautiful floral tributes were furnished by the local designers for the funeral of Mrs. L. E. McComas, wife of U. S. Senator McComas, of Maryland, which was held at the family residence in this city April 16. A carload of designs from Washington and Baltimore friends was sent to Hagerstown, Maryland, where the interment took place.

S. E.

Listen Here!

Easter is over and you have made money (if you handled our Easter Specialties). **HERE'S ANOTHER CHANCE.** Spring parties, engagements and weddings are now in order and it's about time to start on Immortelle and other emblematic work.

For Decoration Day.

We have New Baskets in styles without number and a wide range of material, Wheat Sheaves, best in the country for the money, Immortelles, Capes and other Dried Flowers and Preserved Foliage in variety, Cycas Leaves and Wreaths, Pot Covers, Matting, Crepe Paper, Doves, Wire, etc., and a splendid stock of New Metal Designs and Porcelain Flowers. All in quality and at prices that defy competition.

H. Bayersdorfer & Co.

50-56 N. 4th St., PHILADELPHIA, PA.

ESTABLISHED 1866 **EMIL STEFFENS** SUCCE^{SS}OR R. STEFFENS AND STEFFENS BROS.

MANUFACTURER OF

FLORISTS' WIRE DESIGNS & SUPPLIES

335 EAST 21ST ST. NEW YORK CITY.

M. RICE & CO.,

Importers and Manufacturers,

Leading Florists' Supply House and Ribbon Specialists.

918 Filbert Street, Philadelphia, Pa.

Iron Reservoir Vases



AND Lawn Settees, Manufactured by **MCDONALD BROS.,** COLUMBUS, O.

The largest manufacturers of these goods in America. Send for catalogue.

PURE SHEEP MANURE

Dried, Unpulverized and Pulverized.

WRITE FOR PRICES.

MONTANA FERTILIZER CO., Elgin, Ill.

NITRATE OF SODA.

FOR GERANIUMS

50 lbs. for \$2 00

WM. ELLIOTT & SONS, New York.

Don't Worry

Use

"NICOTICIDE"

No bugs then.

TOBACCO WAREHOUSING AND TRADING COMPANY, LOUISVILLE, KY.

Fumigating Kind Tobacco Powder

KILLS ALL APHIS IN ONE NIGHT in a box of 100 lbs. at a cost of 40c. A 1/2 lb. tin of the same will kill 100 lbs. of tobacco in 24 hours. For more particulars, write to Dept. C, or to The H. A. STODOLSKY COMPANY 116, 117, 118 West St., N. Y. City

North Adams, Mass.

Geo. H. Phelps, the Blackinton carnation grower who has been suffering for a long time with an abscess, was operated on at the city hospital. He was very low at the time but the doctors give encouraging reports as to his condition and hopes are entertained for a speedy recovery.

A. J. Schmutz, of Arnold place, and F. H. Pratt, of Ashland street, both had a large crop of lilies on time and everything was cleaned up in fine shape.

All florists here enjoyed a good trade at Easter. There was a good call for flowering plants. Azaleas were in large demand. SUBSCRIBER.

CALLA, O.—Richard and Wilbur Templin have sold their greenhouses to Norman Bashinger, of Columbiana, and Charles W. Hendricks of Leetonia, for a consideration not given, and the latter will take actual charge of the seed farm after May 15. The Calla greenhouses were organized thirty years ago by Lewis Templin and have since passed into the hands of his sons and grandson. All of the land, together with twenty greenhouses and eight dwellings, were sold to Mr. Bashinger, cashier of the First National bank at Columbiana, and Mr. Hendricks, teller of the First National bank at Leetonia.

GALAX.

Finest Leaves on the Market, \$1.00 per 100
Leucothoe Sprays, green, per 100.....\$1.00
Cycas Leaves, Cape Flowers, Cut Wire, Match Sticks, Wired Picks, Tin Foil, Boston Florist Letters, Etc.
—DEALER IN STAPLE FLORIST SUPPLIES.—
H. LOUIS MENAND, Albany, N. Y.

FLORIST Plain, Violet, Rose
FOIL
MADE BY
The John J. Crooke Co.
155 Ave. D, NEW YORK. 149 Fulton St., CHICAGO.

TIN FOIL
Plain, Fancy, Printed & Mounted.
Manufactured by
The Conley Foil Co.

521 to 541 West 25th St.,
NEW YORK.

Please mention the American Florist when writing.

THE Regan Printing House
Nursery Seed **CATALOGUES**
Florists' **CATALOGUES**
87-91 Plymouth Place, CHICAGO.

LIGHTNING FLOWER POT WASHER.
Washes all sizes of pots, clean as new, about as fast as you can handle them. **Strong Plants are only grown in Clean Pots.** Send for description. Sold direct \$15.00 net F. O. B. Joliet.
C. E. FINLEY Joliet, Ill.

CUT FLOWER BOXES WATERPROOF
Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000
Size No. 0. 3x 4x20.....\$2.00 \$19.00
1. 3x 4½x16..... 1.90 17.50
2. 3x 6x18..... 2.00 19.00
3. 4x 8x18..... 2.50 23.00
4. 3x 5x24..... 3.75 36.00
5. 4x 8x28..... 3.00 28.50
6. 4x 8x28..... 3.75 36.00
7. 6x 16x20..... 5.50 54.00
8. 3x 7x21..... 3.00 28.50
9. 5x 10x35..... 6.50 62.00
10. 7x 20x20..... 9.50 87.50
11. 3½x 5x30..... 3.00 28.50
Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.
THE LIVINGSTON SEED COMPANY,
BOX 104. COLUMBUS, OHIO.
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—THE—
Florists' Hail Association
Insures 19,000,000 square feet of Glass. Now is the time to join. Address
JOHN G. ESLER, Sec'y.
SADDLE RIVER, N. J.

MARION, MICH.—J. Noll will build a 130-foot addition to his greenhouse this spring. One hundred feet will be used for growing carnations and thirty feet for roses.

The Gardeners' Directory....

A BRAND NEW BOOK.

**PRACTICAL
CONVENIENT
COMPLETE
INVALUABLE
THOUSANDS
OF
NAMES
AND
ADDRESSES.**



THIS book contains complete lists of **Gardeners and Estates Employing Gardeners** in the United States and Canada, arranged for ready reference by states and post-offices. The gardeners are also arranged alphabetically. The book contains a reliable list conveniently indexed, of the leading **Horticultural and Kindred Societies**, with the names and addresses of the Secretaries. **Price \$5.00 postpaid.**

AMERICAN FLORIST COMPANY,
324 Dearborn St., CHICAGO.

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, 1 1/2 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.

SHADING.

What you need is a reliable shading upon your greenhouse glass, one that will not easily wash off by rains. Upon receipt of \$1.00 I will mail to any address printed recipe for same with instructions how mix. It saves labor and material, because it stays where you put it. Address

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For Sale by all Wholesale Houses.

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Foley's Floral Photographs.

Floral Album, size 12x11 containing 24 different funeral designs. By express \$7.00 c. o. d.

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Wired Toothpicks

10,000, \$1.57; 50,000, \$6.25. Manufactured by W. J. COWEE, BERLIN, N. Y. Sample Free. For sale by dealers.

ITALIAN WHEAT

(Cicalino) of different qualities, natural and chemically bleached and Ornamental Dried Grasses for Florists' Use.

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Write for our price lists. Sent free on request.

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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. Please mention the American Florist when writing.



GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices. 361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

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THOSE RED POTS

"STANDARDS"

FULL SIZE and WIDE BOTTOMS. BULB PANS and AZALEA POTS.

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FLOWER POTS ALL KINDS.

STANDARD POTS SPECIALTY

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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.

Simon Rodh

40 W. 28th St., NEW YORK.

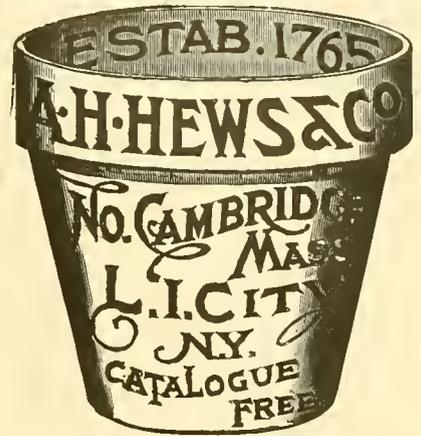
I have the Newest Things for Violet Tying Ribbons to match all your Flowers and Chiffon in all Widths and Colors.

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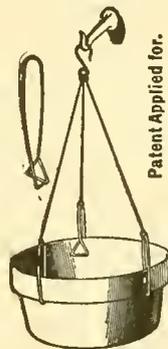
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Patent Applied for.

THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

Vaughan's Seed Store, Chicago and New York. E. F. Winterson Co., Chicago.

C. C. Pollworth Co., Milwaukee, Wis.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa.

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STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate 1500 2-in., in crate, \$4.88 120 7-in., in crate, \$4.20

1500 2 1/2 " " 5.25 60 8 " " 3.00

1500 3 " " 5.00 48 9-in., in crate, \$3.60

800 3 1/2 " " 5.80 24 11 " " 3.80

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. 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.

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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.

GREEN SILKALINE.

Do not be put off with cheap substitutes.

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	LUCAS GREENHOUSE GLASS —TO BE THE BEST.— ALL SIZES. POPULAR PRICES.	

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PITTSBURG, PA.
TANK WINDOW GLASS.
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—IMPORTERS and JOBBERS—
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A SPECIALTY.
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Holds Glass Firmly
See the Point **PEELESS**
FULL SIZE N.P.E.
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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IRON BENCH FITTINGS and Roof Supports.

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IMPROVED VAPORIZING PANS VENTILATING APPARATUS.
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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.
HORTICULTURAL PRINTING CO., Burnley, Lancs., Eng

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WILL KEEP SNOW AND ICE OFF YOUR GLASS.
DES PLAINES, ILL.
SEND FOR CATALOGUE.

A sample of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

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Hundreds of New Names and Addresses.
Price Two Dollars, Postpaid.
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GLASS.
GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.
Warehouse on railroad switch. Be sure and get our prices.
Sharp, Partridge & Co.
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**GULF CYPRESS
GREENHOUSE
MATERIAL**
HOT-BED SASH, BOILERS, PIPES, FITTINGS, VENTILATING APPARATUS.
GLASS AT WHOLESALE.
We furnish everything for building. Send for prices and catalogues.
S. Jacobs & Sons, 1365-1373 Flushing Ave. BROOKLYN, N. Y.

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GET THE BEST

Use our strictly clear Gulf Cypress; its the cheapest in the long run. Have your proposed house or range planned for its purpose and location.

START RIGHT

By getting our figures on the Cypress, which you will need. We carry the largest stock and have the best facilities for getting out your work quickly. You will find our prices very reasonable.

— PLANS AND ESTIMATES WITHOUT CHARGE. —

HOT-BED SASH, Red Cedar Posts, Bench Material, Etc.

LOCKLAND LUMBER CO.

LOCKLAND, O.

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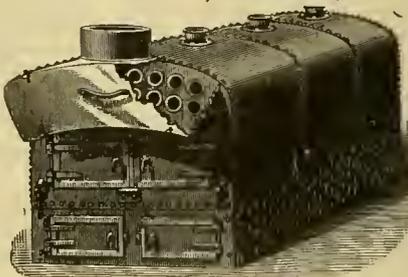
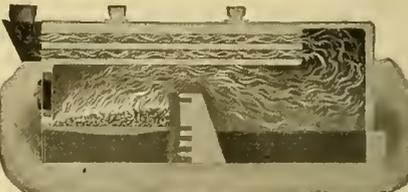
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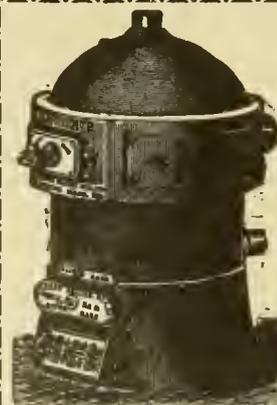
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Vol. XXII.

CHICAGO AND NEW YORK, APRIL 30, 1904.

No. 830.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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Annual convention and exhibition, November, 1901. FRED H. LEMON, Richmond, Ind., secretary.

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CHRYSANTHEMUMS

Putting Cuttings into Pots.

It is now time for the propagation of chrysanthemum stock for June planting to be well along, and if the cuttings are not already in the sand they should be attended to without delay. Give them a good clean sand with a partial shady bench. They will require considerable water and frequent syringings to keep them from wilting from now on, especially so when the shoots on the old stools have been left long enough to get to a considerable length and then the soft tops taken as the cuttings. While these root readily they naturally wilt very much easier than a short jointed cutting taken as soon as large enough at the old stool. If you have a batch in the sand which are now rooted, pot them up without any delay, because if not taken out as soon as rooted they very soon commence to make rapid, wiry growth. The roots become thin and weak and the stem gets hard, with the result that it will take a long time to recover after being potted up.

Early propagated stock which is being grown for exhibition purposes should be potted into larger pots as it requires. Those plants that were potted from the sand in March will now be ready for a repotting into 3½ or 4-inch pots. This will keep them continually in active growth and carry them along until wanted for setting in the beds the last of May or the first week in June. Exhibition specimen bush plants and standards ought at this time to be ready for 8-inch pots. If they are well rooted in the 6-inch pots give them a shift into the 8-inch size, using a medium rich compost, potting good and firm and paying particular attention to see that they get ample drainage. After the repotting it is necessary that the watering be attended to with caution, to allow the roots to recover from the operation and get a firm hold of the new soil. It may be that some of your plants which you figured on making fine specimens, trouble you with constantly going into bud. This is indication enough that they are not adapted for growing into specimen plants. You might succeed in making a presentable plant out of some of these but while you have easier doers which respond readily to this kind of culture it will not pay to bother with those which run continually into bud.

If the standards have attained the required height see that they are securely

staked and commence to lay the foundation for the head by paying particular attention to the stopping back. Also keep the main stem clear of lateral growths as far up as you figure on forming the head. After the plants recover from their late repotting they will begin to make rapid growth; give them all the light possible, with plenty of ventilation and syringings to keep the foliage free of thrips and red spider, being careful not to use force enough to injure the branches.

Considering the fact that there will be a large number of those new Australian and other importations grown this season it is well to hear in mind that while they have everything on their side as to size they lack considerable when it comes to fine color and graceful outlines. We have also to figure that many of these monsters are the loose Japanese type which however valuable they may be to the florist who can sell them direct from his greenhouse or as exhibition varieties have so far been found not to be very popular on the open market owing principally to their bruising so easily. And again, in the cultivation of these importations if you do not give them a good long season of growth so that in most cases they will be of sufficient maturity to enable the crown bud to be taken you will be sadly disappointed with them, as a number of them show an open center when the terminal bud is taken.

A great many of the importations are of the same color or nearly so. There are plenty among them of yellow shaded with crimson, crimsons and odd colors, some good pinks, but not a serviceable white unless it is Alice Byron. This is a very pretty thing but it is a little undersized and it takes considerable time before it gets into active growth. Unless particular attention is given it is likely to be weak. The showing the two pink varieties Wm. Duckham and Dr. Enguehard made last fall would indicate that they will prove acceptable. Mrs. Elmer D. Smith and Percy Plumridge also took our fancy from a commercial standpoint. But if anyone expects to figure in the fall shows he will have to stock up with some of the varieties like W. R. Church, Ben Wells, Lord Hopetown, Thomas Humphreys, Mrs. E. Thirkell, Lord Salisbury, Mildred Ware, Gen. Hutton, F. S. Vallis, Leila Filkins, F. A. Cobbold, Don McLeod, S. T. Wright, Lord Alverstone, Mrs. Barclay, Duchess of Sutherland, Mme. Cahuzac, and several others which have great size, a very telling consideration from an exhibition standpoint.

C. W. JOHNSON.

THE CARNATION.

Spring Work.

According to general rule very little night firing for keeping up the temperature in the carnation houses has been found necessary after the middle of April, and then only during intervals of a few nights at a time when there is a sudden drop in the outside temperature which we experience every spring in this part of the country (Illinois). But up to date this season we have had to keep up steam every night owing to the severely cold nights which we are still getting. The night of April 14 the thermometer registered 10° of frost, and while the weather keeps anywhere near as cold as that it will be necessary to fire continually all night. When it commences to warm up a bit, as it is bound to do shortly, watch the outside night temperature closely, and as soon as the thermometer registers below 40° put on a little steam heat, at the same time opening the ventilators just a crack to prevent the temperature of the house running too high. You will find that the plants will continue to keep up active growth longer, therefore prolonging their productiveness. It is also the right way to prevent the plants from getting infested with rust and most other diseases. It is very easily demonstrated to anyone who will take the trouble to enter any greenhouse on a night when the outside temperature is below 40° why for the well being of your plants it is necessary to steam up a little, particularly if the ventilators are closed down tight. It is somewhat like entering a cold storage only a great deal damper.

From this time on the increased output of the carnation growers and possibly a slackening up in the demand will cause the returns to be considerable less than they have been, and consequently we are likely enough to let up a little in the care of the plants and not pay such a close attention to disbudding and other little things, which will not help matters at all but only make them worse. It is better by far to figure a little on the staying qualities during the hot weather of the varieties which you are growing, hanging on to those which have proved their merit as hot weather bloomers, keeping up your vigilance on them and to throw out those which have done their work for this season, using the room for something else. There are very few places that cannot make good use of an empty bench in a carnation house at this time of the year.

It is a good chance to pot up your chrysanthemum stock or a fine place for the young roses, or to spread out the carnation plants intended for growing indoors all summer. Speaking of indoor grown carnations, if you have them well established in 3-inch pots and figure on planting them on the benches in June you will greatly benefit them and go a long way toward making a complete success of indoor culture by potting them up into 4-inch pots as soon as possible. In fact, if they are well rooted in the soil in the pots they are now in it is absolutely necessary that they be shifted into a larger size to keep them in active growth and to carry them along to the time you are ready to set them into the benches. To pot them up use a live soil, but not too rich, adding some well rotted manure, about one part to five of soil, and placing a little rough material in the bottom of

the pots for drainage. Care must be exercised in watering directly after potting to prevent them from being overwatered, it being the nature of the carnation to absorb large quantities of water. At no stage of its growth can it be as plainly seen as at this time, when being in pots for growing inside, the extra width and the more succulent nature of the foliage shows the abundance of water the plants carry. There is a safe limit beyond which the plants very soon show signs of disease.

The young plants which are intended for planting in the field should be gradually hardened off now. They should be kept a little on the dry side and the ventilators kept open as much as is safe both day and night to prevent their being at all soft when the time comes to set them out, while it is a good plan to get them into the ground as soon as possible to enable them to get a good hold on the soil before the hot weather sets in, particularly in places where there are no means of giving them any water while in the field. At the same time it would be foolish to begin to plant outside at a



Senator Francis G. Newlands.

certain date this year because you planted on that date last year, not taking into consideration how backward this season is. I much prefer to wait a week or ten days longer to give the ground a chance to warm up a bit. The young plants will take hold all the better for it.

C. W. JOHNSON.

Senator Francis G. Newlands.

Senator Newlands, of Nevada, whose portrait is given herewith, is the author of a bill, previously mentioned in these columns, which has passed the senate for the preservation of the mall, the largest park in Washington, D. C., from the encroachment of government buildings. The senator believes that government building should be erected on the south side of Pennsylvania avenue.

WILLIMANTIC, CONN.—William Dawson, of Providence, has leased the greenhouse of Thomas W. Southward on Pleasant street and will assume charge immediately. Mr. Southward will return to Boston, where he is interested in the glass business.

PALMS AND FERNS.

Sundry Fern Notes.

In addition to the extensive use of small ferns for filling table ferneries and in table and mantel arrangements in connection with cut flowers, there are also many ferns used in conservatory work, especially in those conservatories in which rockwork finds a place. In those ornamental constructions of tufa and other stones there are many crannies and corners for which ferns are especially adapted, and in which these plants will flourish, and for such a work a greater variety of ferns may be used to advantage than in filling the small table ferneries. If there is a miniature waterfall among the rocks and the house is a rather damp and shady one there may even be the possibility of using some of those particularly beautiful, though tender, filmy ferns, many of them not needing much heat, but insisting upon moisture and shade.

The common Killarney fern, *Trichomanes radicans* belongs among this group and is by no means difficult to grow, provided that it gets a cool, moist atmosphere and an open fibrous compost, the heat of our summers being rather detrimental than otherwise to this and many other ferns that grow in more temperate climates. The lovely *Todea superba*, the fronds of which remind one of an ostrich plume of delicate green, is also one of the gems for occasional use, though not one to be recommended for indiscriminate planting in rockwork. Several of the maidenhairsts grow well in a rockwork, and as all are beautiful one cannot make a mistake on that score. The common *Adiantum Capillus-Veneris* or some of its many varieties may be used freely, but as some of these are nearly deciduous, one needs to be a little careful as to where they are placed. The variety of this fern known as *A. fissum* is a very pretty dwarf form with finely cut foliage, the latter being thrown up from creeping stems that are produced very freely. This fern only grows a few inches in height and should be placed accordingly. Of the strong growing adiantums one of the most beautiful for conservatory planting is *A. cardiochlena*, also known as *A. polyphyllum*, a fern that will grow to a height of four feet under favorable circumstances, and if it may be placed near to a waterfall, where some of the splashing will strike the foliage, this fern seems especially happy. *A. cuneatum* will of course be remembered in everyone's list, and *A. decorum* is another excellent species of very similar habit to the foregoing, but a rather stronger grower.

A. colpodes is another species that is well adapted for the rockwork, having long graceful fronds and a very free habit of growth, spreading quite rapidly by means of underground rhizomes or creeping stems. Then there are several of the *davallias* that grow well under such conditions, *D. tenuifolia stricta* being the first to come to mind, a sturdy fern of reasonably quick growth and good habit, and one that has enjoyed a very large sale among the trade in years past. The Japanese *D. bullata*, a variety of which is so largely imported in the form of fern balls and also in the shape of various fabulous birds and beasts, may also be used in the rockery, but it must be remembered that this fern too is naturally deciduous, so it is not well to depend too much upon it for winter decoration.



INTERIOR OF PARK FLORAL COMPANY'S STORE, DENVER, COL.

Davallia pallida and *D. solida* are both admirable among the strong growing sorts, their fronds often reaching three to four feet in length on well-established plants, and *D. Canariensis* is another attractive member of the hare's foot ferns, the creeping stems being quite large and reminding one very much of the animal for which they have been named.

One of the most interesting of the dwarf ferns is also found in this genus in the form of *D. parvula*, the fronds of which are rarely more than two inches high and frequently much less, while *D. Tyermanni* is a larger species that has rather prominent rhizomes and pretty dark green fronds with a lighter stripe down the middle. *Blechnum orientale* is a bright little fern, the young fronds of which often come up pink, ultimately turning to glossy dark green, the stems of the fronds being pinkish or red, and adding to the effectiveness of the plant. This fern is not a very large grower, the fronds often being six to ten inches long, and the spores come up quite readily, thus making it an easy fern to increase. *Hypolepis distans* is a very beautiful fern with long and finely divided fronds, of much substance; and is also one that is well adapted for cool house culture, growing stronger and being less likely to be attacked by insects under such conditions than if grown in too high a temperature.

H. distans may be readily propagated by division or by spores, the division of the roots being best done in the early spring at the time active growth begins. *Fadyenia prolifera* is one of the curiosities of the fern family, reminding one of the walking leaf of our northern woods in its habit of starting a young plant from the tip of a mature leaf, the *fadyenia* bearing some resemblance to the latter in its long, simple or spear shaped leaves, but being a smaller plant and less robust in growth. The *pteris* family will naturally suggest themselves to anyone likely to plant an indoor rockery from the fact that they are so free growing and so plentiful in the market, and of these ferns *P. argyræa* and *P. Cretica albolineata* must surely be included on account of their finely variegated foliage and free growth, the first named being rather rampant when planted out in favorable

surroundings, while *P. Cretica albolineata* goes not grow nearly so large, and will flourish under very adverse circumstances. Some of the varieties of *P. serrulata* will be needed in addition to the type, the variations of this species being quite a catalogue in themselves, and many of them very beautiful. Several of the *nephrolepis* family may also be used, these sword ferns being remarkably easy to manage and easy to increase, and of the smaller growing species *N. pectinata* and *N. Philippensis* are good as is also *N. Duffii*, the latter being a dwarf crested variety, while the ordinary Boston fern and its various progeny may all be used in beautifying a rockery, in filling a hanging basket, or grown in a pot or pan, and in each case will prove among the most satisfactory ferns for the conservatory.

W. H. TAPLIN.

WINNIPEG, MAN.—G. Gordon has started a retail place at 47 Kildonan street, east.

The Greenhouse Leaf-Tyer.

ED. AM. FLORIST:—I would like to make inquiries through your paper what remedy can be used to get rid of a small grayish miller that causes quite a little damage among the plants such as cannas, ageratum, chrysanthemums, etc. The millers lay their eggs under the leaves and when hatched form a small worm that seems to eat or riddle the leaves completely. I have tried almost everything I can think of and nothing seems to kill them. I would like to know if there are any other florists that are troubled with this pest. Specimens are forwarded under a separate cover.

W.

This pest is known as the greenhouse leaf-tyer of which F. H. Chittenden, assistant entomologist of the Department of Agriculture, writes as follows:

One of the most troublesome of all known enemies of violets and other ornamental plants when once it obtains foothold in a conservatory is the greenhouse leaf-tyer, the larva of a small moth, now known as *Phlyctænia rubigalis* Gn., but formerly as *P. ferrugalis* Hbn.

Until within recent years only a few instances of injury by this species had come to our knowledge or been brought to public notice. During the past four years, however, its depredations have attracted attention in widely separated localities, and it is evident that this insect has now become established as a pest more than periodically injurious. As such it is entitled to somewhat extended notice. The greenhouse leaf-tyer, as its name would suggest, is more particularly annoying to ornamental plants grown in greenhouses; but its injuries do not cease here, since the larva work also in the field—celery, beets, cabbage and tobacco, among crop plants, being most often affected.

NATURE OF INJURY.

The usual manner of work of the larva is upon the underside of a leaf. Fair specimens of larval injury to violets as shown by photographs on file, show that the leaves of the plants were eaten out in holes on the under surface, leaving the upper epidermis intact and this is the manner of injury to many



EXTERIOR OF PARK FLORAL COMPANY'S STORE, DENVER, COL.

other plants. Some plants, however, are eaten entirely through and some are skeletonized. Occasionally larvæ, when numerous, feed upon the upper surfaces of the leaves, but this is exceptional. The normal habit of the larva in feeding is to fasten together two contiguous leaves, to curl over the edge of a single leaf upon which it may be feeding, or to spin about itself a thin, filmy web within which to feed.

In close confinement a few larvæ will in a very short time devour and destroy their food plant. In one experiment in rearing this species at this office, larvæ completely destroyed a large pot of violets in ten days.

HABITS OF THE LARVA.

Soon after the hatching, the larva begins feeding, at first cutting little patches of parenchyma from the under surface of the leaves, leaving the upper epidermis intact. A few days later it usually seeks concealment by drawing together by means of its fine silken webbing portions of a leaf or two leaves that happen to be contiguous.

The terminal leaves of such creeping plants as the wandering jew appear most subject to attack, while the lower leaves of taller plants are most injured. As in the case of many other greenhouse insects, the larvæ prefer secluded places, and plants growing in shady locations are most affected.

When full grown the larva prepares for pupation in different ways. Sometimes it will spin up between two leaves, but more often rolls up a pupa case at the edge of a leaf, if the leaf be large, cutting a slit usually on one or both sides before drawing the leaf over itself. The interior it lines with a thin silken membrane, and within the cocoon thus formed changes to pupa.

Individuals that were observed in May would be feeding one day and the next would form their pupa case and the same or the next day would transform.

HABITS OF THE MOTH.

As has already been stated, the moths fly just before sundown. Indoors they rest during the daytime on the lower surface of the leaves of their food plants and other low-growing plants and doubtless remain thus for many hours at a time unless disturbed. When disturbed they fly only a very short distance before they alight and at once seek the underside of

a leaf again. They fly low and if along the ground they alight only to again fly up until the underside of a leaf is found. In these habits they resemble many other moths that could be mentioned.

REMEDIES.

Hand-picking.—The greenhouse leaf-tyer can be controlled in greenhouses by hand-picking or trimming away and destroying all infested leaves or other portions of plants as often as they are detected. This has been successfully practiced in a number of cases, one of which has already been mentioned, but it is somewhat laborious. A correspondent wrote in regard to this species that he entirely rid his greenhouse of it in one season by hand picking.

Attracting moths to lights.—Another method of checking the increase of the species is by attracting the moths to lights placed in the greenhouses at night. This method is in practice by at least one of our correspondents, who reports that it affords some relief. Lights to be most successful should be placed over vessels of water on which a thin scum of kerosene is floating. In any case a careful lookout should be kept for this and other insects which injure the plant by eating its leaves.

Arsenical spray.—Paris green or other arsenical would, if applied at the outset of the attack, effect the destruction of the larvæ, but it has not been ascertained by practical experience whether or not such a spray would destroy the more mature larvæ. Owing to their more or less protected manner of working, it would probably not do so effectually. An underspraying is, of course, a necessity. This and hand methods are about the only remedies applicable to celery beds and elsewhere out-of-doors. An objection to the use of Paris green on violets and some other greenhouse plants is that the plants have to be syringed every few days for protection against the so-called "red spider," and this would wash away the arsenite. Another is that a poisonous wash could not be used when the plants are in bloom. It might also injure the foliage of certain tender plants. It is better to use some remedy that will at the same time destroy other insects with which the greenhouse may be affected.

Tobacco as a greenhouse fumigant.—The most widely useful insecticide for greenhouse fumigation is tobacco in its

various forms. In many instances it is without doubt the cheapest and safest insecticide to use against certain greenhouse insects, particularly plant-lice. Its effectiveness, however, under the best conditions is not great, as it requires repeated use at short intervals. Moreover, it may cause serious injury to some plants. On the other hand, tobacco may prove injurious to the foliage and flowers of certain plants such as violets, by bringing on epidemics of spot. Tobacco is also useless against scale insects in general and mealy bugs.

Hydrocyanic-acid gas treatment.—At present the most satisfactory manner of dealing with this and similar pests is by means of hydrocyanic-acid gas which has been developed as a medium for the fumigation of insect-infested greenhouse plants by the Division of Vegetable Physiology and Pathology of this department, having been used under the direction of A. F. Woods in 1894, and later by Mr. Woods and by P. H. Dorsett. This remedy has proved particularly effective against the present species on violets and against aphides on similar greenhouse flowers, and has the advantage of being useful against all other insects except the so-called red spider, which it does not entirely destroy, but it can not yet be safely used for the fumigation of certain other plants owing to the danger of bleaching and otherwise injuring them; hence it will be wise, before undertaking fumigation on a large scale on other plants which will be mentioned, to first try this remedy experimentally on a few plants and in a small way.

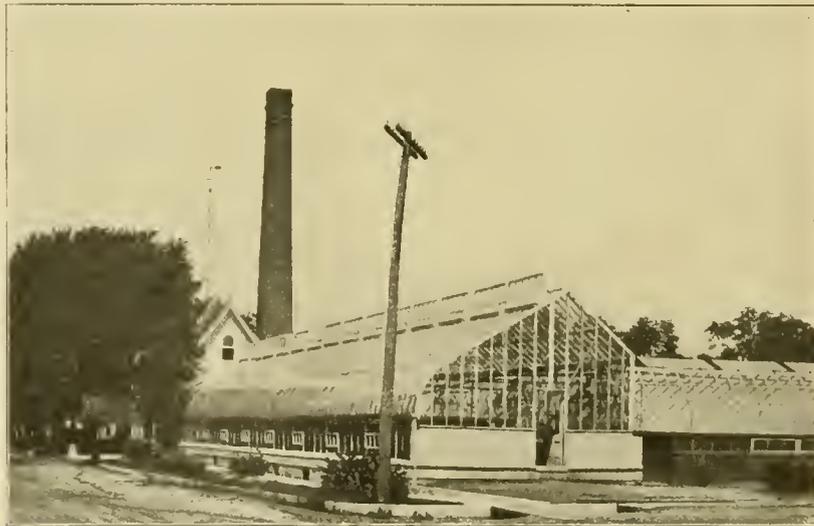
A Tour in Central Indiana.

Central Indiana is now pretty well supplied with interurban railways, and when one wishes to make several towns in one day they furnish an excellent means of traveling, for since they run on hourly schedules (or better) very little time is lost in making connections.

After the rush of Easter I felt that a few days rest would do me no harm, and I could think of nothing better than visiting some of my brother florists. Our first stop was at Tipton to visit J. H. Bornhoeft. We were sorry to find that Mr. Bornhoeft was absent. Roses, carnations, bedding plants and Asparagus Sprengerii were the principal things grown and they looked well considering the houses they were grown in.

An hour later found me in Elwood, where we first visited Mrs. May Bradley's place. She reported a fine Easter trade and she has been well satisfied with business all winter. In close proximity to Mrs. Bradley's houses is the establishment of A. Duebendorfer. Here we found an up-to-date, neatly kept little place and a stock of Boston ferns that were very fine. He is fortunate to be located on the main street where the city and interurban cars pass every few minutes. Mr. Duebendorfer came to Elwood from Iowa last June and seems well satisfied with business in his present location. Mr. and Mrs. Duebendorfer are very pleasant and hospitable people and it is a pleasure to florists to meet with such cordial greeting.

From Elwood I made my way to Anderson to visit the greenhouses of Stuart & Haugh. Mr. Stuart was as busy as one man could be, but he took time enough to show me through his plant, which was in good order. This is the home of Avondale, a sport from old Armazindy, which is still grown in large quantities. Their carnations, with few



GEO. A. KUHLS ESTABLISHMENT, PEKIN, ILL., LOOKING NORTH.

exceptions, looked well. I noticed an exceptionally fine lot of geraniums in 4-inch pots for the retail trade. I did not have time to visit any of the other Anderson florists as I had an engagement at Indianapolis for early in the evening.

At Indianapolis I saw the Moonlight and Indianapolis carnations growing in their own homes for the third time this winter. The more I see of Moonlight the more I am convinced of its commercial value. It is a pure white of the largest size, fine calax, extra long, stiff, wiry

Forcing *Deutzia Gracilis*.

ED. AM. FLORIST:—Can *Deutzia gracilis* which has been forced this Easter be forced successfully again next Easter if trimmed back and grown in pots all summer? Y.

Deutzia gracilis which has been forced this Easter can be grown in pots all summer and successfully forced into bloom again next Easter. Plunge them outside as soon as possible after the frost is gone to the depth of the pot; expose

mas blooms? We want to do this, but are told by some parties that in forcing freshly imported pips immediately on arrival so small a percentage will flower at Christmas and so many of the pips will spoil in the forcing that handling in this way is not profitable. We would like to hear from some of your well posted readers in answer to this. S. & G.

Lily of the valley can be forced profitably for Christmas flowering if it is the right kind, Berlin pips, and then they must have at least three to four days' frost to give the desired result. But to run no chances, and only with a little addition in the price nowadays, why not use cold storage pips, and have flowers and also plenty of foliage, which is just as important as the flowers? The latter will need less heat.

WM. H. SIEBRECHT.

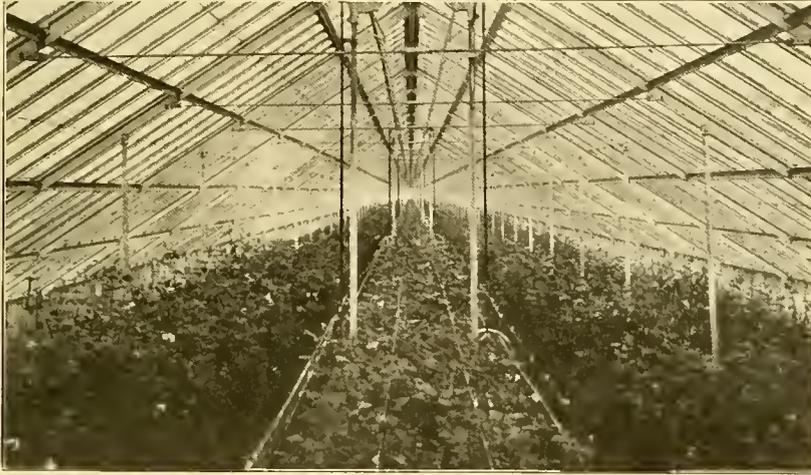
Paying Taxes on Plants.

ED. AM. FLORIST:—We are seeking information whether florists are subject to being taxed on greenhouse stock, or the growing plants. We have paid taxes on the stock for seven years and it is as much on the stock as on the real estate. A. G.

Laelio-Cattleya Dr. Schiffmann.

At a recent meeting of the Royal Horticultural Society of England Sander & Sons exhibited a number of hybrid orchids, among them the subject of this note, named in compliment to Dr. Schiffmann, of St. Paul, Minn. One of the English journals describes the plant as follows: "Laelio-Cattleya × Dr. R. Schiffmann (L.-C. × callistoglossa × C. Mendeli), the plant of which, though scarcely developed, showed flowers approaching the beautiful L.-C. × callistoglossa, but with thicker texture, the front of the labellum being of a rich purplish claret, the sepals and petals white, tinged with purple."

JOLIET, ILL.—The Chicago Carnation Company is offering a silver cup for the best bed of geraniums grown in Joliet this season. The award will be made by the regular judges of the Joliet Improvement Association.



INTERIOR OF NEW ROSE HOUSE OF N. F. McCARTHY & CO., MONTROSE, MASS.

stem and a good healthy grower. Its only fault seems to be that a small per cent of the flowers come single in the dark days of winter. I consider this variety worthy a trial. At Baur & Smith's, Indianapolis, was seen, as usual, a good supply of flowers. Most of the plants, however, were trimmed hard for cuttings and at this time did not show up quite as well as in February. But I think enough of this variety to have ordered as much of it as of any new variety this season. It can be brought in crop early and is a continuous bloomer throughout the season. The store men inform me it is a good keeper. I think it will prove a money maker.

On my way back I stopped to see E. A. Nelson, the president of the State Florists' Association. This is where the Mrs. E. A. Nelson carnation originated and it is surely at home here for such a sight of buds and blooms could hardly be excelled. If we could all grow this variety as it is done here we would hardly want anything else in this color. Mr. Nelson had the misfortune some time ago to have his houses flooded so that fires could not be kept up. This was hard on his rose stock and is the cause of a bad case of mildew. But the new growth is now coming clean and he hopes to have them in shape again soon. Mr. Nelson has about 30,000 feet of glass and he has worked up a retail trade to take all he can produce. At the time of my visit I saw a wagon-load of flowers sent out to one funeral.

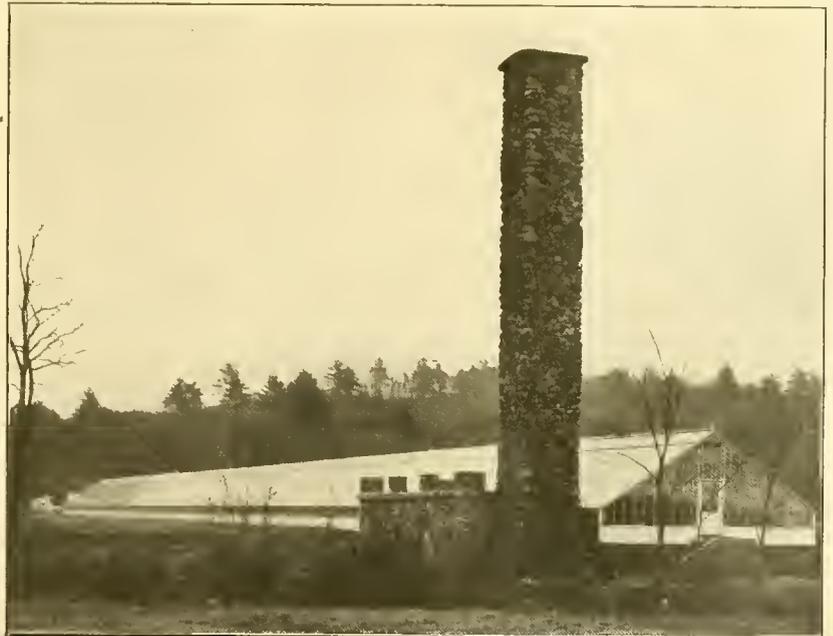
It was my intention to visit other florists in Indianapolis, but I was called home on important business. I shall have to make another visit to Indianapolis to see what the rest of the boys are doing. W. W. COLES.

SARATOGA SPRINGS, N. Y.—One of Chas. Ludwig's greenhouses was damaged \$150 by fire April 8. There was no insurance.

them to the full sun, have some ashes under the pots and see that the drainage is good. Top-dress the plants with a good layer of stable manure, not too fresh. Water freely daily and they should grow luxuriantly. Shift them into a size larger pot in September and they should make fine stock for next Easter's forcing. WM. K. HARRIS.

Forcing Lily of the Valley.

ED. AM. FLORIST:—Is it practical to force freshly imported lily of the valley received about November 15 for Christ-



EXTERIOR OF NEW ROSE HOUSE OF N. F. McCARTHY & CO., MONTROSE, MASS

THE RETAIL TRADE

The flower cotillion appears to be growing in favor.

CATTLEYA CITRINA is now in season. A few plants with their pendulous flowers of waxy yellow will always attract attention in the window and will last in good condition for a long period.

A WELL-MANAGED show window is a prime investment and unexcelled as a business getting advertisement. A large and costly display is not essential; indeed over crowding should be avoided at all times. Something odd or unusual will attract attention where a profuse display of familiar objects will not. It matters little what it is only that it be out of the ordinary line or noticeably unseasonable and that it be given the "center of the stage" to itself. A fine orchid in bloom, a few anthurium flowers or Barberton daisies are suggestions and these all have good lasting qualities.

A LARGE circular space in the floor of Galvin's Tremont street flower store in Boston, is arranged for convenience in washing plants. Sloping slightly to the center it is connected with the sewer pipe and the hose can be turned on with impunity. For syringing and freshening up decorative palms and such material it is especially useful and convenient. A new tessellated floor is being laid in the store. The pieces are of rubber instead of the tile commonly used and it is said will last a hundred years. It can be taken up without injury and relaid in case of removal to another store. The bill will be about \$2,000.

Hoagland-Godfrey Wedding Decoration.

The Hoagland-Godfrey wedding decoration on April 21, was the most elaborate of the season in New York or, in fact, in the United States. The work was done by Thorley and, as there was no stint in regard to expenditure, every effort was made and with success, to produce a unique and beautiful floral scene. St. Bartholomew's church never looked prettier. On each side of the centre aisle throughout its entire length were placed "torchers," each seven to ten feet high and crowned at the top with a cluster of 500 long-stemmed Bride roses with a kentia on the centre. On the pew

ends, underneath these immense standards, were tied large bunches of white stock with wide white ribbon.

The capitals of the great onyx pillars were adorned with masses of hydrangeas and lilies, arranged in wire frames shaped like window boxes, from which hung long pendants of English ivy, producing a very rich effect. A wide hedge of white extended across the entire front of the chancel. The front row was of white azaleas, back of which were white hydrangeas interspersed with daisies, the whole backed with tall specimen kentias. The kneeling bench was elaborated into a rich bed of yellow pansies, the favorite flower of the bride, sufficient space being covered with white satin as a protection for the bride's dress. The altar was adorned with massive vases of longiflorum lilies.

White sweet peas and gardenias were the components of the bridal bouquet, which was made in eight separate sections which were distributed after the ceremony among the bridesmaids. In one of the sections was concealed a ring which was supposed to insure its lucky possessor as the next in line for matrimonial joys.

The decorations of the house were on a similar scale of magnificence. Large vases each holding fifty American Beauty roses, bedded in Adiantum Farleyense were on the mantels. The base of the staircase on the first floor was bowered in a mass of Crimson Rambler roses. The first landing above was similarly adorned with Ulrich Brunner, the next with bougainvilleas and the highest with jonquils and daffodils. The rooms leading from each landing were decorated in the same colors.

Mirrors and doorways were garlanded with Crimson Rambler and other roses. The bride received in an arbor of palms gracefully surmounted by a semi-arch of Spiraea prunifolia and apple blossoms. One of the reception rooms was done exclusively in Liberty roses so arranged as to represent standards in bloom, each bearing 500 blossoms.

IRONDEQUOIT, N. Y.—The blizzard of April 20 caught many of the gardeners of Irondequoit unprepared to battle with such cold weather, some of them having but little coal on hand. In some instances the snow is so heavy it breaks the glass in the hot beds.

Chicago.

The market has been in an unsettled condition for a week, some days bringing spurts in business, both shipping and local, and others remarkably quiet. It is the beginning of the annual spring quiet and the trade is resigned, everyone being apparently satisfied. There is plenty of good stock in the market, too much, in fact, for the small demands. Rose prices are unstable and carnations have eased up considerably. Green goods continue scarce, ferns and smilax really being the only marked scarcity in the market. Another advance in fern prices is noted, some dealers asking as high as \$5 per 1,000.

There was an enthusiastic attendance at the special meeting of the Florists' Club bowlers at the Geroux alleys Tuesday evening, April 26. Everyone took part in the discussion of the plans for selecting the team that is to battle for Chicago at the S. A. F. tourney at St. Louis at convention time. The committee, P. J. Hauswirth, George Asmus and George Stollery, who have the final arrangements in hand, will submit a report at the next meeting, Tuesday evening, May 3. A preliminary tournament will be played in the near future for the purpose of sifting out the available timber.

Poehlmann Brothers Company will soon commence operations on the building and rebuilding of many of the greenhouses at Morton Grove. Fifteen houses will be rebuilt and equipped with iron gutters. Seven new houses will be constructed. Two of these will be devoted to asparagus growing which the company will try this year for the first time. The other houses will be used for carnations and smilax. In all about 150,000 feet of glass will be added.

The spring meeting of the Woman's Auxiliary of the American Park and Outdoor Art Association will be held this (Saturday) afternoon in the south parlor of the Auditorium hotel at 2:30. Clinton Rodgers Woodruff, of Philadelphia, president of the association, will be the guest of honor. A social hour will follow the meeting.

The daily papers chronicle the suit in trover for \$2,000 which was filed against Oscar J. Friedman in the superior court last week. John G. Crawford is the complainant. The plaintiff's attorney states that the suit is for the recovery of money said to have been found by the defendant.

The Gardeners' and Florists' Union on Monday ordered the ultimatum sent to Governor Yates that unless their demands were acceded to before May 4 a strike of the gardeners and florists of the West Park systems would take place that day.

John T. Muir will soon move his retail flower store to his new building at Grand boulevard and Forty-seventh street. His old place at 3530 Michigan avenue will be sold. Mr. Muir has the management of the estate of S. Muir.

Nearly 100 boys and girls of Buena Park have organized themselves into a movement to beautify the suburb. The name of the organization is the Young People's Auxiliary of the Buena Park Citizens' Association.

Axel Hallstrom, formerly head gardener for J. J. Hill, St. Paul, Minn., was a visitor this week. He spent part of the winter at Fort Pierce, Fla., and will return there next week to engage in fruit growing.

Miss Nellie C. Moore, of Batavia, will shortly move to Morton Grove, where she will go into the wholesale growing



BED OF ASTERS GROWN BY CHARLES OTTO HORN, HELENA, MONT.

business. She will start with 10,000 feet of glass.

Phil Hauswirth will go to Quincy to-night (Saturday), where he will attend the state convention of Red Men.

J. A. Budlong handled a quantity of New Orleans peonies this week. His American Beauty stock is specially fine.

Hocking Valley coal is now \$3 a ton within the shipping limits, but the price is liable to change at any time.

Mrs. J. B. Deamud and little son have gone to Cairo, Mich., where they will spend the summer on the farm.

C. Cropp has been elected trustee of Western Springs and J. S. Wilson president of the school board.

The Florists' Club meetings hereafter will be held on the second and fourth Thursdays of the month.

A carload of palms was shipped from Vaughan's Greenhouses to St. Louis early in the week.

Alex. Newett, of J. B. Deamud's, is ill with lumbago at the home of his mother-in-law at Joliet.

The Fleischman Floral Company has moved from State street to 3 Jackson boulevard.

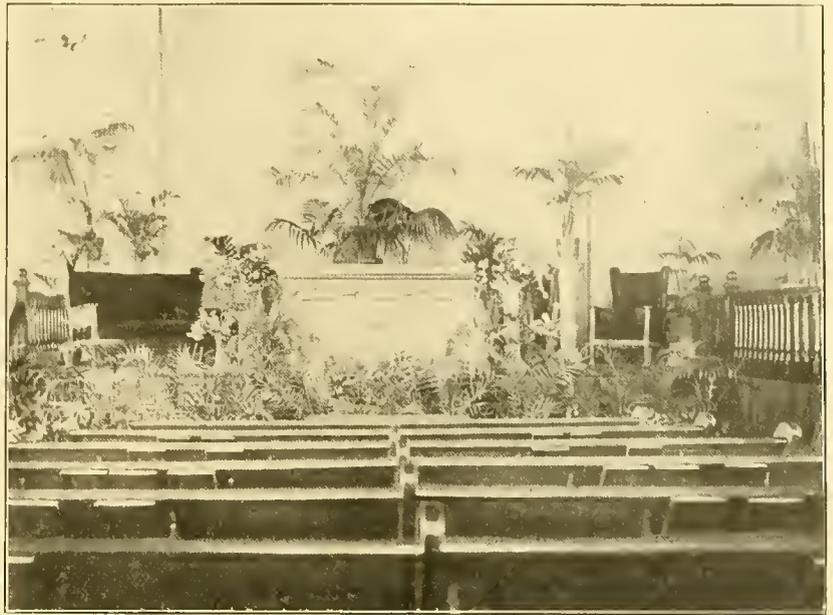
R. Schmidt, of Riverside, who has been ill with pneumonia is now improving.

Visitors this week were John A. Evans, Richmond, Ind.; L. A. Jennings, New Castle, Ind., and Robert L. Graham, Baltimore, Md.

New York.

The present week sees a most decisive fall-down for the cut flower market. Warmer skies have pushed along the tardy buds, and many houses, of roses especially, are now in full crop. Under the favoring conditions the proportion of first-class blooms produced in comparison with the cheaper grades is much larger than is the case at any other season. The result is a surplus of the higher grades and a weakening of their value. It is not unusual for high-class American Beauty to be bought now and one-third or one-half of the big stem to be cut off and thrown away. Beauty is still suffering to some extent from the presence of the Brunner in the market. The choicest thing in roses just at present is the crested moss, of which many beautiful bunches are seen. Carnations are hardly up to the quality of the early April product. Many "sleepy" specimens are in evidence and phenomenally large or otherwise fine flowers are not plentiful. Bulbous stock is rapidly waning. Narcissi in the choicest trumpet varieties are splendid and are favored, as they deserve, by the large retail establishments, where they are used for window adornment with fine effect, and find ready sale for use in vases and bowls, loosely arranged. Violets are nearing their end. Many shippers have discontinued sending. The flowers seen are generally of poor quality, feeble and emaciated looking. For good ones a good price is now assured. Trailing arbutus of particularly bright color is very abundant this week.

Hitchings & Company are busy in the building line. At the present time they have contracts on hand for F. A. Day, Newton Mass., range of houses; J. B. Case, Weston, Mass., three houses; Mr. Bigelow, Cohasset, Mass., range of houses; F. Peabody, Jr., Hyde Park, Mass., range of houses; Mr. Erwin and C. E. McIntosh, Holyoke, Mass., one house each; E. D. Clark, Providence, R. I., one house; T. Curley, Providence, R.



CHURCH DECORATION FOR DEDICATION SERVICES.

(By Z. D. Blackstone, Washington, D. C.)

I, three houses, and Miss Codman and Miss Kettletas, Newport, R. I., each one house.

An employe of John Cassidy & Sons, Long Island City, turned up a human skull while digging one day last week. It is believed to be the skull of Gulden-suppe, who was murdered at Woodside, half a mile distant, some years ago.

W. H. Siebrecht has purchased the fine estate of the late J. E. Lockwood, opposite his place at Astoria, and will utilize it in the extension of his present business facilities. It is one of the finest pieces of property in Astoria.

The Wm. Stuart Allen Company has been incorporated and will carry on a wholesale cut flower business as successors to W. S. Allen at 53 W. Twenty-eighth street. W. S. Allen is president of the company.

At the next meeting of the Florists' Club, Monday evening, May 9, there will be a special exhibition of bedding plants and all having novelties in this line are invited to show them.

Wm. Ghormley has been confined to his house since Tuesday with a painful affection of the eyes. Mr. Ghormley celebrated his birthday last Friday.

John N. May has returned from the south greatly improved in health.

NOTES.

The annual meeting of the stockholders of the Cut Flower Exchange will be held May 7. All stockholders are requested to be present or to send proxies, so a quorum will be assured. At this meeting five directors will be voted for in place of John Johnson (deceased), Chas. Smith, Philip Miller, Wm. C. Duncan and John Taylor.

F. Neipp, of Aqueduct, has leased the greenhouse establishment of John Hopkins. Mr. Neipp intends growing carnations exclusively as the ground there is very suitable for them. Mr. Hopkins' ill-health unfits him to attend to business and he will seek a rest for some time to come.

Charles Lustgarten, of Astoria, will shortly move into his new house at Elmhurst. Mr. Lustgarten is building

several greenhouses embodying the very latest ideas in construction. He grows an enormous quantity of bulbous flowers.

Miss Louise Muller, daughter of J. H. Muller, of 55 Stuyvesant avenue, Brooklyn, who has a store on Gates avenue, was married to John Stokes, of Brooklyn, last Wednesday evening.

Wm. H. Brower's Sons have leased a new store between Thirty-eighth and Thirty-ninth streets and Fifth avenue and will vacate their Broadway store.

Gustave C. C. Schrader had a midnight prowler in his greenhouses last Sunday night and finds himself minus \$15 worth of smilax.

E. Bonnot, of the firm of Bonnot Brothers, intends making extensive alterations at his greenhouses in Flemington, N. J.

Frank Wiseman, of Dutch Kills, forged the name of Wm. H. Siebrecht to a check last week, and as a consequence is in the lock-up.

The eastern office of the AMERICAN FLORIST is now at 42 W. Twenty-eighth street.

P. J. K.

Philadelphia.

A burst of warm weather last Monday livened things up with the bedding plant men and started their stock moving with a rush. It is astonishing to see the amount of bedding and rose plants that are now crowding houses that the last week of March were crammed to the doors with Easter stock. James Cole, of Walnut and Fifty-fifth streets, is especially strong on geraniums, his stock running into the thousands, and mostly grown in 4 inch pots. There is also a fine variety of other bedding plants. George Carpenter also has a large and well-grown assortment. All the popular varieties of bedding stock in the houses and frames full outside are only waiting a few days of continued sunshine to set them free. Jacob Becker is very busy with his pot roses. He makes a specialty of this, growing his stock from cuttings and doing but little with imported stock. He has the largest and most varied stock in

the city. This year he is also growing quantities of bedding stock.

Business in the stores has been quiet the last week and stock is plentiful. There has been a great fall in the price of Beauty roses, the best being now offered at \$2 per dozen. Liberty specials bring as much, although some choice stock is seen at \$15. Carnations are beginning to pile up; the specials, particularly the Lawson, are feeling the effects of the strong sun which, coming after a couple of cloudy days, scorches and bleaches the edges of the flowers. There are some home-grown daffodils about, and although most of the Southern stock is out of the way it is hard to get a price, as the public is now used to extremely low prices and rebels against any advance. Snapdragon is now very fine and is seen in all the windows. \$1 to \$1.50 per dozen sprays is the price. This week will about wind up the violets. The stock now coming in has fragrance, being very sweet, but double quantity has to be put into a bunch to make up the size.

Edwin Lonsdale, who last week made an assignment for the benefit of his creditors, has been appointed superintendent of the grounds at Girard college, to succeed the late George Huster. This is an important position, as the lawns and flower beds about the institution have been noted for their high state of perfection. That this state of affairs will continue under the new management goes without saying, as Mr. Lonsdale is an admirer of just such work and always took great pride in keeping his own grounds thoroughly up-to-date. A special meeting of the Florists' Club was called to endorse him for the position, but after the resolutions were passed it was announced that he had already been tendered and accepted the position.

"S. S. Pennock, 'the' wholesale florist of Philadelphia," is the wording on a lead pencil being distributed to the trade by this enterprising gentleman. Nothing like using the proper word in the proper place.

President and Mrs. Philip Breitmeyer, of Detroit, Mich., were in town on April 27 attending the wedding of the latter's brother, which took place that evening.

W. C. Murray, of Atco, N. J., is still sending in fine mignonette. He also does the Queen Louise carnation fine and says it is one of his most profitable whites.

Felix Myers, late of Robert Craig & Son, has opened a retail establishment at Haverford avenue and Fifty-second street.

John G. Lamb, 210 South Fourth street, has been appointed assignee of Edwin Lonsdale's estate. K.

Boston.

After a week of very gratifying activity the cut flower trade shows evidences of depression. Spring-like weather is pushing the crops along, and stock on hand is accumulating with the wholesalers while prices are beginning to take a downward course. As a rule the quality is good as received, but the street fakirs seem to get a line on some pretty poor material, which shows that it has been kept in storage somewhere and withheld from the street men as long as it was in respectable condition. And this is a pretty good policy.

W. E. Doyle arranged the decorations for the Clark-Andrew wedding, which has been generally commented on as one of the richest floral displays of the season. The church decorations were very lavish, including large groups of palms and azaleas and heavy bunches of longi-

florum lilies on the pew ends along the center aisle. The pulpit was almost buried in lilies and asparagus. At the residence the reception canopy was made of asparagus and Bride roses. The various rooms were adorned in separate colors, according to the fashion now prevailing, one in pink roses, one in daffodils, one in lilies. The breakfast table had American Beauty and lily of the valley, and the dining room white lilacs.

The meeting of the Gardeners' and Florists' Club on Wednesday evening, April 20, was very well-attended, there being about fifty gentlemen present to listen to Peter Fisher's paper on "The Carnation," and a very interesting discussion followed. The next step in the onward course of this organization is for all these gentlemen who find it an interesting and helpful institution to enroll their names as members and assist as best they can the good work of rehabilitation now so auspiciously under way.

Mrs. Carroll, mother-in-law of Ed. Welch, of Welch Bros., died on Saturday, April 23, from the effects of a stroke of paralysis.

Recent visitors: Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia; A. Cleary, New York; P. Koster, W. Van Kleef, Jr., and J. Dijkhuis, all of Boskoop, Holland.

Baltimore.

The weather theme is one of which all get heartily tired, but its intimate connection with the cultivator's hopes, results, successes or failures, makes it foremost in thought and speech. Yesterday we thought summer had come and to stay, and the general belief founded on experience is that it is likely now to come at once and stay long, and probably torrid and dry. The thermometer went above 80° in the shade and people began to seek the shady side of the street and contemplate adjournment to the ice boxes. But to-day (April 26) we are back in March, low temperatures and chilling winds with raw edges being on abundant tap. The month has been the coldest April on record, and all garden work is backward. Within the week there has been ice several mornings, and such crops as are in the ground have suffered more or less.

Business is restricted largely to funeral work, though there have been several weddings with good floral decorations. The hospital trade is a feature with the Baltimore florists. This city is the seat of medical and surgical institutions renowned, with their physicians and surgeons the world around, and patients come hither from every direction for treatment. Naturally this involves the use of many flowers sent or ordered by friends, largely by 'phone or telegraph, as messages of cheer, hopefulness or congratulation, and this factor adds considerably to the cut flower business.

Trade is rather languishing. For a few days last week there was some animation, but it hardly held and towards Saturday evening it was hard to close out the stock in hand except by accepting prices abnormally depressed. Cut flowers increase in supply. Roses are overabundant; carnations are hardly in excess of calls, except for one or two days in the week. Violets are practically over. Greens continue scarce.

The war department has authorized the decoration of the grounds at Fort McHenry near this city by the planting of flower beds, and the proper officer will make requisition on the United States

department of agriculture for flower seeds, etc. This is a new combination—Mars and Flora!

The Pennsylvania Railroad Co., on its Baltimore division, has practically abandoned the use of flower beds at the stations along its line, substituting groups and borders of hardy flowering shrubs. The work seems to be in suitable hands, as the effects are very satisfactory.

One or two of the Charles street flower stores have been unusually bright this week, their windows massed with fine specimens of azaleas, hydrangeas, lilies, etc.

Robert L. Graham, Old York road, has been called to Chicago to the bedside of a brother critically ill with Bright's disease.

Mrs. Wm. McRoberts is seeking to lease her greenhouse plant at Govans-town.

The parks and city squares are gay with multicolored hyacinth and tulip beds.

Thos. H. Patterson, Old York road, is offering his property for sale. S. B.

Washington, D. C.

Business has been good during the last week and prices are holding up well. There has been considerable official entertaining, a number of weddings, club dinners and lesser social events. There is an abundance of good stock on the market. From quite cool weather the thermometer on April 25 jumped up to 86° in the shade at noon followed by rain in the evening. This was welcome to those growers who have been planting out, as the ground was very dry. The following prices prevail: American Beauty roses, \$3 to \$9 per dozen; Bride, Bridesmaid and other roses, \$1.50 to \$2.50 per dozen; carnations, 50 cents to \$1 per dozen; violets 50 cents per bunch of fifty; Harrisii lilies, cut, \$1.50 per dozen; callas \$1.50 per dozen; tulips, 50 cents and 75 cents per dozen; daffodils, 50 cents per dozen; valley, \$1 per dozen; sweet peas, 50 cents per bunch.

Representative Daniels, of California, has introduced in the house, by request, a bill providing for the purchase for government purposes of all the land south of Pennsylvania avenue extending west from the capitol to the white house grounds, and south as far as the mall. The bill also provides for a new plan of botanical gardens and for the construction of model exhibit buildings therein. It is improbable that any action will be taken on the bill during the few remaining days of the session. A merry row is on over the location of the new agricultural building and it looks as though the final selection of a site will be with President Roosevelt.

Representative Wadsworth, chairman of the house committee on agriculture, is quoted as saying in reference to the vista for which the Newlands bill provides: "All this new fangled business may sound fine enough, but I don't know anything that would look prettier or more inviting than a beautiful parkling with winding paths and roads. I see the senate has passed a bill extending the mall to 860 feet wide, but this bill will never get through the house. There is no use for such a wide affair, and it will never get through the house."

The Florists' Club, which has been in a dormant state for about nine months, will meet on Wednesday evening, May 4, at Schmidt's hall, 516 Ninth street, N. W. There will be an election of officers,

and quite a number of new members will be admitted, so I am informed. The license tax of \$15 for each place of business is an annoyance to those who grow, and also have stores and market stalls. The greenhouse license, at any rate, seems to be unfair. It is probable that this matter will be taken up by the club.

Geo. C. Shaffer had a dinner-decoration on April 25 at the Japanese legation for which American Beauty roses and Japanese spring blossoms were used. To preserve neutrality, I may say that the Countess Cassini held a fair on the afternoon and evening of April 26 for the benefit of the Russian Red Cross Society, at which the flower booth was an attractive feature.

Flowering peach, plum and cherry are now in the market in large quantities and sell well, the price being large for an occasional fine specimen or novelty. Geo. H. Cooke has sent out several handsome affairs in this line.

Z. D. Blackstone has had several good decorations for weddings and one for the dedication of a church.

S. E.

Buffalo, N. Y.

I made a visit last week to Charles Sandiford who has charge of the Albright grounds and greenhouses. One feels after a visit there that flowers grown for pleasure are very different from those commercially grown. In his small but neat place I saw Crimson Rambler roses that were grand, one plant having four clusters of 447 flowers. Then there was the Farquhar rose that was perfect, also Baroness Rothschild, Paul Neron, Mrs. John Laing and Capt. Hayward. Where there were only a few plants of each, the flowers were grand. His azaleas were fine and *Primula obconica* as it should be grown was a sight to behold. Another pretty thing was the Japanese Snow Ball which Mr. Sandiford says is the best shrub he ever grew. In his sash beds we saw daffodils that would put two Prosperity in the shade for size, and fine Princess violets. A few carnations are grown, such as Lawson, Boston Market, Gov. Wolcott, Roosevelt and Harlowarden. The orchids were not in bloom to any extent. When it is taken into consideration that he has only about 18x100 feet to grow all this stock in, Mr. Sandiford is to be commended.

Weather conditions were very unfavorable for trade last week. Eleven inches of snow Saturday gave the greenhouse men a respite from the usual cry: "Why do you not trim your trees, rose bushes, etc.?" While the snow was coming and while it lasted we were not bothered. Bulbous stock was very scarce last week, everything seeming to be off crop at the same time. The most important event this week will be the Albright wedding, which will be the most brilliant of this spring. We call it spring, but snow storms are all the rage. On this day, April 19, we have had snow all day.

William Scott called last week looking well after a week in Corfu. His hair is not yet long as it should be to be characteristic of a rural writer. It could get long on the sides, but not on top.

W. F. Kasting will be in his new quarters this week. While they will be farther from the business center they will be much larger and better adapted for his business.

Prof. Cowell has returned from his southern trip loaded down with rare plants and increased knowledge.

W. C. Buechi of Genesee street is out

for all the local trade and can now be reached by telephone.

Mr. and Mrs. S. A. Anderson have returned from their southern trip.

Two store openings in the near future will give good orders.

W. F. Kasting is in Albany at the democratic convention.

J. B. Wiese has gone to Philadelphia for a short trip.

BISON.

Pittsburg.

The weather here continues unseasonably cold. Practically no outdoor planting can be done. Fruit has been experiencing very trying conditions and has undoubtedly suffered greatly on account of the frosts and freezing temperature. Business, too, is undoubtedly affected by these causes, as it continues draggy. American Beauty is getting first-class again, as are Liberty and Bridesmaid. Cheaper grades of roses are good values and plentiful. Carnations of all kinds are plentiful, reasonable and moving nicely. Lily of the valley, marguerites, gardenias and sweet peas are fine. Greens are plentiful and very little good bulbous stock is to be had.

The Pittsburg Florists' Exchange has leased the first and second floors at 228 Diamond street. The remodeling of the interior will begin at once. A large stationary refrigerator will also be installed. The new quarters will be ready for occupancy early in May.

On Tuesday morning one of John Bader's wagons was badly damaged by an electric car accident in Federal street, Allegheny. The driver, John Moore, and the horse were badly bruised. Mr. Bader has three men on the sick list this week.

The Pittsburg Rose and Carnation Company is cutting fine American Beauty again and also especially fine Bridesmaid and Kaiserin.

Charles Erhardt, a former Cleveland florist, has been appointed as a traveling representative of the Seger Coal and Coke Company.

G. L. Tyler, of Du Bois, Pa., spent a few days in Pittsburg last week visiting local plants. Mr. Tyler expects to expand his plant.

Patrick Maier has been successfully unloading his fine crop of Harrisii.

Visitors: William Schmidt, of Schrader & Schmidt, Johnstown, Pa., Mr. Fancourt, of S. S. Pennock's, Philadelphia, Pa. E. L. M.

Albany, N. Y.

The firm of Whittle Brothers has received the order for the decorations for the commencement exercises at Williams college in June for the eighth consecutive year. The same firm also decorated the headquarters of Tammany Hall and of W. R. Hearst at the Ten Eyck hotel during the sessions of the Democratic state convention on Monday.

The board of contract and supply will soon advertise for 450 cubic yards of ¾-inch trap rock, 450 cubic yards of gravel and 160 cubic yards of stone screenings for use this spring by the bureau of parks.

The city has accepted the gift of a fountain to cost about \$1,000 from the National Humane Alliance. The common council at its last meeting appropriated \$100 for the construction of a foundation in Townsend park at the intersection of Central and Washington avenues, where the fountain will be located.

Albany was filled with a large number

of delegates and visitors at the state-convention on Monday. Among the number were William F. Kasting of Buffalo, Alexander McClelland of Dobb's Ferry.

The local florists are already booking many orders for decorations for June weddings.

August Rolker of New York was in the city on business early in the week.

R. D.

Alvin, Tex.

The jasmine season has opened up very auspiciously and C. W. Benson, the veteran shipper of these flowers, expects a good season. This is Mr. Benson's eleventh year in the business and he says that it is increasing year by year. The shipping of these flowers makes one of the leading industries here and quite a number of small growers and dealers are engaged in it. Mr. Benson, however, controls about seventy-five per cent of the acreage under the jasmine and he devotes considerable attention to the cultivation of the plant. Mr. Benson is of the opinion that the grandiflora cape jasmine is not grown to a great extent at any other point in the United States, although there are several fields of *Gardenia florida* in the southeast. The flowers of gardenias grown by eastern florists are, in his opinion, from thirty to fifty per cent smaller than in grandiflora.

OBITUARY.

John Morton.

John Morton, an old-time florist of Richmond, Va., died April 23. Mrs. Morton and Mrs. Peter Henderson were sisters.

Robert Thyne.

Robert Thyne, a member of the well known firm of James & Robert Thyne, of Glasgow, Scotland, died April 1, aged 83 years.

Robert M. Merritt.

Robert M. Merritt, formerly well known in the Chicago seed trade, having a store at 65 Lake street, died April 26, aged 67 years. The funeral was held at his late residence, 851 W. Monroe street, Thursday, April 28.

Mr. Merritt came to Chicago from the northern part of the state in 1869, before the great fire, and first engaged with P. S. Meserole, the seedsman on Lake street, near Clark. After the fire in 1871 he continued with F. S. Kellogg, who had been one of the partners and was successor to P. S. Meserole and was with him at 65 West Lake street. Later he was manager for Bradley & Banks.

In 1877 Mr. Merritt started in business for himself under the name J. E. Merritt, at 65 E. Lake street, and continued there in business for seven years, until 1884. He suffered quite a loss by fire about 1883. Mr. Merritt's wife and married daughters survive him.

Advertising Gets Results.

AM. FLORIST Co.—It gives us pleasure to say that each year we have traced business resulting from our advertisement in the AMERICAN FLORIST, this being our second year advertising in your paper. Our contract for the year with you ends in May and we expect to renew the same for another year.

ALBANY STEAM TRAP COMPANY.
James H. Blessing, Sec'y.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

The eastern office of the American
Florist is now at 42 W. Twenty-eighth
street, New York.

THE St. Louis World's Fair opens
to-day.

It is believed that glass will advance
in price as the weather improves.

In H. Louis Menand's galax advertisement,
page 580 of last issue, the price
should have been \$1 per 1,000.

DR. R. SCHIFFMANN, the well known
orchid enthusiast, of St. Paul, Minn., has
just returned from the far east with as
fine a lot of phalaenopsis as ever reached
these shores.

LONGIFLORUM lilies that have bloomed
in the greenhouse without undue forcing
may be made to yield a little further
profit by a bit of attention and planting
out about May 1. They will bloom in
September under ordinary conditions.

THE Scott fern seems to win with
everyone who sees it. All indications are
to the effect that for every day sales as a
pot plant it will practically supplant the
original Boston fern. From the stand-
point of the grower it has all the points
of a money-maker.

Sow Asparagus plumosus seeds now.
This most useful of decorative greens
should be more widely grown than it is.
Skyscraper houses are not needed for it. It
is the iron-like growths, not the long
strings, that find the most useful places
and best sale in the market. These can
be grown anywhere that a fern can be
grown in.

LEFT-OVER azaleas are worth caring
for and if intelligently handled can be
made into nice stock for next fall. Their
growing season is now on and on the
growths now made will depend the crop
of flowers they will set for next season.
A cool house, the removal of all dead
leaves and seed pods, and frequent syring-
ing, will just suit them.

GOVERNOR BATES in his annual pro-
clamation concerning the observance of
arbor day makes the very sensible and
pertinent suggestion that the occasion
be observed by a united, systematic
effort to rid the state of the insect pests
which during the past few years have in
rapidly increasing numbers threatened
the sylvan beauty of Massachusetts.
The state has spent hundreds of thou-
sands of dollars in the work of destroy-
ing the gipsy and brown-tail moths but
if a general popular interest in the task
of extermination can be aroused a much
more practical solution of the great

problem will have been reached. Inspired
with a common purpose at this very
appropriate time, the people can accom-
plish much for the public welfare.

Poor Putty Cause of Suit.

Chas. H. Rayner, of Anchorage, Ky.,
has brought suit for \$3,500 against E.
H. Marcus, a paint dealer, for supplying
putty of inferior quality when the best
quality was asked for and paid for. Mr.
Rayner recently built a range of houses
and owing to this poor putty will have
to take the glass out and put it in again.

Lewis and Clark Centennial.

After the St. Louis World's Fair comes
the Lewis and Clark Centennial, to be
held at Portland, Ore., from June 1 to
October 15, 1905. E. R. Lake, of the
Oregon Agricultural College, will have
charge of the botanical and horticultural
sections, George Coote, of the same insti-
tution, having control of landscape
gardening and floriculture.

Congress of Rosarians.

A conference of French rose growers
will be held at Nancy towards the end of
August next. The following are the sub-
jects for discussion: 1, Classification of
Roses; 2, Synonymous Roses; 3, Hybri-
dization; 4, The Best Varieties for the
East of France; 5, Retarded Roses for
Winter Flowering; 6, The Influence of
Grafting; 7, The Best Remedies for Insect
Pests; 8, The Best Means of Protecting
New Varieties for a Definite Period; 9,
Bengal Roses; 10, The Best Varieties of
Bourbon Roses; 11, The Best Polyantha
Roses; 12, The Best Roses Distributed in
1898 and Two Following Years; 13,
The Best Tea-scented Varieties for Cut
Blooms.—*Gardeners' Magazine*.

Scotland's International Exhibition.

A great international horticultural
exhibition will be held at Edinburgh,
Scotland, September 13-15, 1905, inclu-
sive, under the auspices of the Royal
Caledonian Horticultural Society and
the patronage of the king. It is fourteen
years since the last international horti-
cultural exhibition in Scotland and the
society feels that the time has now
arrived when another should be held to
show the marked advances in horticul-
ture. The show will be held in the
Waverly market, famous as the scene of
many great exhibitions. For copies of
the preliminary prize list apply to the
secretary, P. Murray Thompson, 5 York
place, Edinburgh, Scotland.

Park and Outdoor Art Association.

The eighth annual convention of the
Park and Outdoor Art Association will
be held in the Minneapolis and St. Paul
building, World's Fair, St. Louis, Mo.,
June 9-11 inclusive, in conjunction with
the American League for Civic Improve-
ment. An effort will be made to place
both societies under one governing body
with the title of American Park and
Improvement Association. The pro-
gramme includes the following papers:
"School Gardens," by Dick J. Crosby,
Washington, D. C.; "Municipal Art," by
Dr. Milo R. Maltbie, New York; "Park
Census," by G. A. Parker, Hartford,
Conn.; "Village Improvement," by
Warren H. Manning, Boston; "Public
Advertising," by Frederick Law Olm-
sted, Brookline, Mass.; "Railroad
Improvement," by Mrs. A. E. McCrea,

Chicago; "Local Improvement," by Mrs.
Louis Marion McCall, St. Louis; "Lib-
raries and Museums," by John Thomson,
Philadelphia; "Forest Reservations," by
E. J. Parker, Quincy, Ill.; "Arts and
Crafts," by Mrs. M. F. Johnston, Rich-
mond, Ind.

Wood Lice or Sow Bugs.

ED. AM. FLORIST:—Please give remedy
for wood lice in greenhouses. J. H.

To a quart of cornmeal add enough
brown sugar to sweeten, mix well
together and add two tablespoonfuls of
Paris green. Moisten with a little water,
so that it will hold together. Place the
mixture about in small quantities, on or
under the benches, or wherever the bugs
may be.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 is entitled to a five-line WANT
ADV. (situations only) free, to be used at any
time during the year.

Situation Wanted—As foreman or manager on
a retail place; competent, and good references.
State wages. Address
W, care American Florist.

Situation Wanted—By practical grower of cut
flowers to take charge. References. State wages
without board. Address
GROVER, care American Florist.

Situation Wanted—By good all-around man.
Best of references. Missouri or Illinois preferred.
State wages. Address
FLORIST, care American Florist.

Situation Wanted—Expert rose grower is open
to engagement where a foreman of the highest
qualifications is needed. His specialty is high
grade cut blooms. Address
SPECIALIST, care American Florist.

Situation Wanted—As foreman to take entire
charge; a first-class grower of cut flowers and
plants, capable of managing a large plant; whole-
sale preferred. First-class references. Address
FLORIST, 815 Race St., Philadelphia.

Situation Wanted—By all-around grower; de-
signer; 36, married; life experience; 12 years on
last place, 4 years in present place where I have
entire charge of 25,000 feet of glass. References.
State wages. Address A K, care Am. Florist.

Situation Wanted—To take charge of cut
flower growing plant in Chicago or the west pre-
ferred or would take charge of good section. State
wages. Retail growers please do not reply.
WM. KIRKHAM, 154 S. Clark St.
Chicago Hotel, Chicago, Ill.

Situation Wanted—By a first-class grower of
All roses, carnations, as foreman, wholesale or
retail; single; 16 years' experience. Good wages
expected. No place of less than 20,000 feet con-
sidered. Strictly temperate. Address
RELIABLE, care American Florist.

Situation Wanted—By good all-around florist,
single, German, age 39, good grower of palms,
roses, mums, etc. and general stock. Life expe-
rience. Private or commercial. At Liberty June
1st or sooner. State wages. Address
FLORIST, Austerlitz, Bourbon Co., Ky.

Help Wanted—A carnation grower; practical
man; references; good wages. Apply at once to
M. WEILAND, 1917 Maple Ave. Evanston, Ill.

Help Wanted—Good all-around man for green-
house work on place where general stock is
grown. Apply to
ESTATE OF S. MUN,
3530 Michigan Ave., Chicago.

Help Wanted—A florist at once on a small place
to grow carnations and general stock. State
wages, with room and board. Address
O. BAUMANN, 469 Water St., Maclester, Mich.

Help Wanted—Foreman for a section of rose
houses, Chicago. Must be competent; married
man. Must answer to person if considered. Ad-
dress
151, care American Florist.

Help Wanted—An all-around florist to grow
roses, carnations and general greenhouse stock.
Must be temperate, reliable and capable. Best
of references required. Address
M S E, care American Florist.

Help Wanted—At once, a young all-around greenhouse man; none but sober and steady man need apply; \$30 and good board to a man that takes interest in his work. Address
OTTO KLINGHEL, Davenport, Iowa.

Help Wanted—First-class rose grower to take entire charge of rose section. Comfortable position and good wages to competent man. Locality suburb of Toronto. References will be required. MILLER & SONS, Bracondale, Toronto.

Help Wanted—Gardener for private place about 170 miles from Chicago. Must be able to take care of greenhouse, lawn and garden. Englishman preferred. VAUGHAN'S SEED STORE, 84-86 Randolph St., Chicago.

Help Wanted—A steady, reliable man, capable of taking charge of growing in a small greenhouse of 4,000 feet of glass where cut flowers and general stock is grown for retail trade. Address M. D. MERRILL, Box 534, South Haven, Mich.

Help Wanted—At once (retail place) a good, sober, industrious, all-around florist, with experience in growing roses and carnations. References required. State wages with board and room, or without. HUGO BUSCH, Jefferson City, Mo.

Help Wanted—A married man, experienced in growing roses, carnations, bedding and bulbous stock; capable of taking charge of same. Must be sober, honest and industrious. American preferred. References required and given. ORLIN B. MILLER, Box 754, Pontiac, Ill.

Help Wanted—At once, a good all-around grower for roses, carnations and general line of plants for wholesale market. Must be steady, sober and not afraid to work. Will pay from \$50 to \$60 per month, according to ability. In answering state where engaged and how long. Dane or German preferred. Address F H B, care American Florist.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references. FRED J. KING, Ottawa, Ill.

Help Wanted—Working foreman to take charge of about 35,000 square feet of glass where roses and carnations are grown for cut flowers; must be up-to-date grower. My place is ten miles out of Pittsburg, Pa. Please state wages expected, with board and washing; also state age and how soon you can come. Also want an assistant florist. JOHN L. WYLAND, Dellaven, Pa.

Wanted—To rent, 15,000 to 25,000 square feet of glass in good condition, on or before June 1st. H C, care American Florist.

For Sale or Lease—Seven greenhouses, 7,500 feet; 8 room dwelling and one acre ground. WILLARD SMITH, Spokane, Wash.

For Sale—Ten greenhouses; about 40,000 feet of glass. Good house and barn. Everything in good order. Ten miles north of Chicago City Hall. P J, care American Florist.

For Sale—Old established greenhouse in the best town in central Kansas. No competition. Good reasons for selling. Address Mrs. JOHN BOCHI, Salina, Kan.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. JAS. RICHARDSON, London, O.

For Sale—14,000 feet of glass in thriving town 8,000 close to large city, in central Indiana. Natural gas. Fine rose soil. Well established retail trade. Fine chance for up-to-date florist. B H, care American Florist.

For Sale or Rent—180 ft. greenhouse, fitted up for carnations or roses; almost new. Situated between South Norwalk and Stanford in the village of Rowayton. 10 minutes walk from train or trolley. JAMES HURST, Rowayton, Conn.

For Sale or Rent—Florists' establishment of 10,000 feet of glass. Heated by steam, everything complete and well stocked. With 2 acres or more of ground. Frame house. 5 miles from center of Philadelphia. DAVID BEARN, Bala, Pa.

For Sale—An elegant greenhouse plant of 20 lots, 40,000 square feet of glass. Modern in every way, all new. A ready market; cannot supply the demand. In a thriving city in Colorado. Will sell reasonably if sold at once. Address W W, care American Florist.

For Sale—Cheap; greenhouse plant, partially consumed by fire. Excellent chance for a practical grower with a little money. Fine retail trade in cut flowers and design work. Possession given immediately. Address CHEESMAN & SOHEPMAN, Richmond, Ind.

For Sale—Twelve greenhouses with about 25,000 square feet of glass on 1½ acres of land, six of which were built last year. Heated with steam. Situated about 14 miles from Pittsburg; five minutes' walk from railroad station. Will sell cheap if sold at once. Address FLORIST, Box 84, Station A, Pittsburg, Pa.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address SAMUEL J. BURNING, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—Well established florist business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. For particulars address FRANK M. PAINE, Traverse City, Mich.

For Sale—A flower, seed and nursery business, in a city of 100,000 inhabitants; good location. Purchaser will have his money returned in short time out of a good trade of a 20 years' established business. Reason for selling, owner has another business and cannot attend to two. Address J. SEUBLENER, 414 14th St., Oakland, Cal.

For Sale.

RETAIL FLORIST'S BUSINESS.

Established in 1865, consisting of store and 10,000 square feet of glass, located on one of Chicago's finest Boulevard Drives, in center of fine residence district; 20 years in present location, with 12 years' lease to run; profitable business. Address

ESTATE OF S. MUIR,

John T. Muir, Mgr., 3530 Michigan Ave., Chicago.

FLORISTS' AMERICAN EXCHANGE

Pointer No. 24.

In a New Jersey City, For Sale—2,140 feet of glass in three houses. Also Hot-beds, Dwelling and Barn. Hot water heating, Jennings' pot benches, well piped, plenty tools, city water. Detailed description on application. Owner has two business enterprises and must dispose of one. This place is well fitted for a general local trade. The good will costs nothing, and is worth much.

Pointer No. 25.

Indiana—11,000 feet of glass nearly new; hot water. Good dwelling house and small barn, all in good condition; 1½ acres land. Population 4,000; two railroads. Will rent with privilege of buying. This place will bear inspection. Don't hesitate to ask questions.

Pointer No. 26.

20 Acres of Land—100 miles from Chicago, population 5,500. A good market. Will put in land as silent partner, and some cash in addition, if a reliable and experienced party can be secured. This opportunity is a good one. In all probability the increase in value of land will be considerable. Your careful investigation is solicited.

Wants a Job.

While it has not been our intention to conduct a labor bureau, we are making the acquaintance of some good men who are out of employment. We have the names of two now we should like to accommodate. If you know where a good man is needed, please write us.

Have You Any Pipe For Sale?

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,
care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Apr. 28.	
Roses, Beauty, long per doz.	3.00@4.00
" " med. " short	1.50@ 2.00
" " " " " "	4.00@ 8.00
" " Bride, Bridesmaids	4.00@ 6.00
" " Meteor, Golden Gate	4.00@ 6.00
" " Perle	4.00@ 6.00
Carnations	2.00@ 4.00
Smilax	18.00@20.00
Asparagus	35.00@50.00
Violets	1.00
Valley	2.00@ 3.00
Tulips	2.00@ 3.00
Daffodils	2.00@ 3.00
Callas	10.00
Harrisii	12.50
PITTSBURG Apr. 28.	
Roses, Beauty, specials	25.00@30.00
" " extras	15.00@20.00
" " No. 1	8.00@12.00
" " ordinary	3.00@ 5.00
" " Bride, Bridesmaid	3.00@10.00
" " Meteor	2.00@ 6.00
" " Liberties	3.00@12.00
" " Kaiserin	2.00@ 6.00
Ulrich Brunner	6.00@12.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	20.00@25.00
Asparagus, strings	30.00@50.00
Asparagus Sprenger	2.00@ 3.00
Violets	.20@ .75
Lilies	5.10@ 6.00
Paper White	1.00@ 3.00
Tulips	1.00@ 3.00
Daffodils	1.00@ 3.00
Dutch Hyacinths	3.00@ 4.00
Yellow Purple Iris	8.00
Candy Tuft	2.00
CINCINNATI, Apr. 28.	
Roses, Beauty	2.00@ 6.00
" " Bride, Bridesmaid	3.00@ 6.00
" " Liberty	4.00@ 8.00
" " Meteor, Golden Gate	4.00@ 8.00
Carnations	1.00@ 4.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Violets	.50@ .75
Narcissus	3.00
Romans	3.00
Harrisii	12.50@15.00
Calla	10.00@12.50
St. Louis, Apr. 28.	
Roses, Beauty, long stem	3.00@2.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.50@ 1.00
" " Bride, Bridesmaid	4.00@ 8.00
" " Golden Gate	4.00@ 8.00
Carnations	1.50@ 3.00
Smilax	15.00
Asparagus Sprenger	1.00@ 3.00
" " Plumosus	25.00@50.00
Ferns..... per 1000	4.00
Narcissus Paper White	3.00
Valley	3.00@ 4.00
Romans	2.00@ 3.00
Dutch hyacinths	3.00@ 4.00
Tulips	3.00@ 4.00
Callas	10.00@12.50
Harrisii	10.00@12.50
Adiantum	1.00@ 1.25

HEADQUARTERS FOR

WILD SMILAX

AMERICAN BEAUTY		Per Dozen.	Per 100	
36-inch stems	.....	\$6.00	Carnations	..... \$1.50 to \$3.00
24 to 30-inch stems	.....	3.00	" " Fancy	..... 2.50 to 4.00
18 to 24	.....	2.00 to 3.00	Violets, Double	..... .25 to 1.00
15 to 18	.....	1.50 to 2.00	" " Single	..... .60 to .75
12 to 15	.....	1.00	Valley	..... 2.00 to 4.00
			Narcissus, Poets	..... 1.00
			Harrisii	..... 10.00 to 12.50
			Callas	..... 10.00 to 12.50
Bride and Maid	..... \$3.00 to \$8.00		Asparagus Sprenger, sprays	..... 2.00 to 4.00
Golden Gate	..... 3.00 to 8.00		" " Plumosus, string, 25c to 50c each	..... .35
Liberty, Chatenay	..... 6.00 to 10.00		Fancy Ferns..... per 1000	\$3.00
			Galax, Bronze, Green, 1000	\$1.25
			Adiantum	..... 1.00
			Leucothoe Sprays	..... 1.00
			Smilax..... per dozen	\$2.50

DEAMUD'S SPECIAL
 Ferns, \$3.00 per 1000.

WILD SMILAX, 50 pound case, \$7.00.

J. B. DEAMUD,

51 Wabash Avenue, CHICAGO.



WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns, \$2.00 per 1000, A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00. 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucothoe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Dis. Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

Brant & Noe Floral Co.,

CROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Pricea.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Please mention the American Florist when writing.

H.G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration)
Write, Wire or Phone the Introducing,

CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

Please mention the American Florist when writing.

GALAX.

Finest Leaves on the Market, \$1.00 per 1000

Leucothoe Sprays, green, per 100..... \$1.00

Cycas Leaves, Cape Flowers, Cut Wire, Match Sticks, Wired Picks, Tin Foil, Boston Florist Letters, Etc.

—DEALER IN STAPLE FLORIST SUPPLIES.—
H. LOUIS MENAND, Albany, N. Y.

Pittsburg Florist Exchange

WHOLESALE FLORISTS.

243 Diamond St., Pittsburg, Pa.

CONSIGNMENTS SOLICITED.

ENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS
AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,
AT CHICAGO MARKET RATES.

42-44 E. Randolph St., CHICAGO, ILL.

GREEN GOODS.

A general scarcity prevails in the market, but while our Smilax is short, we can supply large quantities of Asparagus, good, long, heavy strings. Send us your orders.

ALL CUT FLOWERS IN SEASON.

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 40-inch stem	\$3 00
24-inch stem	2.00
20-inch stem	1.50
15-inch stem	1.00
12-inch stem .....	.75
Short stems, \$4.00 to \$5.00 per 100	
Per 100	
Bride and Maid	\$3.00 to \$ 6.00
Meteor and Gate	3.00 to 6.00
Liberty	3.00 to 8.00
Roses, our selection	3.00
Carnations	1.50 to 2.00
" large and fancy	3.00 to 4.00
Violeta .....	.75 to 1.00
Valley	3.00 to 4.00
Poet Narcissus	1.00
Mignonette, per doz .....	.50c to 75c
Sweet Peas .....	.75 to 1.50
Callas, per doz	\$1 00 to \$1.25
Harrisii, per doz	1.00 to 1.50
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri	3.00 to 6.00
Ferns	per 10 0, \$5.00 .50
Galax	per 1000, 1.25 .15
Adiantum .....	.75 to 1.00
Smilax	per doz., \$2.50
Leucothoe Sprays	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

FRANK GARLAND,
Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS**
65-67 WABASH AVENUE, CHICAGO.
Telephone Central 3284.
Please mention the American Florist when writing.

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**
Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.

WIETOR BROS.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

BRISTOL, PA.—Thomas Dewitt, a local florist, is strangely missing and his relatives and friends are apprehensive. He left in the midst of a big Easter trade and with a large wedding order uncompleted.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations
A Specialty..... WHOLESALE GROWER of **CUT FLOWERS**

HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, Apr. 29.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 " "	2.00@ 2.50
" " 15 to 18 " "	1.50@ 2.00
" " 12 " "	1.00@ 1.50
" Liberty	3.00@ 8.00
" extra select	10.00@ 12.00
" Chatenay	5.00@ 10.00
" Bride, Bridesmaid	3.00@ 8.00
" Meteor, Golden Gate	4.00@ 8.00
Carnations	1.50@ 2.50
" fancy	3.00@ 4.00
Valley	3.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@ 6.00	
" Sprengeri	3.00@ 6.00
Violeta, double .....	.75@ 1.00
" single .....	.50@ .75
Leucothoe Sprays	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
" Green, " " 1.00	
Adiantum	1.00
Fancy ferns...per 1000 4.00@ 5 00	
Smilax	15.00@ 20.00
Callas	1.00@ 1.50 per doz.
Harrisii	1.00@ 1.50 " "
Sweet peas .....	.75@ 1.50

SINNER BROS.
Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3087.
All telegraph and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention. 35-37
GREENHOUSES: Randolph Street,
Morton Grove, Ill. CHICAGO ILL.
Please mention the American Florist when writing.

WEILAND-AND-RISCH
CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

MANCHESTER, N. H.—The sum of \$1,500 has been appropriated by the city authorities for a new greenhouse to be erected in Pine Grove cemetery.

Leo Niessen

WHOLESALE FLORIST,

1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

For April Weddings

VALLEY, BEAUTIES, LILIES, WILD SMILAX.

Write for Prices.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers. All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. McCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET, 15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA. THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr. WHOLESALE FLORIST.

CHOICEST CUT FLOWERS. 43 W. 26th St., NEW YORK CITY.

GEORGE SALTFOORD, WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK. TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.

Consignments of any good flowers 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.

N. Lecakes & Co.

63 W. 28th St., and 45 W. 29th St., Also at 26th St. and 34th St. Markets



NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES, 75c per 1000; \$8.00 and \$8.50 per case of 10,000.

Princess Pine and all kinds of Evergreens. Telephone 1214 Madison Square.

GALAX.

Brilliant Bronze or Green, \$1.00 per 1000; 75c per 1000 in 5000 lots or over. Southern Smilax, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. Leucothoe Sprays, green, \$1.00 per 100; \$7.50 per 1000. Green Sheet Moss, per barrel sack \$2.50. Dagger Ferns, \$1.25 per 1000. ALL KINDS FLORISTS' SUPPLIES.

Tel. 597 Madison Square. L. J. KRESHOVER, 112 W. 27th St., New York.

Please mention the American Florist when writing.

Wholesale Flower Markets

Boston, Apr. 27.

Roses, Beauty, extra.....	15.00@25.00
" " medium.....	6.00@10.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid.....	2.00@ 4.00
" extra.....	4.00@ 6.00
" Liberty.....	3.00@ 6.00
Carnations.....	1.00@ 2.00
" Fancy.....	2.00@ 3.00
Violets.....	.30@ .50
Lily of the valley.....	2.00@ 4.00
Harrisii lilies, Calla.....	4.00@ 6.00
Smilax.....	12.00@20.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	.75@ 1.00
Tulips.....	.75@ 1.00
Peas.....	.50@ 1.00

PHILADELPHIA, Apr 27.

Roses, Tea.....	3.00@ 5.00
" " extra.....	8.00@12.00
" Beauty, extra.....	16.00@25.00
" " firsts.....	8.00@10.00
" Queen of Edgely, extra.....	16.00@25.00
" " firsts.....	8.00@10.00
Carnations.....	2.00@ 5.00
Violets, double.....	.50@ .75
Lily of the valley.....	3.00@ 4.00
Daffodils.....	1.00@ 3.00
Lilac.....	.25@ 1.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	5.00@ 6.00

BUFFALO, Apr. 28.

Roses, Beauty.....	3.00@40.00
" " Bride, Bridesmaid, Meteor.....	3.00@10.00
Carnations.....	2.50@ 6.00
Harrisii.....	12.50@15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1.00
Violets.....	.60@ .75
Callas.....	8.00@10.00
Sweet Peas.....	.40@ .60

The Wm. Stuart Allen Co.

Has been incorporated and will carry on a wholesale cut flower business as successors of

W. S. Allen
— AT —
53 West 28th St.,
New York.

Please mention the American Florist when writing.

PORTLAND, ORE.—W. L. Wright, superintendent of the horticultural department of the state exhibit at the World's Fair, will leave here with his wife for St. Louis on May 15.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Telephone 2065 Madison Sq. Wholesale Florists.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonal novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK

Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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. Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 656 Madison Sq. 116 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. New York.

OPEN 6:00 A. M.

An Unequaled 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, Apr. 27.

Roses, Beauty, Liberty, best.....	10.00@20.00
" " medium.....	4.00@ 8.00
" " culls.....	1.00@ 2.00
" " Bride, Bridesmaid, G. Gate.....	2.00@ 6.00
" Brunner.....	10.00@25.00
Carnations.....	1.00@ 2.00
" fancy and novelties.....	3.00@ 5.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	3.00@ 5.00
Violets.....	.20@ .40
Smilax.....	12.00@20.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Tulips.....	2.00@ 3.00
Narcissus.....	2.00@ 4.00
Gardenias.....	25.00@50.00
Stocks.....	.10@ .20 per bun.
Sweet peas.....	.03@ .10 per bun.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK Tel. 2230 Madison Square.

BAR HARBOR, ME.—Frederick H. Moses broke ground Tuesday morning for a flower store on Main street.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK. Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS

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.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St., WHOLESALE FLORISTS.

Daily Reports. Weekly Payments: J. A. MILLANG, 756 Madison Sq. MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891 Alfred H. Langjahr, 55 W. 28th St. New York. Telephone 3824 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421 Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

LOS ANGELES.

Orders for Los Angeles and Southern California Will be filled by

E. J. VAWTER

GROWER AND DEALER

522 So. Spring St., Los Angeles Cal.

INDIANAPOLIS.

Bertermann Bros. Co., FLORISTS,

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber, FLORIST,

4320-4328 Olive St., ST. LOUIS, MO. Established 1873, Long Dist. Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Aurania	1	Tues. May 3, 9:00 a. m.	May 12
New York	"	Lucania	1	Sat. May 7, 10:00 a. m.	May 13
New York	"	Umbria	1	Sat. May 14, Noon.	May 19
Boston	"	Ivernia	1	Tues. May 10, 6:00 p. m.	May 17
New York	Glasgow	Laurentian	2	Thur. May 12, 2:00 p. m.	May 22
Montreal	Liverpool	Ionian	2	Sat. May 7,	May 17
Montreal	"	Bavarian	2	Sat. May 14	May 24
New York	Hamburg	Moltke	3	Thur. May 5, 10:00 a. m.	May 15
New York	"	Deutschland	3	Thur. May 12, 3:00 p. m.	May 19
New York	"	Peensylvania	3	Sat. May 14, 4:00 p. m.	May 24
New York	Genoa	Phoenicia	3	Thur. May 5, 10:00 a. m.	May 20
New York	"	Prinz Adalbert	3	Thur. May 12, 10:00 a. m.	May 27
New York	Copenhagen	Hekla	4	Sat. May 7, 2:00 p. m.	
New York	"	Oscar II	4	Wed. May 11, 2:00 p. m.	
New York	Glasgow	Astoria	5	Sat. May 7, Noon	May 17
New York	"	Anchoria	5	Sat. May 14, Noon	May 24
New York	London	Minnetonka	6	Sat. May 7, 11:30 a. m.	May 17
New York	"	Minnehaha	6	Sat. May 14, 4:00 p. m.	May 24
New York	Liverpool	Oceanic	7	Wed. May 4, 9:00 a. m.	May 10
New York	"	Teutonic	7	Wed. May 11, 10:00 p. m.	May 19
New York	"	Celtic	7	Fri. May 13, 4:00 p. m.	May 20
Boston	"	Cretic	7	Thur. May 5, 2:00 p. m.	May 12
Boston	Naples	Romanic	7	Sat. May 14, 9:00 a. m.	May 28
Boston	Southampton	Germanic	8	Sat. May 7, 9:30 a. m.	May 14
New York	"	St. Paul	8	Sat. May 14, 9:30 a. m.	May 20
New York	Antwerp	Vaderland	9	Sat. May 7, 10:30 a. m.	May 17
New York	"	Kronland	9	Sat. May 14, 10:30 a. m.	May 24
New York	Havre	La Touraine	10	Thur. May 5, 10:00 a. m.	May 15
New York	"	La Lorraine	10	Thur. May 12, 10:00 a. m.	May 22
New York	Rotterdam	Staatendam	11	Tues. May 3, 10:00 a. m.	May 13
New York	"	Potsdam	11	Tues. May 10, 10:00 a. m.	May 20
New York	Genoa	Lombardia	12	Tues. May 3, 11:00 a. m.	May 18
New York	"	Nord America	12	Tues. May 10, 11:00 a. m.	May 25
New York	Bremen	Kronprinz Wilhelm	13	Tues. May 3, 8:00 a. m.	May 10
New York	"	Barbarossa	13	Thur. May 5, 10:00 a. m.	May 15
New York	"	Prinzess Alice	13	Tues. May 10, 1:00 p. m.	May 20
New York	"	Neckar	13	Sat. May 14, 10:00 a. m.	May 25
New York	Genoa	Prinzess Irene	13	Sat. May 7, 11:00 a. m.	May 20
Boston	Liverpool	Winifredian	14	Wed. May 4, 1:00 p. m.	May 14
Boston	"	Bohemian	14	Wed. May 11, 6:30 a. m.	May 21

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT:

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. 

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO.

Please mention the American Florist when writing.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND, Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable Cable address: "Daniels Denver."

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Campania	1	Sat. May 7	May 13
Liverpool.....	"	Etruria	1	Sat. May 14	May 20
Liverpool.....	Boston	Saxonia	1	Tues. May 10	May 17
Glasgow.....	New York	Numidian	2	Sat. May 7	May 17
Liverpool.....	Montreal	Parisian	2	Thur. May 5	May 15
Liverpool.....	"	Pretorian	2	Thur. May 12	May 22
Hamburg.....	New York	Bleucher	3	Thur. May 12	May 22
Hamburg.....	"	Pretoria	3	Sat. May 14	May 24
Genoa.....	"	Furst Bismarck	3	Wed. May 4	May 19
Copenhagen.....	"	United States	4	Wed. May 4	May 22
Glasgow.....	"	Furnessia	5	Thur. May 5	May 15
Glasgow.....	"	Columbia	5	Sat. May 14	May 24
London.....	"	Minneapolis	6	Sat. May 7	May 15
Liverpool.....	"	Mesaba	6	Sat. May 14	May 24
Liverpool.....	"	Cedric	7	Wed. May 4	May 11
Liverpool.....	"	Majestic	7	Wed. May 11	May 18
Liverpool.....	"	Arabic	7	Fri. May 13	May 20
Liverpool.....	Boston	Cymric	7	Thur. May 5	May 12
Naples.....	"	Canopic	7	Wed. May 11	May 23
Southampton.....	New York	Philadelphia	8	Sat. May 7	May 13
Southampton.....	"	St. Louis	8	Sat. May 14	May 21
Antwerp.....	"	Zeeland	9	Sat. May 7	May 16
Antwerp.....	"	Finland	9	Sat. May 14	May 23
Havre.....	"	La Gascogne	10	Sat. May 7	May 17
Havre.....	"	La Savoie	10	Sat. May 14	May 24
Rotterdam.....	"	Noordam	11	Sat. May 7	May 18
Rotterdam.....	"	Staatendam	11	Sat. May 14	May 24
Genoa.....	"	Sardegna	12	Mon. May 9	May 24
Bremen.....	"	Kaiser Wilhelm II	13	Tues. May 3	May 10
Bremen.....	"	K. Wil. Der Grosse	13	Tues. May 10	May 17
Genoa.....	"	Konig Albert	13	Thur. May 5	May 13
Genoa.....	"	Konigin Louise	13	Thur. May 12	May 25
Liverpool.....	Boston	Cestrian	14	Sat. May 7	May 17
Liverpool.....	"	Devonian	14	Sat. May 14	May 24

* See steamship list on opposite page.

Orchids!



Just arrived in perfect condition **Cattleya Mossia**, **Oncidium papilio** (butterfly orchid), **O. ampliatum majus**, **Peristeria elata** (Holy Ghost orchid), **Catasetum** in var., **Cycnaches**, **Epidendrums**, **Stanhopeas**, **Dendrobium nobile**, **D. densiflorum** and **D. Chrysanthum**. Also a lot of bulbs of **Calanthe Veitchii** for immediate delivery.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Cattleya Trianae Just received grand lot in fine condition and well leaved, low price for large quantity. Address
A. PERICAT, Collingdale, Del. Co., Pa.

A Daily Cut From 40 Growers

"Highest Qualities"
AS WELL AS
"Under Grades"
At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR
Cut Flower Wants
TO ADVANTAGE.

Headquarters for "Superior Quality" Brand
Wild Smilax (None Better), Galax, Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,
E. F. Winterson, John P. Degnan, L. H. Winterson,
Successors to McKellar & Winterson.
45-47-49 Wabash Avenue, CHICAGO.

Chas. W. McKellar,

Wholesale Commission Florist
—AND DEALER IN—
ALL FLORISTS' SUPPLIES.
51 Wabash Ave., Chicago.
Long Distance 'Phone Central 3598.

Correspondence invited from growers of special-ties in Cut Flowers.
Please mention the American Florist when writing.

J. M. McCULLOUGH'S SONS

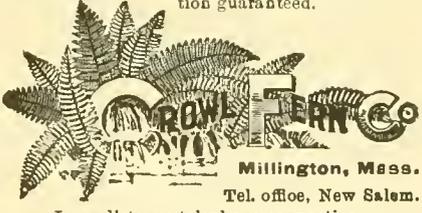
WHOLESALE
FLORISTS

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

LAUREL FESTOONING and SOUTHERN SMILAX.
No. 1 quality Laurel festooning, made all round, full and the best made, fresh from the woods, 4c, 5c and 6c per yd. 50 lb. case, finest Smilax ever sold, only \$8.00. Fancy Ferns, \$2.00 per 1000. Dagger Ferns, \$1.50 per 1000. At stock Bronze and Green Galax, 75c per 1000; discount on 10,000 lots. Send us your orders and get the best to be had at bottom prices and fresh from the woods. Satisfaction guaranteed.



CROWN FERN CO.
Millington, Mass.
Tel. office, New Salem.
Long distance telephone connection.

CANANDAIGUA, N. Y.—The Florists' and Gardeners' Club met April 12 and heard a paper on "Anemones or Wind Flowers," after which refreshments were served.

Yellow Daisies and fine Kaiserins, Maids and Brides, Fancy Carnations.
PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

THE CLEVELAND CUT FLOWER COMPANY

—SUCCESSORS TO—
BATE BROS. AND THE F. R. WILLIAMS COMPANY
52-54 High St., CLEVELAND, O.
BOTH PHONES

We Carry a Full Line of Florists' Supplies and Make Wire Designs. Send Your Stock to Us on Commission.
—WRITE FOR OUR WEEKLY PRICE LIST.—

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

VISITED CHICAGO: A. J. Brown, Grand Rapids, Mich.

STOWELL'S EVERGREEN sweet corn of high test and true type is in demand at fair prices.

THE death of R. M. Merritt, formerly a Chicago seedsman, is recorded in our obituary column.

DUTCH bulb fields were looking exceptionally well April 10, the growth being unusually strong.

THE pickling concerns of the country will hold their June meeting on the 15th of that month in St. Louis.

SEEDING for onion sets at Chicago, which has been delayed by cold and rain, will start actively with a few bright days.

TUBEROSE bulbs have sold in the London auction rooms this season as low as \$1 per barrel, which hardly pays the freight.

JOHN LEWIS CHILDS, of Floral Park, N. Y., recently bought out the stock of gladioli held by C. Betscher, of Canal Dover, O.

ONION sets are scarce at Chicago and selling at \$3.50 to \$4 for reds and yellows and \$4.50 for whites. For the first time in several years summer top sets are in over supply.

NEWPORT, R. I.—William B. Scott & Company have cleared away their old buildings, and workmen are busy putting in the foundations for their new seed store at 8-10 Broadway.

SANTA CLARA, CAL., April 19.—C. C. Morse & Company write that crops with them are coming along very well so far. They have had a very late season but crops are apt to be all the better for being late, and the country never looked better at this date.

THE Brown Bag-Filling Machine Company has recently been awarded patents for a system of assembling and closing the mailing packages of the congressional seed distribution without the use of paste. This has made a great improvement in the character of the work, and prevents the mutilation of the addresses so that all go through to destination with-

out fail. Under the old system thousands of packages were returned with addresses lost, but since the introduction of the new system not one package in a million has been returned for this reason.

Onion Seed Surplus.

The best explanation of this over-stock seems to lie in the fact that contract growers of onion seed, as in some other lines, have in recent years diligently sought out all the larger buyers (formerly customers of the seedsmen) and sold such customers directly by contract. This has left the seedsmen with a lot of the contract supply on hand.

European Seed Report.

In a former report I have already stated that our winter has not been severe. In consequence all the biennial plants and roots look nice and vigorous and are at disposal in sufficient quantities. We are therefore justified in looking forward to a good crop of cabbage, carrots, beets and leek. The kohlrabi plants alone have a weak appearance and show the effects of frost.

As to biennial and perennial flowers, they also look splendid and will certainly develop satisfactorily. The bulk of the summer flowers is now sown, for instance nemophila, nigella, godetia, iberis, helianthus, tropæolum, etc., whilst portulaca, asters, stocks, and most of the others are still in the greenhouse, hotbed or in pots, and will be planted later on when frosts are no longer to be feared.

Business in general was not satisfactory this year. The small dealers especially did not sell out and will carry over lots of seeds to the coming season, a fact that will surely prevent prices from mounting, if the growing crops turn out well.

The old experience that an article which is looked for in autumn can be found easily in the spring at the end of the season has proved true again this year for beans, some cabbage varieties and certain peas, which were very scarce in November and could not be bought at high prices while now every dealer has them for sale. It is always the same game, the cultivators keep back the articles in strong demand and in consequence the prices mount, in some cases even out of proportion to the real value of a product. Customers will not buy at

these prices and restrict their purchases as much as possible. The seeds, therefore, remain in the stores and in the houses of the cultivators and are often given away in spring at very low prices, neither growers nor dealers possessing the capital to keep them over.

The weather in the center of Germany is cold and damp, a little too cold for sowing, but in general not unfavorable for field work.

CONDITIONS IN FRANCE.

The chief seed growing districts in France have suffered through large inundations covering a big part of the Loire valley with water, but the rains having ceased just when danger was very threatening the water fell without causing great damage, but plantations will nevertheless be retarded. At the present time the weather is fresh and cool in northern France, even a little too cold for getting on with the sowings.

The trade has not been as brisk as usual, as in Germany, so that many lots, especially beets, chicory, onions, peas, lie unsold and will keep down prices in the autumn. The plants, although a little rotten in some districts, are good in general and much land being at disposal the plantations will probably be extensive.

Speaking generally, the orders on contract are less numerous and important than usual. Legumes and flower seeds will be grown freely in consequence, so that according to present appearances the next season will open with a big stock.

The plantations in the south of France seem in good condition. The flowers especially look splendid and promise an excellent crop. There are also plenty of orders on contract.

TRUE
ASPARAGUS PLUMOSUS.
NANUS SEED.

\$5.00 per 1000 seeds. Plants from flats.
\$15.00 per 1000. Express paid.

California Carnation Co.,
LOOMIS, CAL.

Asparagus Plumosus Seed.
SOUND and PLUMP GREENHOUSE GROWN, 75c per 100; \$6.00 per 1000.

CYCAS STEMS, weighing 1 to 6 pounds each.....\$8.00 per 100 pounds; 300 pounds, \$21.00
HARDY ROSES. All leading sorts 2-year-old, \$11.00 per 100; \$100.00 per 1000.

ARTHUR T. BODDINGTON, 35 Warren Street, NEW YORK.

To
Seedsmen

The Only Machine....

on the market for automatically filling and sealing seed packets. ❁ ❁ ❁ ❁ ❁ ❁ ❁

The Brown Bag-Filling Machine Co.
FITCHBURG, MASS.

Come to Flatbush

AND BE CONVINCED THAT YOU ARE NOT GOING TO BE DISAPPOINTED IF YOU BUY

NEPHROLEPIS SCOTTII.

To See It is To Buy It.

AWARDED S. A. F. O. H. Silver Medal at the Pennsylvania Horticultural Society's Spring Exhibition in Philadelphia, March 24, 1904. Awarded a Diploma by the American Institute, and also received the New York Florists' Club's Highest Award, "A Certificate of Merit."

Nephrolepis Scottii is without a doubt the finest Nephrolepis ever introduced, and is as far ahead of the Boston Fern as the Boston is ahead of all other introductions. It is a rapid grower and to see it in all stages of growth, from a runner in the bench to a 14-inch pot specimen, will convince you that it will positively take the place of its parent, the old Boston Fern.

Unquestionable Testimonials As to Its Worth.

"THE ROSARY" FLOWER COMPANY, 24 East 34th Street, between Fifth and Madison Avenues, New York, and Westbury, L. I. Newport, R. I. Telephone connection.

NEW YORK, March 18, 1904.
MR. JOHN SCOTT, KEAP STREET GREENHOUSES, BROOKLYN, N. Y.

Dear Sir:—I like **Nephrolepis Scottii** very much and wish you would grow 100 specimen plants for me for next Fall delivery; you know about the quality of plants I handle.
Yours truly, (Signed) J. H. TROY.

BROOKLYN, N. Y., April 11, 1904.

MR. JOHN SCOTT,
Dear Sir:—You have my order for your new **Nephrolepis Scottii**. I wish to say here, that I am very favorably impressed by your novelty. I admire its habit and style of growth and consider it the best Nephrolepis variety we have got so far. Yours very truly,
(Signed) J. M. KELLER.

WOODSIDE, N. Y., April 5, 1904.

MR. JOHN SCOTT,
Dear Sir:—Please accept my order for 1000 **Nephrolepis Scottii** at \$200.00 per 1000. I consider your fern as far ahead of the Boston fern as the Boston is ahead of all the recent introductions of Nephrolepis. It has a splendid habit and is a rapid grower and will, I am certain, prove itself a money maker for anyone that buys it.
Yours truly, (Signed) HERMAN DREYER.

Established 1869. Telephone Connection. Incorporated 1902.
Office of J. M. HODGSON, FLORIST, INC.
THE FIFTH AVENUE FLORAL ESTABLISHMENT,
No 718 Fifth Avenue, Corner 56th Street, New York City.
Nursery, Greenhouses and Branch Store: Cor. Bellevue and Leroy Aves., Newport, R. I.

NEW YORK, April 20, 1904
MR. JOHN SCOTT, KEAP STREET GREENHOUSES, BROOKLYN, N. Y.
Dear Sir:—Please reserve for us 150 **Nephrolepis Scottii** in the sizes as follows, viz., 25, 6-inch pots; 25, 8-inch pots; 50, 10-inch pots, and 50 large specimens.
We think that "Scottii" is far better than the "Boston" in all sizes, and think it will certainly take its place. We have tried all the other



introductions, but failed to find them satisfactory for our class of trade. Kindly acknowledge receipt, and oblige.
Yours truly,
(Signed) J. M. HODGSON, Florist, Inc. (Per A. W. S.)

Telephones 1552, 1553 Columbus. Established 1849.
DAVID CLARKE'S SONS, FLORISTS
2139-2141 Broadway, corner 75th Street.
PALMS AND FERNS A SPECIALTY, FLOWERING PLANTS.
Greenhouses, Fordham Heights
New York, April 13, 1904.

MR. JOHN SCOTT,
Dear Sir:—We have tried all the new introductions of Nephrolepis and have had to come back to the old Boston again, but in the **Nephrolepis Scottii** we are certain we have at last found the ideal Nephrolepis. It has a grand habit and judging from our observation of it in the past two years, we predict it will prove a seller and a money maker.
Yours truly,
(Signed) DAVID CLARKE'S SONS.

CHAS ZELLER & SON, FLORISTS AND NURSERYMEN,
Lefferts St near Washington Ave.
One block from Flatbush Ave., 29th ward, Brooklyn.
Branch: 412 Clarkston Street. Telephone: 99 Flatbush.
BROOKLYN, April 25, 1903.

MR. JOHN SCOTT,
Dear Sir:—You have my order for **Nephrolepis Scottii**. Sorry I cannot devote more place for your new fern. I have observed from time to time its good qualities and consider it will prove a good seller. It is certainly a fern that has come to stay.
Yours truly,
(Signed) ALFRED ZELLER.

Delivery Will Be Made as Follows: Strong transplanted runners from the bench or 2 1/4-inch pot delivery commencing June 1; all orders filled in rotation, at the following prices: \$4.00 per dozen; \$25.00 per 100; \$200.00 per 1000. Strong 8-inch pot plants, ready May 1, \$2.00 each; 8-inch pans, \$3.50 each; 10-inch pans, \$5.00 each. I have decided to give buyers the option of taking either transplanted runners from the bench or 2 1/4-inch potted stock. Address

JOHN SCOTT, Keap Street Greenhouses, Brooklyn, N. Y. || BRANCH: East 45th St. and Rutland Rd., Flatbush.

Telephone, 1207 Williamsburg.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

REVERE, MASS., is prominent as a pear growing section.

WEIGELAS are not adapted for planting on low, moist ground. They are apt to get winter-killed in such locations.

ASHLAND, KY.—Robert Bingham, Russell, Ky., is contemplating moving his greenhouse and nursery to Ashland.

TROY, O.—The Peters Nursery Company shipped a load of decorative shrubs to St. Louis last week to be used on the exposition grounds.

LONG BRANCH, N. J.—W. G. Eisele has purchased the Isaac G. Ring farm, which contains eighteen acres admirably adapted for nursery purposes.

VALLEJO, CAL.—The directors of the Cain Fruit and Nursery Company have ordered an assessment of \$5 a share on its capital stock to be paid by April 28.

ALBERT LEA, MINN.—O. M. Peterson and H. P. Olstad have established the Albert Lea nursery one mile east of the city and have put out nine acres this year. They have forty acres more that can be used as soon as necessary.

NURSERY business about Boston is rushing, particularly in the line of ornamental stock. Planting is being pushed with the utmost vigor in anticipation of sudden outburst of growth that is sure to follow one or two warm days when such arrive.

WM. H. MOON, of Morrisville, Pa., refused to take an order from Howard Gould, the millionaire, on Sunday and stated with regard to his action: "It pays to stand by principles, even in business. We have never lost business by refusing to do it on Sundays."

THE severity of the winter throughout the New England and New York district has done great damage to the peach trees, the fruit buds having been killed in the majority of cases. It is advised that the trees be given from three to five pounds each of nitrate of soda or other quick-acting nitrogenous fertilizer.

DUNDEE, ILL.—D. Hill, proprietor of the Dundee nursery, has secured the contract to plant the U. S. government's forestry and nursery exhibit at the Louisiana Purchase exhibition. Mr. Hill will also have an evergreen exhibit of his own. He expects to leave for St. Louis in a few days to take personal charge of the preparatory work.

THE COMMITTEE on agriculture of the Massachusetts legislature has reported a bill establishing the office of state forester, with a salary of \$2,000 a year, the forester to be elected annually by the state board of agriculture. A bill has also been reported appropriating \$5,000 for the establishment of a nursery for forest tree seedlings at Amherst agricultural college.

N. F. MCCARTHY & Co., horticultural auctioneers of Boston, report an unexpectedly brisk demand at their Tuesday and Friday sales for imported ornamental conifers. This would indicate

that despite the reverses of the disastrous winter of 1903-4 these evergreens still hold their popularity for planting in home grounds, and are likely to be planted more extensively than ever.

PLATTSMOUTH, NEB.—L. W. Holmes, nurseryman of Council Bluffs, was here recently trying to find some trace of a man named McCarthy, a rascally agent whom he employed last January to solicit orders in this vicinity for nursery stock, and who, he alleges, beat him out of a large sum by means of forged orders. As fast as the orders arrived Mr. Holmes sent McCarthy his commission and it was only by chance through writing to one of the mythical customers that he discovered he was being swindled.

THE killing, a second time in succession, of California privet is likely to result in a willingness on the part of the public to turn to something more reliable as a hedge plant. The all around good qualities of Berberis Thunbergia for this use cannot be overstated. By following up and cutting out the coarse growths for a few years a well balanced hedge is secured, beautiful every month in the year and never more so than in mid-winter when its crowded racemes of bright coral fruit are seen against the snow.

NEWPORT, N. I.—Everything points now to one of the best seasons in the nursery business that eastern nurseries have had for many years. The lengthened cold springs will give more time than usual for the filling of orders. There has been an especially heavy demand for evergreens for seashore places. Spruces are well liked and experience seems to place the White Maine spruce as the best to plant near salt water. It is more bushy than the Norway, and much harder, and more desirable in every way. The demand is large for big stock, consequently this class of material is fast becoming very scarce.

Shreveport, La.

The stock of the Shreveport Nursery and Orchards Company has been purchased by Downs & Company, a firm formed by former residents of Missouri who came to Shreveport last year and incorporated with \$25,000 capital, which will soon be increased to \$50,000. The company has 5,000 acres of land devoted to the nursery and orchard business. Business is reported to be dull this season. The greatest demand is for up-to-date rose stock.

Fine Park System.

Colorado Springs, Col., has the finest system of public parks in the west. They include Acacia square, Dorchester park, Almo place and Antlers park and eight smaller parks, all in the central part of the city; Stratton park and North Cheyenne canyon, at the base of Cheyenne mountain; Palmer park, a picturesque tract of rugged bluffs north of the city, and Monument park, on the west of the city, now being improved at a cost of half a million through the generosity of Gen. William J. Palmer, founder of the city.

20,000 Florence Vaughan Canna Bulbs

\$1.00 per 100; \$7.00 per 1000. 20,000 DAHLIA BULBS, best mixed varieties, names having got lost; field-grown, divided roots. 5,000 FLORAL PARK JEWEL, \$3.00 per 100. 10,000 RUBBECKIA, (Golden Glow). 500,000 CABBAGE PLANTS, out-door grown, ready May 1, \$1.50 per 1000. 5,000 MARK HANNA and THOMPSON'S No. 2 Strawberry, \$10.00 per 100. Two finest berries introduced. TOBACCO DUST, \$1.00 per 100. THOMPSON'S EARLIEST, the best early berry, \$1.00 per 100 by mail; \$5.00 per 1000 by express. 500,000 Early Cabbage Plants, \$1.25 per 1000. Cash with order.

MARK T. THOMPSON, Rio Vista, Va.

Please mention the American Florist when writing.

A. W. SMITH'S

HYBRID MOON VINES

Ipomoea Noctiflora, 2 1/2-inch pots, \$5.00 per 100.

GODFREY ASCHMANN,

1012 Ontario St., PHILADELPHIA, PA.

NATIVE PERENNIALS

FOR PARK AND GARDEN.

Rosa Carolina, Asclepias Helenium, Lobelia Cardinalis, Lythrum Salicaria, Thalictrum, Iris, etc. Price list sent on application.

Shatemuc Nurseries,

BARRYTOWN, Dutchess Co., N. Y.

Please mention the American Florist when writing.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raffia, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

ATTENTION NURSERYMEN and FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Paeonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. W. VAN KLEEF & SONS, The Nurseries, Boskoop, Holland.

2,500 Norway,

Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in. At bottom prices.

J. J. STYER, Concordville, Pa.

Please mention the American Florist when writing.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Please mention the American Florist when writing.

California Privet.

Per 1000
25,000, 2 1/2 to 3 1/2 ft., very bushy..... \$25 00
25,000, 2 to 2 1/2 ft., bushy..... 20 00
25,000, 18 to 24 in..... 16 00
20,000, Canna Roots, mixed, best sorts..... 12 00
5,000, Golden Elder, 2-yr., strong..... 60 00
All orders are for cash.

W. G. EISELE, West End, N. J.

Please mention the American Florist when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

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WE CAN HELP YOU TO FEEL SECURE FOR A PART OF YOUR

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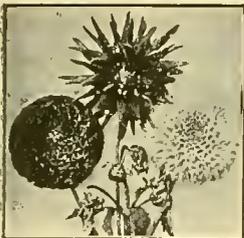
Of White Flowers with Dark Glossy Green Foliage.

THE BUD AND BLOOM OF OUR

Grandiflora Cape Jessamine

Is guaranteed to be much better in point of size than Gardenia Florida. In form, color and perfume it is identical. The blooming period for 1904 is nearly two weeks earlier than last year, opening about May 5th and continuing until about June 10th. This will give us 100 per cent more blooms than we were able to supply for May 30, 1903, so we are sure of our ability to fill all accepted orders for that date. Orders may be booked at any time, and will be acknowledged by return mail. Our system for the prompt execution of time orders is as nearly perfect as long experience and a thoroughly competent office force can make it. Prices: 75c per 100; \$6.50 per 1000. 500 at 1000 rate.

C. W. BENSON, Alvin, Tex.



Dahlias

Mrs. Winters

The World's Best White Dahlia. \$18.00 per 100.

Ingeborg Egeland, the best scarlet cactus, \$5.00 per

doz. Other novelties and standards. Gladioli and hardy plants. Send for catalogue before ordering.

W. W. WILMORE, The Dahlia Specialist. Box 382, DENVER, COLO.

Please mention the American Florist when writing.

CANNAS

DORMANT ROOTS.

We still have a few 1000 Cannas of the best varieties from \$1.00 per 100 up. KENTIA BELMOREANA, 3-inch, \$1.50 per doz.; 4-inch, extra fine stock, \$3.00 per doz. VINCA VARIEGATA, extra strong, \$8.00 per 100.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

PLANT NOW Crimson Rambler Roses, 3 to 4 feet, fine, \$2.50 per dozen. Clematis, Jackmani, 2-year, \$2.50 per doz.; Paniculata, 2-year, 75c per doz. Double Paeonias, white and pink, \$1.25 per doz. Vinca Major Var., 4-inch, 8c; 3-inch, 5c. Single Paeonias, 75c per doz. Boston Ferns, 4-inch, 8c; 2½-inch, 3c. Piersoni, 3-inch, 12c. Ampelopsis Veitchii, 2-year, field-grown, \$6.00 per 100. Pot-grown, dormant, \$4.00 per 100. Carnations, best named, \$2.00 per 100. 50,000 Carnations, from flats and general bedding stock. Send for list. BENJ. CONNELL, West Grove, Pa.

CHAMPAIGN, ILL.—Thomas E. Frank has received 2,000 feet of glass and will begin immediately the construction of an addition to his greenhouse.

Jacs. Smits, Ltd.

NAARDEN and BOSKOOP, HOLLAND.

Growers of Pot-grown Forcing Plants, Roses, Valley, Spiraeas, Evergreens and a kinds of Ornamental Nursery Stock.

Ask for price list and let us estimate on your list of wants. Address till June 1st, JACS. SMITS, care Mullus & Ware, 136 Water St., New York.

Pin Oaks.

—8 to 10 feet.—

CINCKO BILOMA, 8 to 10 feet.

DECIDUOUS GYPRESS, 8 to 10 feet.

Fine stock recently transplanted.

SAMUEL C. MOON, MORRISVILLE, PA.

ENGLISH IVY PLANTS.

1,000 Extra Strong bushy plants 4 feet high, \$ 5.00 per 100; \$2.25 per dozen.

100 Extra Fine, 8 foot plants, \$4.00 per dozen.

Lemon Verbenas, 2-in. pots, \$3.00 per 100.

JOHN RECK & SON, Bridgeport, Conn.

CLEMATIS.

Strong plants, 2 to 3-year..... \$3.00 per dozen. Medium..... 2.00 per dozen. Pot-grown..... 2.50 per dozen. Paniculata, 2-year..... 1.00 per dozen.

All nice home gr wvn stock H. P. and Crimson Rambler Reses, \$1.50 per dozen; \$10.00 per 100. Centaurea, Fern-Leaved, \$3.00 per dozen. F. A. BALLER, Bloomington, Ill.

THREE NEW CANNAS.

Hon. W. R. Hearst, large, free bloomer; scarlet, mottled and edged with golden yellow; outside of petals almost pure yellow; first to bloom. Senator Hanna, large flower; pure orange, tinged with golden yellow. Mrs. John A. Logan, vigorous grower scarlet, with broad yellow golden border; resembles Queen Charlotte. ANY OF THE ABOVE \$1.00 EACH, CASH.

H. D. SEELE, Canna Specialist, Elkhart, Ind.

SPECIAL OFFER

LILIES — CLEMATIS

Lilium Auratum bulbs, sound and in prime condition. Per 100 1000
Good sized bulbs..... \$5.00 \$45.00
Large bulbs..... 6.00 50.00

CLEMATIS. Home-grown plants in good condition. Per 100
Jackmani, 2-year old, medium..... \$12.00
" 1-year, medium..... 8.00
Henryii, 2 year old, medium..... 14.00
" 1-year old, medium..... 10.00
Mrs. Ed Andre, 2-year old, medium..... 14.00
" 1-year old, medium..... 10.00

WANT 200 PLANTS KUMQUAT ORANGE.

V. H. HALLOCK & SON, QUEENS, N. Y.

Please mention the American Florist when writing.

CALIFORNIA PRIVET.

Per 1000
200,000 2 yrs., 2 to 2½ ft., very bushy..... \$20.00
150,000 2 yrs., 18 to 24 in., very bushy..... 16.00
100,000 2 yrs., 12 to 18 in., very bushy..... 10.00
200,000 1 yr., 12 to 18 in., branched..... 9.00
200,000 1 yr., 10 to 12 in., branched..... 7.00
100,000 Cuttings, 8 in., strong..... .80
100,000 Cuttings, 8 in., light..... .60

Also have 10,000 Canna Roots in ten leading varieties from 75c to \$1.00 per 100. 2,000 Double Grant Geraniums from 2½-inch pots, \$2.00 per 100. Write for trade list.

J. H. O'HACAN, Little Silver, N. J.

Please mention the American Florist when writing.

Send to **THE MOON** Company
For } Trees, Shrubs, Vines
Your } and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

It looks as though the New York Florists' Bowling Club would be obliged to find new quarters, the location where they have been meeting being strenuously objected to by most of the members. At the game last Monday there were but four members of the club in evidence, Messrs. Traendly and Craw, Guttman and Shaw, these four, no more, but glory be, Mr. Craw put up the biggest game of his life, 161. After accomplishing this he rested on his laurels, and modestly hugged the 100 mark. The best score of the evening was 164, on which Traendly and Gibbs were tied. And St. Louis but ten weeks distant!

At Madison, N. J.

The Madison aggregation had a good time on the alleys last Tuesday evening. There were Messrs. Herrington, Duckham, Stein, Totty, Shannon, Redstone, McNulty and the honorable treasurer of the New York Bowling Club, J. B. Nugent, present. The scene of the play was laid at the alleys of the Madison Athletic club. A friendly bout between Messrs. Shannon and Stein was decided in favor of the veteran Mr. Shannon by one pin, but this decision is not official although the reputed winner did make some phenomenal strikes. The representative from New York would have done better had he been advised in advance that the alleys crowned in the centre. It was an unfair advantage to take of a visitor and the best evidence is that Messrs. Harrington and Duckham averaged

about 180 all through the game, just because they were well acquainted with the vagaries of those alleys. Some day they will meet their match and then the bells of Madison will ring backward.

At Chicago.

There was a good attendance Tuesday evening at the special meeting of bowlers called by the committee having in charge the matter of selecting the team that will represent the Chicago Club at St. Louis. The committee received suggestions of those present as to the modus operandi of picking out the strongest men and a report will be submitted at the next meeting which is scheduled for next Tuesday evening at the Geroux alleys. There will be five men on the team and these will be selected on the strength of the showing made in a preliminary tourna-

ment to be inaugurated within a few weeks. After considerable discussion on the subject the clans got down to business with the balls and pins. The following scores tell the story:

Player	1st	2d	3d	T'1
F. Stollery	156	197	154	507
Stevens	115	234	163	502
Hauswirth	165	104	135	454
Scott	146	155	143	444
Degnan	138	160	126	424
Asmus	161	127	127	415
Huebner	113	141	148	402
L. Winterson	105	113	155	393
Kill	121	119		
Lund	108	140		
E. Winterson	118	82		
Pruner	111	115		

LADIES.				
Player	1st	2nd	3d	
Mrs. Winterson	127	81	76	
Mrs. Kill	84	126	101	
Mrs. Asmus	115	90	60	
Mrs. Hauswirth	100	96	112	
Mrs. Scott	87	110	79	
Miss Eastman	114	52	75	
Mrs. Stollery	131	73	80	

WILL TAKE 1st or 2nd PRIZE

St. Louis World's Fair.

A design worker who has taken fifteen of the first or second prizes at the largest Expositions of the World wishes to correspond with any Florist who is willing to employ him for 14 days at the St. Louis Exposition in competition for prizes on floral designs. Will work the week previous with Florist and pay own expenses to show samples of work. Will advance \$300.00 security as a guarantee that he will take either first or second prize at the Show. Excellent references. Address

JOSEPH KRULL,

Care of **A. W. SMITH,** 345 Sixth Avenue, Pittsburg, Pa.

CHRYSANTHEMUM MANUAL.

NEW BOOK BY ELMER D. SMITH.

Will be ready soon.

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WE ARE NOW BOOKING ORDERS. PRICE, 25 CENTS, CASH WITH ORDER.

American Florist Co., 324 Dearborn Street, Chicago.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER

IN THE WORLD.

Current Price List.

	Per Doz.	Per 100
AM. BEAUTIES, long stems,	\$1.00	
" " 30-in. "	3.00	
" " 20-24 "	2.00	
" " 15-18 "	1.50	
" " Short stems.....	.75 to 1.00	
SUNRISE.....	\$5.00 to \$8.00	
CHATENAY.....	6.00 to 10.00	
BRIDE.....	5.00 to 8.00	
BRIDESMAID.....	5.00 to 8.00	
PERLE.....	3.00 to 8.00	
CARNATIONS.....	2.00 to 3.00	
ROSES, OUR SELECTION.....	4.00	

All flowers are perfectly fresh and properly packed. No charge for P. and D. on orders over \$5.

CARNATION PLANTS.

READY FOR FIELD PLANTING.

—THESE PLANTS ARE NOW ALL IN SOIL AND ARE EXTRA LARGE PLANTS, READY FOR FIELD PLANTING.—

	Per 100	Per 1000		Per 100	Per 1000
12,000 Gov. Wolcott, - -	\$3.50	\$30.00	1,000 Lorna, - - - - -	\$2.50	\$20.00
3,000 Lillian Pond, - - -	3.50	30.00	1,200 Gold Nugget, - - -	2.50	20.00
5,000 Prosperity, - - -	2.50	20.00	2,000 Maceo, - - - - -	2.50	20.00

GRAFTED ROSES READY NOW.

We have grafted 100,000 Rose Plants on Manetti, all from choice flowering wood. This is the best stock we are able to produce and sure to give satisfaction. If your rose stock is running down give grafted plants a trial. Ready for immediate shipment.

BRIDESMAIDS, - - - \$12.00 per 100
LIBERTIES, - - - 15.00 per 100

Chatenay Rose Plants, 2½-inch, \$6 00 per 100; \$50.00 per 1000

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

ROSE PLANTS. STRONG STOCK from 2 1-2 inch pots.

UNCLE JOHN. The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20.00 per 100; \$150.00 per 1000.

	Per 100	1000		Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00	MAID.....	\$3.00	\$25.00
MME. CHATENAY.....	6.00	50.00	BRIDE.....	3.00	25.00
SUNRISE.....	5.00	40.00	PERLE.....	3.00	25.00
KAISERIN.....	3.00	25.00	GOLDEN GATE.....	3.00	25.00
LIBERTY.....	5.00	40.00	IVORY.....	3.00	25.00

CARNATIONS—Well rooted, healthy cuttings, of the following varieties, now ready.

PINK.		Per 100	1000	WHITE.		Per 100	1000
MRS. E. A. NELSON.....		\$2.00	\$18.00	MURPHY'S WHITE.....		\$3.00	25.00
GUARDIAN ANGEL.....		1.25	10.00	FLORA HILL.....		1.25	10.00
MRS. HIGINBOTHAM.....		2.00	15.00	WHITE CLOUD.....		1.25	10.00
SYBIL.....		3.00	25.00	PERU.....		1.25	10.00
McKINLEY.....		3.00	25.00	NORWAY.....		1.25	10.00
FOOST.....		1.25	10.00	MARION.....		1.25	10.00
				GOV. LOWNDES.....		3.00	25.00
RED.				VARIEGATED.			
ESTELLE.....		2.50	20.00	MRS. BRADT.....		2.00	15.00
MRS. INE.....		1.25	10.00				
CHICAGO (Red Bradt).....		2.00	15.00				
HARLOWARDEN.....		3.00	25.00				
ROOSEVELT.....		3.00	25.00				

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 WABASH AVE., CHICAGO.

Surplus Roses.

Meteor, Bride, Bridesmaid and Golden Gate, from 2-inch ready for 3-inch, \$2.50 per 100. Fine stock, sure to please.

G. VAN BOCHOVE & BRO., Kalamazoo, Mich. Please mention the American Florist when writing.

WINNIPEG, CAN.—Mager's greenhouse, St. Boniface, was damaged by fire to the extent of \$4,000.

Cardinal NEW ROSES Enchanter

CARDINAL. A robust grower with massive red flowers. First-class winter bloomer. Perfectly hardy.

ENCHANTER. The most prolific winter bloomer. Every shoot produces a flower of a beautiful Testout color. Never gets off color.

— Price of both varieties, \$30.00 per 100; \$6.00 per dozen. CASH WITH ORDER.—

JOHN COOK, 318 N. Charles Street, Baltimore, Md.

Roses. We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2x2½	2½x3	3x3
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Brides.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	LaFrance.....	2.00	3.00	4.00	6.00
8	Kaiserin.....	2.00	3.00	4.00	6.00
9	Woottons.....	2.00	3.10	4.00	6.00
10	Bell Siebrecht.....	2.00	3.00	4.00	6.00
11	President Carnot.....	2.00	3.00	4.00	6.00
12	American Beauties.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

MISCELLANEOUS STOCK. Geraniums, in red, white, pink, salmon, Mme. Salleron, rose, Alternantheras, red and yellow. Cannas, Coleus, Fuchsias, Begonias, Flowering and Rex, Sweet Allysum, Feverfew, Cuphea, Lantanas, Cobea Scandens, Ageratums, Pansies, Verbenas, Salvias, Vincas, Lilies nearly all summer and Small Ferns for Fern Dishes. **CEO. A. KUHL, Pekin, Ill.**

Please mention the American Florist when writing.

Grafted Roses

LIBERTY, BRIDESMAID, BRIDE and GOLDEN GATE.

BEAUTIES ON OWN ROOTS.

Only the best English Manetti used, and plants are strong and vigorous, with abundant roots. Ready now to ship or repot into 3½-inch pots.

ROBERT SIMPSON,
CLIFTON, N. J.

Please mention the American Florist when writing.

ROSES FOR FORCING Nice healthy stock, selected from well-grown plants. Sure to give good results.

	2½-in. per 100.	3-in. per 100
American Beauty.....	\$8.00	\$10.00
Perle.....	3.00	6.00
Meteor.....	3.00	6.00
Bridesmaid, extra fine.....	3.00	5.00
Bride.....	3.00	5.00
Golden Gate.....	3.00	5.00
Ivory.....	3.00	5.00

Special price on thousands.

BOSTON FERNS. 2½-in. \$3.50 per 100, 3-in. \$8, 4-in. \$12, 5-in. \$25 and 6-in. \$40. Also some fine specimens in pans.

Note the low prices on the smaller sizes.
W. H. CULLETT & SONS, Lincoln, Ill.

American Beauty.

From bench, 1-year-old, cut back, \$10.00 per 100; \$90.00 per 1000. American Beauty, 2½-in. pots, \$5.00 per 100.

Bride, Bridesmaid, Golden Gate, } 2 x 2½-inch pots, \$3.00 per 100; \$25.00 per 1000.
Forge-t-me-nots, 2½-inch, \$3.00 per 100.

RHOTEN BROS. & CO., Box 5, Danville, Ill.

Rose Plants

BRIDE and BRIDESMAID, from 2½-in. pots, \$3.50 per 100; \$30.00 per 1000; from carefully selected wood—worth the price.

L. B. CODDINGTON, Murray Hill, N. J.

ROSES FOR SUMMER BLOOMING.

Kaiserin and LaFrance \$3 per 100; \$25 per 1000. **VIOLET STOCK**, in pots or R. C. Write for prices. **CARNATION**, from soil, Lawson and Crane, \$2.50 per 100; \$20 per 1000. These are extra quality stock. Harlowarden, \$3 per 100. M. Glory and Norway, \$2 per 100; \$15 per 1000. Flora Hill and White Cloud, \$1.50 per 100; \$12.50 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Stanley Ashton & Co.,
Southgate, England.

The live British Orchid growers and importers supply plants singly or by thousands with equal pleasure. Write for quotations and American testimonials. Brazilian species in bulk shipped direct from Brazilian port. Hybrids a great specialty.



American Beauties

Fine Stock from 2½-inch pots, \$5.00 per 100.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROTHERS, New Castle, Ind.

South Park Floral Company.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.

Roses for the COMING SEASON

Fine stock now ready on own roots.

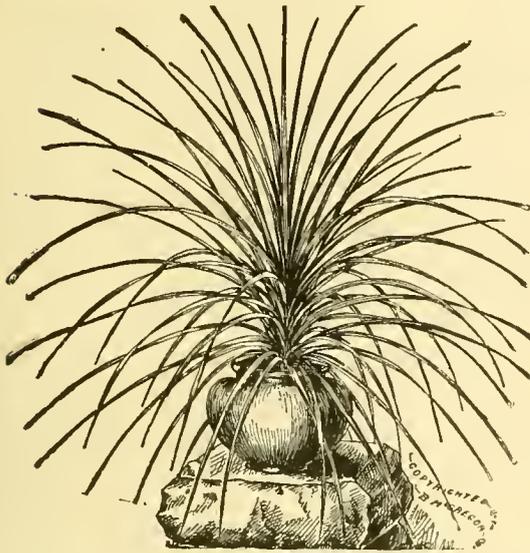
LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, METEOR, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

New Carnation LOUISE NAUMANN.

Dark pink, fully as large as Lawson and over. True color. The best money maker. From soil, \$1.25 per dozen; \$8.00 per hundred. Speak quick. Cash with order.
G. M. NAUMANN, 1537 Doan St., Cleveland, O.



Dracaena Indivisa.

DREER SPECIALS IN SEASONABLE STOCK.

DRACAENA INDIVISA. Fine plants for centers of Vases, Window Boxes, Etc. 4-inch pots.....	Per Doz.	Per 100
5-inch pots.....	\$2.00	\$15.00
AMPELOPSIS VEITCHII. Extra heavy two-year plants, 2 to 3 feet, heavy, bushy plants. 4-inch pots.....	2.50	20.00
5-inch pots.....	1.25	10.00
ARISTOLOCHIA SIPHO. Strong plants.....	2.00	15.00
BIGNONIA GRANDIFLORA. Strong plants.....	3.50	25.00
Radicans. Strong plants.....	3.00	20.00
CLEMATIS. Strong two-year-old plants.....	1.50	10.00
Duchess of Edinburgh.....	3.50	25.00
Gipsy Queen.....	3.50	25.00
Henry.....	3.50	25.00
Jackman.....	3.50	25.00
Jackman Superba.....	3.50	25.00
Lilicina Floribunda.....	3.50	25.00
Mme. Baron Veillard.....	3.50	25.00
The Gem.....	3.50	25.00
The President.....	3.50	25.00
HARDY JASMINES. White and Yellow.....	1.50	12.00
WISTARIA SINENSIS. Blue, \$3.50 per dozen; \$25.00 per 100. White.....	4.00	30.00

For a complete list of **SEASONABLE STOCK**, including a complete list of **HARDY PERENNIALS**, Roses for out-door planting, Dahlias, etc., see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Hydrangea Hortensis Rosea.

The Best Novelty introduced in recent years.

2 1-4-inch pots, \$6.00 per Dozen; \$45.00 per 100.

For Immediate Delivery.

JULIUS ROEHRS, Exotic Nurseries, Rutherford, N. J.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all-season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100
Flamingo, fine scarlet.....	\$3.00	\$12.00
Mrs. M. A. Patteu, fine variegated.....	3.00	12.00
Crusader, scarlet.....	2.00	10.00
Reliance, white.....	2.00	10.00
50 at 100 rate.....		

	Per 100	1000
Harlowarden, best crimson.....	\$5.00	\$40.00
Governor Lowndes, finest white.....	6.00	50.00
Genevieve Lord.....	2.00	20.00
Mrs. E. A. Nelson.....	3.00	30.00
Norway.....	2.50	20.00

	Per 100	1000	Per 100	1000
Prosperity.....	\$3.00	\$25.00	Estelle.....	\$3.00 \$25.00
Lorna.....	2.00		Mrs. R'velt.....	4.00 35.00
Sibyl.....	4.00	30.00	Fair Maid.....	3.00 25.00
Lillian Pond.....	4.00	35.00	Gov. Wolcott.....	4.00 35.00

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

STRONG, CLEAN AND HEALTHY

CARNATIONS.

FROM 2 1-4-INCH POTS.

	Per 100	1000	White.	Per 100	1000
Pink.....			Flora Hill.....	\$2.00	\$20.00
Joost.....	\$2.00	\$20.00	Innocence.....	2.50	20.00
Marquis.....	2.00	20.00	Glacier.....	2.50	25.00
Dorothy.....	2.50	25.00	Her Majesty.....	4.00	40.00
Scarlet.....			Variegated.....		
Crane.....	2.50	15.00	Prosperity.....	2.00	10.00

—CASH.—

The W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

Always mention the American Florist when you order stock.

Rooted Carnation Cuttings.

PINK.	100	1000	RED.	100	1000
Mrs. Lawson.....	\$1.75	\$15.00	G. H. Crane.....	\$2.00	\$18.00
Mrs. Nelson.....	2.00	18.00	America.....	2.00	18.00
Guardian Angel.....	1.25	10.00	Palmer.....	2.00	18.00
Dorothy.....	1.50	12.50	2-INCH ROSE PLANTS.	Per 100	1000
Mrs. Joost.....	1.25	10.00	Bridesmaid.....	\$3.00	\$25.00
			Bride, Perle.....	3.00	25.00
WHITE.			Golden Gate, Ivory.....	3.00	25.00
Flora Hill.....	1.25	10.00	American Beauty.....	5.00	45.00
White Cloud.....	1.25	10.00	Liberty.....	5.00	45.00
Queen Louise.....	1.25	12.00	3-inch PERLE rose plants.....	4.00	35.00
LIGHT PINK.					
Higinbotham.....	2.00	18.00			
Prosperity.....	2.00	18.00			

Cuttings have never been so good as this season.

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

CRISIS

The **BEST** commercial scarlet Carnation on the market for 1905. Early and continuous bloomer. Color, the richest scarlet; blooms, three inches and over, and never bursts; stems, 24 to 30 inches long and very

stiff. We court investigation.

PRICES: \$2.00 DOZEN; \$12.00 PER HUNDRED; \$100.00 PER THOUSAND; \$95.00 PER THOUSAND IN FIVE THOUSAND LOTS.

Davis Bros., Bloomsburg, Pa.—

Gentlemen:—Please book my order for 5,000 of your new red carnation "Crisis." I have watched this carnation for the last three years and I believe it is the best red carnation in cultivation to-day. I sold several thousand blooms of this variety for you last year. It proved to be a good shipper and always gave satisfaction.

Yours very respectfully,

J. L. DILLON.

BLOOMSBURG, PA., Mar. 18, 1904.

DAVIS BROTHERS CO., Bloomsburg, Pa.

Please mention the American Florist when writing.

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100;
\$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pick; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimson. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEENS, L. I.
Please mention the American Florist when writing.

Carnations.

Per 100 1000
ETHEL CROCKER, from soil...\$1.00 \$7.50

Per 100
MRS. HIGINBOTHAM\$1.50
PRES. MCKINLEY..... 1.50
GAIETY..... 1.50
TIGER..... 1.50
HER MAJESTY..... 1.50

All other varieties sold. Get your order in quick.

ALBERT M. HERR, Lancaster, Pa.

Carnations.

From 2-inch pots. Very fine, well branched.

Per 100 1000
THE QUEEN.....\$6.00 \$50.00
LILLIAN POND..... 4.00 35.00
PRES. MCKINLEY..... 4.00

LARCHMONT NURSERIES

Larchmont, N. Y.

Please mention the American Florist when writing.

First-Class CARNATION CUTTINGS

from soil. Nothing but stem cuttings.

Per 100 Per 1000
4,000 Harlowarden..... \$1.00 \$80.00
1,000 Norway..... 1.50 15.00
1,200 Higinbotham..... 2.00 20.00
500 Nelson..... 2.50 25.00
500 Marshall Field..... 2.50 25.00
and other varieties.

FISCHER & POPPE, Blue Island, Ill.

—PLACE YOUR ORDER NOW.—

“Fiancee”

To Be Disseminated Next January.

CHICAGO CARNATION CO., Joliet, Ill.

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE,
Box 226. KENNETT SQUARE, PA.

Carnations From Pots and Soil.

IF YOU ARE SHORT FOR YOUR FIELD PLANTING WE HAVE THE FOLLOWING CARNATIONS, EXTRA FINE, STRONG STOCK FOR PLANTING IN THE FIELD. Order Before They Are Gone.

Crusader, 2-inch pots	Per 100 \$8.00	Mrs. A. E. Nelson, soil.....	Per 100 \$3.00
Cressbrook, soil.....	2.50	Mrs. Potter Palmer, soil.....	2.50
Estelle, soil.....	3.00	Mrs. Theo. Roosevelt, soil.....	4.00
Fragrance.....	5.00	Mrs. Patten, 2-inch pots.....	10.00
Indianapolis, soil.....	10.00	Pres. McKinley, soil.....	3.00
Morning Glory.....	2.00	Prosperity, soil.....	2.00
Mrs. Joost, soil.....	1.50	The Belle, soil.....	10.00

DORMANT CANNAS.

Strong 2-3 eyed bulbs. TRUE STOCK.

Black Beauty.....	Per 100 \$7.00	Mme. Louis Druz.....	Per 100 \$ 2.50
Chas. Henderson.....	2.00	Mlle. Berat.....	2.50
Duke of Marlborough.....	2.00	Pennsylvania.....	5.00
David Harum.....	6.00	Red Indian.....	5.00

CHRYSANTHEMUM PLANTS

2 1/2-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow.
Timothy Eaton, mammoth white.
Mrs. Perrin, pink.
May Foster, white, fine for pot plants.

Omega, best early yellow.
Yellow Mrs. Jerome Jones, bright lemon yellow.
Ivory, early white.
Miss Agnes L. Dalskov, early pink.

CHOICE

Estelle—Early white, good for cut flow-
ers or pot plants..... Per 100 \$4.00

SORTS.

Marian Newell—Almost pure pink, very large
Columbia—Pink, lighter than Morel..... Per 100 8.00

ROSES. Clothilde Soupert and Hermosa, 2-
inch, at 3c; 2 1/2-inch, at 4c; 3-inch, at 6c; 4-
inch at 10c.

New Century, grand new rose, 4-inch, per
dozen..... \$1.50

Bedding Roses, in large quantity fine stock
from 2 1/2-inch pots, per 100..... \$3.50

H. P. Roses, dormant 2-year old, per 100, \$11.00
La France Mrs. John Laing
Baroness Rothschild Mad. G. Luizet
Magna Charta Ulrich Brunner
Pæonie American Beauty

AMPELOPSIS VEITCHII, 3 to 4 feet, heavy,
per doz.....\$2.00; per 100.....\$16.00
2 to 3 feet, per 100..... 14.00

HARDY PHLOX, 25 named kinds, 2-inch pot
plants from cuttings, make better plants than
divided roots and bloom freely all summer.
Per 100..... \$4.00; per 1000.....\$35.00

HYDRANGEA PANICULATA GRANDI-
FLORA, 3 feet, each 12c; 18 in., per 100..... \$8.00
Standards, per dozen..... 3.00

HYDRANGEA OTAKSA, strong 2 1/2-inch
pots, per dozen..... 4.00

Vaughan's Seed Store, Chicago.

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

WHITE.	Cuttings per 100	Cuttings per 1000	2-in. pot pits 100	YELLOW.	Cuttings per 100	Cuttings per 1000	2-in. pot pits 100
Timothy Eaton.....	\$2.00	\$15.00	\$3.00	Col. Appleton.....	1.50	12.50	2.00
Chadwick.....	2.00	15.00	3.00	Major Bonnaffon.....	1.50	12.50	2.00
White Bonnaffon.....	1.50	12.50	2.00	Yellow Mayflower.....	1.50	12.50	2.00
Wanamaker.....	1.50	12.50	2.00	Omega.....	1.50	12.50	2.00
Geo. S. Kalb.....	1.50	12.50	2.00	PINK.			
Estelle.....	1.50	12.50	2.00	Wm. Duckham.....	25.00		
Robinson.....	1.50	12.50	2.00	Mrs. Murdoch.....	1.50	12.50	2.00
Ivory.....	1.50	12.50	2.00	Vivian-Morel.....	1.50	12.50	2.00
Merry Xmas.....	1.50	12.50	2.00	Mme. Perrin.....	1.50	12.50	2.00
Polly Rogers.....	1.50	12.50	2.00	Pacific.....	1.50	12.50	2.00
White Mayflower.....	1.50	12.50	2.00	M. Newell.....	1.50	12.50	2.00
YELLOW				Richardson.....	1.50		
Golden Wedding.....	1.50	12.50	2.00	Lavender Queen.....	1.50		
Golden Beauty.....	1.50	12.50	2.00	J. K. Shaw.....	1.50		
October Sunshine.....	1.50	12.50	2.00	RED.			
				Oakland.....	1.50		2.00

ROSE PLANTS.

In 2 1/2-inch pots.	Per 100	1000	In 2 1/2-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

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.

15 Per Cent Discount on all orders to Clean Up Surplus for the next 60 days. Write me your wants at once.

STOCK PLANTS, ROOTED CUTTINGS and PLANTS in SMALL POTS.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2082 Park Ave. David S. Beach, Prop.

CARNATION CUTTINGS.

Well-rooted, strong, healthy cuttings of the following varieties:

Per 100 1000		Per 100 1000	
Oriole.....	\$1.50 \$12.50	Prosperity.....	\$2.00 \$15.00
Portia....	1.20 9.00	Joost.....	1.20 9.00
Lorna....	1.50 12.00	Flora Hill..	1.50 10.00
W. Cloud.	1.50 12.50	Mrs. Palmer	1.50 12.50
Q. Louise.	1.50 12.50	Mrs. L. Ine	1.50 10.00

ROSE CUTTINGS.

Choice well-rooted stock.		Per 100 1000	
Bridesmaid..	\$1.25 \$12.00	Bride.....	\$1.25 \$12.00
Mme. Chatenay.....	3.50 30.00	American Beauty.....	3.00 22.50
Golden Gate.....	1.25 12.00		

ROSE PLANTS.

Strong stock in 2 1/4-in. pots.		Per 100 1000	
Bridesmaid.....	\$2.75 \$22.50		
Bride.....	2.75 22.50		
Golden Gate.....	2.50 20.00		
Bride, 3 inch, extra choice.....	5.00 40.00		
Bridesmaid, 3-inch, extra choice.....	5.00 40.00		
Mme. Chatenay, 2 1/4-inch pots.....	5.00 45.00		
Mme. Chatenay, 3-inch pots.....	6.00 55.00		

ABOVE PRICES CASH WITH ORDER.

JOHN BROD, Niles Center, Illinois.

Please mention the American Florist when writing.

ROSES.

BRIDE, BRIDESMAID, 2-inch pots, ready to shift, \$3.00 per 100; \$25.00 per 1000.

VERBENAS.

Rooted Cuttings... 75c per 100; \$ 5.00 per 1000
Pot Plants.....\$2.50 per 100; 20.00 per 1000

	Per 100
AGERATUM, Stella Gurney.....	\$3.00
FEVERFEW, Little Gem.....	3.00
HELIOTROPE, Four Varieties.....	3 01
LOBELIA, Dwarf.....	2.50
SALVIA, Splendens and Clara Bedman.....	3.00
GERANIUMS, S. A. Nutt, 4-inch pots.....	9.00

H. S. COURTNEY,

SPARKILL, N. Y.

Please mention the American Florist when writing.

NEW PINK CHRYSANTHEMUM

AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/4 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y.
Jamaica P. O., Woodhaven Station.

Loomis Floral Co.,

CARNATIONS,

Loomis, Cal.

BEGONIA GLOIRE DE LORRAINE,

2 1/4-inch pots, \$15.00 per 100.

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

THOMAS ROLAND, Nahant, Mass.

CARNATIONS.

2 1/4-inch Gov. Wolcott, Lillian Pond, Apollo, Harlowarden, \$4.00 per 100. 2 1/4-inch Prosperity, Lorna, Palmer, Lawson, Mary Wood, Roosevelt, \$3.00 per 100. F. Hill, Joost, \$2.50 per 100.

ROSES 2 1/4-inch Bridesmaid, Bride, Gate, \$30.00 per 1000; \$3.50 per 100.
2 1/4-inch Chatenay, \$50.00 per 1000; \$6.00 per 100.

Cut back 2-year-old Beauties, Maids, Brides and Gates, prices on application.

CHRYSANTHEMUMS.

CUTTINGS 2 1/2-IN. POT		CUTTINGS 2 1/2-IN. POT	
per 100	per 1000	per 100	per 1000
WHITE			
Willowbrook.....	\$1.50	\$2.50	
Estelle.....	1.50	2.50	
Geo S. Kalb.....	1.50	2.50	
Timothy Eaton.....	2.00	3.00	
Mery Christmas.....	1.50	2.50	
Wanamaker.....	1.50	2.50	
Robinson.....	1.50	2.50	
Chadwick.....	2.50	4.00	
Fitzwygram.....	2.00	3.50	
White Bouaaffon.....	2.00	3.00	
Crawford.....	2.00	3.00	
Ivory.....	1.50	2.50	
Jones.....	1.50	2.50	
YELLOW			
Bonnaffou.....	1.50	2.50	
Appleton.....	1.50	2.50	
E. D. Smith.....	1.50	2.50	
Omega.....	1.50	2.50	
Whildin.....	1.50	2.50	
Parr.....	1.50	2.50	
Sunshine.....	1.50	2.50	
Yellow Jones.....	2.00	3.00	
Yellow Eaton.....	2.50	4.00	
Pennsylvania.....	2.00	3.00	
YELLOW			
Golden Wedding.....	2.00	3.00	
Gold Mine.....	2.50	3.50	
Monrovia.....	2.00	3.00	
Nagoya.....	2.00	3.00	
Chautauqua Gold.....	2.00	3.50	
Robert Halliday.....	1.50	2.50	
Eclipse.....	2.50	4.00	
PINK			
Murdock, Perrin, Morel, Pacific.....	1.50	2.50	
Coombs, Shaw, Quito.....	2.00	3.00	
Richardson, Liger, Heno, Maud.....			
Dean.....	1.50	2.50	
Duckham Sensational Pink.....	25.00	30.00	
RED			
Childs, Intensity, Schrimpton.....	2.00	3.00	
BRONZE			
Lady Hanham.....	2.00	3.00	
Percy Plumeridge.....	6.00	8.00	
Mounier.....	1.50	2.50	
C. J. Salter.....	6.00	8.00	
T. W. Pockett.....	6.00	8.00	
Lord Hopetoun.....	10.00	12.00	

Headquarters for Finest Cut Roses and Carnations. Shipments made direct from Greenhouses or Store.

POEHLMANN BROS., Morton Grove, Cook County, Ill.

Please mention the American Florist when writing

Asparagus, Carnations, Roses, Etc.

ASPARAGUS PLUMOSUS, Seedlings from flats at \$2.00 per 100.

ASPARAGUS SPRENGERI, \$2.50 per 100; 3-inch pots, \$3.50 per 100.

KENTIA BELMOREANA, strong bushy, 3-inch pot plants, \$12.00 per 100; 4-inch pot plants, 15 inches high, \$30.00 per 100.

COCOS WEDDELLIANA, 3-inch pots, 10 inches high, \$15.00 per 100.

CARNATIONS.

Strong pot plants from selected cuttings. Per 100	
Mrs. Lawson.....	\$3.00
Queen Louise.....	2.50
White Cloud.....	2.50
Flora Hill.....	2.50

CARNATIONS.—Continued. Per 100
Dorothy..... 3.00
Gov. Roosevelt..... 3.00
Mrs Higinbotham..... 3.50
Prosperity..... 3.50

LEMON, American Wonder, \$3.00 per 100.

OTAHEITE ORANGE, \$3.00 per 100.

MOONFLOWER (Ipomea Grandiflora), \$3.00 per 100.

Headquarters for best stock of Dormant Hybrid Perpetual, Moss, Crimson Rambler and Tree or Standard Roses.

Rhododendrons, Azalea Mollis, Clematis and a full line of Hardy Shrubs, Vines and Plants.

—Catalogues and price lists free.—

THE STORRS & HARRISON COMPANY,

Painesville, Ohio.

Please mention the American Florist when writing

AMERICAN BEAUTIES.

Clean and healthy. The prices are low but the stock is equal to the best.

2-inch.....\$5.00 per 100; \$45.00 per 1000. 3-inch.....\$6.00 per 100; \$55.00 per 1000
4-inch.....\$8.00 per 100; \$75.00 per 1000.

If not absolutely satisfactory return stock and money will be refunded. Send \$1.00 for samples if dubious.

GRAND RAPIDS VIOLET CO., 163 Madison Ave., GRAND RAPIDS, MICH.

Please mention the American Florist when writing.

Burbank's New

SHASTA DAISY

Strong branching plants, 3-inch pot plants, ready for shift, \$7.00 per 100. 2 1/4-inch pot plants, \$4.00 per 100. : : : : :

Des Moines Plant Co.
38th St., Des Moines, Ia.

Field-Grown 'Mums

We have 10,000 of these plants.

Also 25,000 VIOLETS for the trade at \$1.50 per 100.

F. O. B. Shreveport, La. Cash.

Also fine, up-to-date rose stock.

Downs & Company,

SUCCESSORS TO

Shreveport Nursery and Orchards Co.

Shreveport, La.

AGERATUM, Gurney, Pauline, SALVIA, Splendens, Silver Spot, Bonfire, GIANT MARGUERITE DAISY, 2-inch, 2c. VINCA, variegated, 2-inch, \$1.50 per 100.

Routed Cuttings Prepaid. STEVIA, variegated, 75c per 100. AGERATUM, Gurney, Pauline. ALTERNANTHERA, yellow, 50c per 100. VINCA, Variegated, FUCHSIAS, 5 kinds, 75c per 100. PETUNIA, double, 12 kinds, LANTANA, Trailing and Markets Perfection. HELIOTROPE, blue. GIANT MARGUERITE DAISY, white, \$1.00 per 100. COLEUS, 10 best bedders, 50c per 100.

Unrooted Cuttings Prepaid. FUCHSIA, 5 kinds. SALVIA, Silver Spot. LANTANA, 5 kinds. STEVIA, Variegated, 50c per 100. ALTERNANTHERA, yellow, 35c per 100.

CASH

BYER BROS., Chambersburg, Pa.

FIRST-CLASS STOCK.

Satisfaction Guaranteed. I ship orders the same day received at special express rates.

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Per 100
10 varieties, 2-inch pots \$2.00
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Leaves	Height in.	Each	Doz.	100
3-inch.....	5-6	40-46	\$1.00	10.10 \$10.00
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SYRACUSE, N. Y.—Lyman C. Smith has broken ground for a conservatory which he will erect at the rear of his residence. It is to be a large and costly building of concrete and glass. A Turkish room, an aquarium and a choice collection of rare plants will make it attractive.

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Size No. 0.	3x 4x20.....	\$2 00	\$19.04
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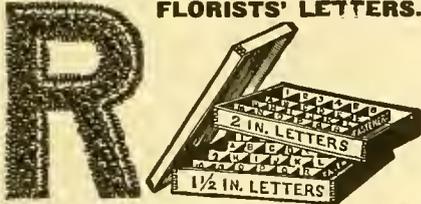



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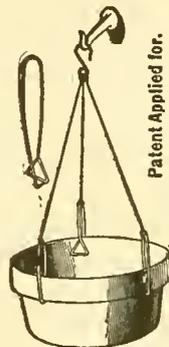
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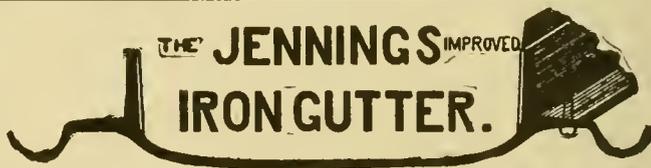
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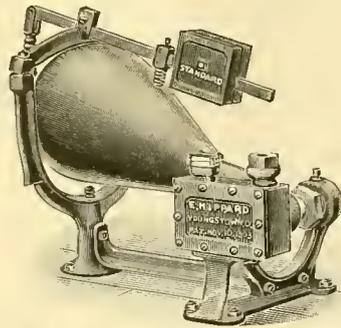
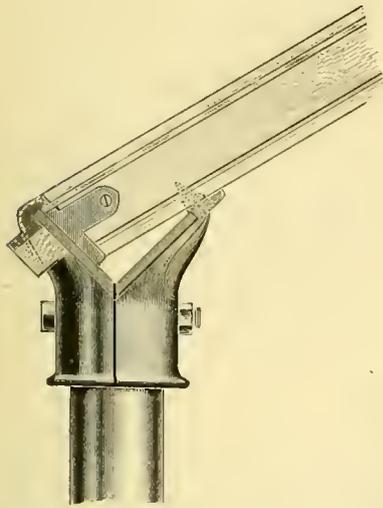
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WE OFFER FOR IMMEDIATE ACCEPTANCE:

- 1 72x16 horizontal tubular boiler, in excellent condition, complete with front and all castings and fittings.....\$400.00
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- 4 42x14, each..... 170.00

- And many other sizes.
- 100,000 feet 4-inch boiler tubes, in good condition, overhauled, rattled, squared ends, which we furnish with sleeve couplings, per foot..... .10
 - 100,000 ft. of 3 1-2 in. per ft. .08
 - A million feet of standard black wrought iron pipe, overhauled, with threads and couplings; sizes from 3-8 to 16-inch.

- Good second-hand Globe, Angle, Check, Gate and Pressure Valves at low prices.
- 12 carloads galvanized wire, gauges 10 to 14. It is in short lengths, ranging up to 250 feet. One gauge only to a bale. Price per bale of 100 lbs..... 1.40
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We purchased at sale 50,000 ft. new, 3/4 inch rubber water hose, 50 ft. lengths, complete with couplings, price per length 2.25 Other grades for sale.

WRITE FOR OUR CATALOGUE NO. 47.

Chicago House Wrecking Co.,
W. 35th & Iron St., CHICAGO, ILL.

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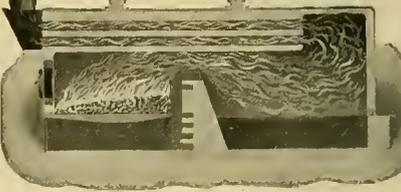
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Greenhouse Boiler
 33 Erie St., CHICAGO.



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 New Roof Construction, Automatic Stokers, Water Tube Steam Boiler, Automatic and Hand Ventilators.....
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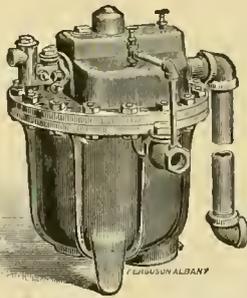


Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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

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 The Best and Lowest in Price. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.
DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

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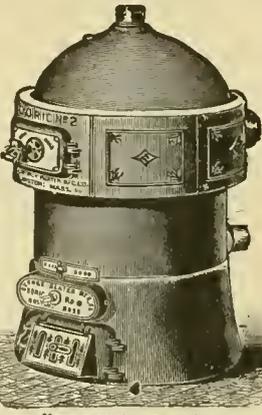
This is the Return Steam Trap used by the Up-to-date Greenhouse men to return the condensed water from the heating coils in their greenhouses. **Have been in use for this purpose over 30 years.**
Insures an Even Temperature.
 Send For Red Catalogue.
Albany Steam Trap Co.
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 Life insurance is valuable because it guarantees the outcome.

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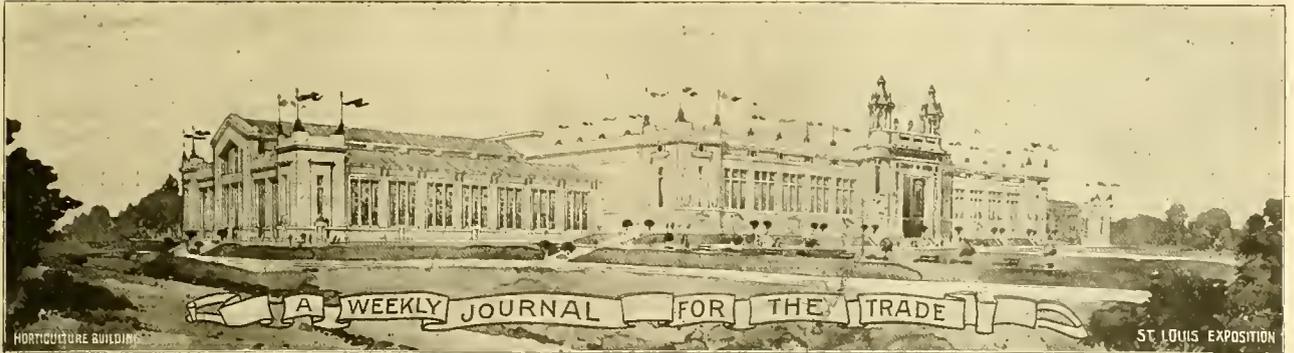
"BR'CHT IDEA," "DORIC" and "400 SERIES" do the same thing for your hothouse: **THEY GUARANTEE THE CROP.** First of all they save 20 per cent on the coal bill and so keep expense at a minimum. Next, they produce an even heat and so do not imperil the life of the plant. Next, they are simple to operate and so require least attention. Lastly, they wear longer than others and thus perceptibly reduce the capital invested. Don't buy or exchange until you've investigated them.

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 74 Franklin Street, BOSTON, MASS. 111 Fifth Avenue, NEW YORK CITY.



"DORIC" HEATER.

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."

Vol. XXII.

CHICAGO AND NEW YORK, MAY 7, 1904.

No. 831.

THE AMERICAN FLORIST

NINETEENTH YEAR.

Copyright 1904, by American Florist Company
Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 42 W. 28th St., New York.

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Subscriptions accepted only from the trade.

Volumes half-yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

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1905. LEONARD BARRON, 136 Liberty St., New
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Annual convention and exhibition, November,
1904. FRED H. LEMON, Richmond, Ind., secretary.

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THE ROSE.

The bloom upon her housemaid's cheek,
My lady envies. Well-a-day!
No soil suits roses (they declare
Who ought to know) like common clay.
—From Puck.

Diseased Roots.

ED. AM. FLORIST:—I send you under
separate cover a rose plant with the roots
badly diseased. The plants flowered well
until January and then seemed played
out. Kindly state trouble and oblige.

C. A. B.

The plant received from C. A. B. had
all the appearance of having been killed
from overfeeding, or else from overwater-
ing. I could find no trace of any of the
ordinary diseases which roses are subject
to, but the roots were all decaying.
Without any information to guide me in
the matter I should think they had either
been overwatered at a critical time or
else overfed with some strong fertilizer.
If C. A. B. will give more details as to
treatment previous to their showing the
trouble it would be much easier to arrive
at the true cause of failure, as it is
simply guess work to assign a cause
now.

J. N. MAY.

Growing American Beauty.

ED. AM. FLORIST:—Will you kindly tell
through your paper the best way to grow
American Beauty roses, including soil,
temperature, both day and night, water-
ing, etc.

J. H. H.

To grow American Beauty successfully
requires somewhat different treatment
from that given the ordinary tea varie-
ties. First, it should have a steady night
temperature of 60° with a liberal amount
of air during bright sunny weather. The
temperature should be allowed to run up
to 75° in the middle of the day. Com-
mencing to ventilate in the morning as
soon as the thermometer begins to rise,
gradually increase with sun heat but
always avoid sudden changes either by
day or night. Watering should be done
with care and good judgement. When
the soil shows indication of getting a
little on the dry side give enough to
moisten thoroughly every part of it. This
should be done as early in the day as
possible and only on warm days. Then
let them get into the same condition
before watering again. Spraying should
be done on all bright, sunny days to keep
down insects. Soil for Beauty should be
fairly rich as it is a strong feeder. For

ordinary soils add one part of good, well
decomposed manure to four of soil.
Thoroughly mix and break up fine before
putting into the house. When planting
press the soil firmly about the roots and
as soon as the plants have started to
grow beat the whole surface solid. Give
a thin mulching, half to three-quarters of
an inch, after they are well established,
and repeat this every six or eight weeks
through the entire season. The best kind
of soil for Beauty is a fairly good stiff
loam, from an old pasture preferred.

J. N. MAY.

Mildew on Roses.

ED. AM. FLORIST:—What is the cause
of mildew on roses? The plants grow
very well but for mildew. We keep the
temperature at about 50° to 60° at
night. We spray in all bright weather
in the morning, then gradually open the
ventilators. We try to keep the tempera-
ture between 60° and 70° in day time.
Does the mildew come at night or is it
caused by the cold air coming in through
the ventilators in cold, bright days? We
try to get the houses well dried before
night.

A SUBSCRIBER.

Mildew on roses can be traced to sev-
eral different causes. The one which gen-
erally produces it most abundantly is an
uneven temperature, particularly during
the night. This in conjunction with a
badly drained bottom will always pro-
duce an abundant crop of it, and the
subscriber's description of carrying the
temperature at about 50° to 60° at night
points to the cause in this case. This is
far too wide a range to keep a rose
house free of mildew. A night tempera-
ture of 54° to 56° should be kept for the
general class of tea roses, and as soon as
the thermometer registers 4° or 5° higher
in the morning commence putting on air
by degrees, increasing the same as the
temperature rises, allowing for cold, cut-
ting winds. Plants are like animals.
They thrive best and keep more healthy
with an abundance of fresh, pure air.
Regarding the time mildew comes, there
is no set time for it to start any more
than there is for a man to get a cold and
sore throat. The same conditions that
will produce one will also bring the other.
Let a man get a shower bath in a warm
room and then expose himself to a cold
current of air and the chances are he will
have something more than a mere cold
to fight. The same law applies to plants
in a measure. There are many ways
to produce mildew on roses besides the

above, but that is the most prolific cause of the trouble. To prevent its appearance a steady, uniform temperature at night, combined with a moderately dry, healthy atmosphere is needed. Commence opening the ventilators early in the morning as soon as the temperature begins to raise. Syringe and water as required early in the day but do not keep the ventilators closed till it is done. A damp, undrained bottom to the house will always keep mildew there ready to start into life at any opportunity.

J. N. MAY.

Montrose Greenhouses.

The establishment, illustrations of which appeared in the AMERICAN FLORIST April 30, 1904, has now passed through its second season with results highly gratifying to the advocates of large rose houses. It is situated in Lynnfield, near Boston. The property is owned by N. F. McCarthy, the wholesale florist and auctioneer, and is conducted by Eber Holmes. The soil of the old farming district in which it is located is deep and rich and must have had some relation to the grade and quantity of the flowers produced, but Mr. McCarthy is convinced that the satisfactory outcome of his venture is largely due to the size of the house, which is 32x500 feet. This is in accord with the testimony of all who have thus far given large houses a trial. The next to be erected will be even larger, either 50 or 60 feet by 900 feet, on the principle, as expressed by Mr. McCarthy, that the nearer we get to the conditions of the open field the better results we shall attain. As shown in the picture, the chimney and boiler-room are rather striking objects architecturally, being built of the boulders that abound in the neighborhood, laid in red mortar, and they are equipped with heating capacity of sufficient extent to accommodate any number of houses that are likely to be built. The varieties under cultivation are Bride, Bridesmaid and Ivory, all grafted stock, second year, transplanted and tied down after having had a six weeks' rest last summer.

French Florists Have Hard Times.

The condition of the cut flower trade has been most disastrous all through the winter and spring, with the exception of the Easter days. The florists, who rightly are bitter in their complaints, attribute the lack of business to various causes. First of all to the dissolution by the French government of the great number of religious bodies which, on their frequent festivals, bought immense quantities of flowers to adorn their homes, chapels or churches. Secondly, to the anxiety felt in consequence of the Russia-Japanese war, which prevented many wealthy people in Russia as well as in other European countries from traveling on the Riviera or from buying flowers as lavishly as usual. To these causes may be added the fact that many plants which are often winter-killed, passed the winter unharmed and had not to be replaced in the gardens of our northern region. Lack of buyers and the consequent glut of flowers and plants brought about a considerable decline in the prices. To get rid of their stock, florists had to sell it in many instances at one-fifth its usual value which resulted in a heavy loss to them. They claim not to have witnessed such an unfortunate season for many years.

SPECTATOR.

World's Fair Notes.

The first exhibits of cut flowers were made by the Chicago Carnation Company, Joliet, Ill., and J. Steidle, Central, Mo., both exhibiting carnations, the former firm staging *Fiancee*, *Cardinal*, *Harlowarden*, *Alba*, *Prosperity*, *Marshall Field* and a collection of seedlings.

Landscape Gardener Vacherot has made the grounds of the French building very attractive with ornamental trees, shrubs, fine specimen evergreens and rhododendrons, ponds and grottoes. Roses have been extensively planted, also the espalier and other fruit trees for which France is noted.

Trade visitors during the opening week included Geo. A. Kuhl, Pekin, Ill.; Geo. M. Kellogg, Pleasant Hill, Mo.; John A. Evans, Richmond, Ind.; James Hartsborne, Joliet, Ill.; J. C. Vaughan, Chicago, and Arthur Cowee, Berlin, N. Y.

The gardeners of private estates will find it difficult to locate their department, except as provided by foreign countries, such as France and England, around their buildings.



The Late John Young.
(See obituary, page 629).

From the city take the Market street electric cars for the entrance nearest to the Horticulture building. The Union railroad station is located on Market and Eighteenth streets.

A. E. Leavitt, of Houston, Mo., is up to date with a ginseng plantation in a lath pavilion near the southeast corner of the Horticulture building. The plants are doing well.

Chief Taylor has an excellent room for the S. A. F. meetings in August. It is located in the Agriculture building, and is 50x100 feet, with seating capacity for 1,000.

Arthur Cowee will have an acre of gladioli within the grounds and four acres will be grown at Belleville, Ill., for cut flowers to be exhibited during the season.

Superintendent Hadkinson has made good progress with the work on the grounds and plantations in the vicinity of the Horticulture and Agriculture buildings.

David Brodie has charge of the five-acre tract showing the United States topographically in miniature, with the principal crops of the various states.

An unfinished notch in the Ferris wheel, about one-ninth of its circumference, indicates the present status of the work on the grounds and in the buildings.

T. W. Brown, with assistants Harry Rieman and Fred Walz, have made an excellent feature of the old English flower garden around the British building.

The exposition management has proved unaccountably penurious in its provisions for the horticultural adornment of the grounds in general.

The plants in the wild flower garden near the Agriculture building are making good growth and should attract much attention throughout the season.

Get off at station 10 on the intermural railroad for the Horticulture building. Other reasonably convenient stations are 7, 8 and 9.

The Michell Plant and Bulb Company has a fine display of tulips, hyacinths, etc., from bulbs grown by C. Keur & Sons, Hillegom, Holland.

The S. A. F. visitors will miss the Midway only in name. A turn "Down the Pike" affords all the old allurements and many new ones.

Prof. L. R. Taft, who has charge of the judging in the horticultural classes, is now at his office in the Horticulture building.

Landscape Artist Kessler had made good use of his time and facilities. He should have had earlier opportunity and wider scope.

Chief Taylor is perfecting arrangements for handling and staging expeditiously such perishable exhibits as cut flowers.

E. J. Vawter, of Los Angeles, Cal., makes daily shipments of carnations for display in the California state exhibit.

Chief F. W. Taylor's office is at the south end of the Agriculture building, the end nearest the Horticulture building.

The Huntsville Wholesale Nurseries, of Huntsville, Ala., have extensive exhibits of promising nursery stock.

Many of the exhibits of trees, shrubs and plants about the grounds do not yet bear the names of the exhibitors.

The Schisler-Cornell Seed Company's grass plot on the south front of the Agriculture building looks well.

The exhibits of most southern states are elaborate and the work of displaying them is well advanced.

There is in the city a restaurant called the Physical Culture Dining Room. The name is suggestive.

California has the banner fruit exhibit, with the veteran Frank Wiggins commissioner in charge.

"These bones shall rise again" is the way it is put by one concern manufacturing bone fertilizers.

Horticulture and agriculture are located "away back" in the rear yard of the exposition grounds.

The spring weather on the opening day was ideal, with clear skies and starting buds.

Dreer's perennials are looking well and this firm has extensive reservations for aquatics.

The Peterson Nurseries, Chicago, are on hand with a great variety of excellent material.

The Chicago Peony Farms, of Joliet, Ill., make a feature of *Festiva Maxima* peonies.

The Boloxi Nurseries Company, of Boloxi, Miss., makes a feature of moss roses.

"Sight of work to do here 'fore this is ready," said one of the Jefferson guards.

The work on the horticultural displays of Illinois and Missouri is far behind.



FRONT AND BACK VIEWS OF CARNATION JOHN E. HAINES.

Ellwanger & Barry have extensive displays of well selected nursery stock.

A preliminary schedule of floricultural exhibitions will be issued soon.

H. J. Weber & Sons, St. Louis, make extensive displays of nursery stock.

Superintendent Hadkinson's office is in the Horticulture building.

Peter Brown, of Lancaster, Pa., has his pansy exhibit in good shape.

Vaughan's cannas and phlox will make conspicuous attractions.

Charles Vick is on hand with the New York state exhibit.

Some St. Louis hotels have doubled regular rates.

Greenhouse Building.

Whitman, Mass.—R. E. Moir, one house.

Utica, N. Y.—F. J. Baker, six rose houses, each 18x150 feet.

Syracuse, N. Y.—Lyman C. Smith, conservatory.

Bar Harbor, Me.—F. H. Moses, store and greenhouses.

Groton, Conn.—Plant estate, range of conservatories.

Woodside, N. J.—Edw. Hahn, conservatory.

Gloucester, Mass.—S. F. Haskell, house seventy-five feet long.

Framingham, Mass.—S. J. Goddard, carnation house.

Washington, D. C.—Department of Agriculture, eight houses, each 20x140 feet.

Upsal, Pa.—Wm. Bayard, conservatory.

Kingston, N. Y.—V. Burgevin's Sons, three houses, each 20x100 feet.

Connellsville, Pa.—P. R. DeMuth, five houses, 14x140 feet.

SPRINGFIELD, O.—Eight greenhouses, each 170 feet long, are being erected by Charles N. Kriegbaum, a baker; Edward Kriegbaum and Lewis Campbell, for growing roses. Later additional houses will be built for general greenhouse purposes.

THE CARNATION.

J. H. TROY, of New York, says that the Fragrance carnation, a very fragrant light pink, sells remarkably well with him.

FROM the Chicago Carnation Company, Joliet, Ill., we received some unusually fine blooms of the Cardinal carnation this week. The flowers were three and one-half inches in diameter and all that could be desired in form and color.

We understand that the E. G. Hill Company, of Richmond, Ind., has acquired a one-fourth interest in Cardinal, Witterstaetter's fine new scarlet carnation, the greater part of the stock of which is controlled by the Chicago Carnation Company, of Joliet, Ill.

Haines' New Carnations.

We present in this issue some illustrations of new carnations raised by John E. Haines, of Bethlehem, Pa. Star of Bethlehem is a pure yellow, three inches in diameter, and J. E. Haines a scarlet, from three and one-half to three and three-fourths inches in diameter. One of our correspondents, who saw the plants growing last winter, together with four other seedlings, says they are all very fine, especially J. E. Haines.

Queen Louise in Connecticut.

Queen Louise is one of the limited number of varieties which have given satisfaction and made friends in widely separated localities, varying soils and other divergent conditions east and west. There is no better testimony to its value under Connecticut influences than the photograph reproduced on page 626. The house shown, one of the big range of A. N. Pierson, at Cromwell, Conn., contains 7,880 plants, field-grown, benched about August 1. The photograph was

taken on March 29, 1904. The cut on March 31 was 7,760 first quality blooms. The aggregate cut from the house up to April 10, 1904, was 89,246. Wallace R. Pierson, whose special care the carnation department is, has high commendation for Queen Louise on tap at all times. Results as shown would indicate that his views are well founded.

Planting Out Young Stock.

Planting the young stock in the field should be attended to wherever it is possible properly to work the land. The first thing under consideration is to get the planting ground into condition to receive the plants. First of all, clean up any old refuse that is scattered around over the ground and burn it up. This is a safer plan than to plough it under. The ashes can be scattered over the soil as a good fertilizer for the plants. Carnations, as with outdoor crops, should receive proper consideration as to the nature of the planting ground. The very short season during which, under the present up-to-date method of culture, they are allowed to remain in the field makes it necessary that we give them every encouragement within our power to produce as fine and uniform a plant as is possible in that time. Therefore do not be carried away with the idea that all there is to do is to set the plants outside and let nature do the rest. Do not plant them on any low land where there is a chance of the water standing after heavy rains, and if it is anyway possible to avoid a piece of very stiff, cold, clayey soil or soil where there is an abundance of stones, it will be good policy to do so even at the expense of renting a suitable planting ground for the season.

Planting out is a job that, once started, the sooner it is got through with the better, therefore press every available hand into service. Plough up enough land to give the plants a good margin for their work. See that the ploughing is done as evenly as possible to prevent

there being any broken furrows for the water to stand in. After the ploughing is done we go over the ground with a horse drag made of several heavy timbers spiked together, the edge of each one overlapping the other a little, which breaks up all the clods or lumps and leaves the land as even and as fine as if it were to be seeded to onions or some other fine seed. It is then in good condition for rapid planting. The style of laying out your planting ground must be governed to a certain extent by the amount of land at your disposal. The small grower with only a limited space in which to grow a few thousand plants, who has to save every foot of land he can for other purposes, cannot do better than plant his carnations in beds, setting the plants about ten inches apart each way, making each bed about five feet wide, leaving about a foot between each bed to attend properly to the hoeing of the soil and topping of the plants.

Our method of field culture is to plant in blocks, each block running about 100 feet wide and its length being several hundred feet, according to the lay of the land. When ready to plant we stretch a line across the width of the block, planting ten inches apart in the rows and eighteen inches between the rows, continuing this until our planting is complete. If one block of land is not enough we follow on to the next. This makes the rows contain about 120 plants. We much prefer having the rows of each variety run about this length rather than to stretch them out several hundred feet, one reason being when we go to dig a certain variety we have it all there together.

When ready for planting the young plants are knocked out of the pots and set close together in trays while in the house or at the frames, as the case may be, enough of them being hauled into the field to keep the planters busy. When planting we start from each end of the line and work toward the center. At starting we commence at the right hand of our block of land and plant toward the left, and when the last plant of each variety is set out the label is put in so that when complete every variety reads from left to right, the same as they do in the greenhouse. Every man on the place understanding this, you can send any of them to the field for plants. The nature of the land here is such that we use a trowel in planting and after the first few rows are planted the planter plants astride the row to avoid tramping down the unplanted space. Also those who drop the plants do all their walking between the rows that are already planted. By following this out it is easy planting clear to the end. Then, after enough space is finished, a man goes over the ground with a hand cultivator.

If any of your plants have been growing in flats or in soil on the benches great care should be taken in getting them out so as to preserve the roots and leave as much of the soil around them as you can. Take a table knife, cutting the soil of each plant out in squares, then give it a squeeze so that it will stick together and form a ball. Be sure that not any of the plants are set out if they are at all dry. Also, clean any weeds out of the soil of the young plants before planting them, otherwise you will have heaps of trouble later on.

C. W. JOHNSON.

British Trade Topics.

With the arrival of genial spring-like weather, trade generally has shown a decided improvement in all branches. A popular spring exhibition arranged by the National Auricula and Primula Society attracted a large gathering to the headquarters of the Royal Horticultural Society on Tuesday. The varied display was an object lesson of the high standard which has been reached amongst the trade in the culture of these attractive spring flowers. The comprehensive assortment of primroses received considerable attention from the visitors. The selection of the day was appropriate for it was the twenty-third anniversary of the death of Lord Beaconsfield, in whose memory primroses are worn by a large section of the public on April 19. Around the deceased statesman's statue near the former scene of his political achievements wreaths and bouquets, chiefly composed of primroses, were placed, these having been sent from various parts of the country. This observance of Primrose day is not a custom of any great advantage to the regular traders. The market salesmen derive a slight benefit, but the bulk of the trade is done by the itinerant hawkers who make raids on the hedgerows and woodlands, to the annoyance of all true lovers of the rural delights of the picturesque country a few miles from the metropolis. In recent years the practice of wearing roses on St. George's day, which is observed on April 23, has come more generally into vogue, following the example of the Irish who honor their patron saint earlier in the year by wearing shamrocks. This pleasing custom has made it better for the rose growers, who have this week marketed large supplies in anticipation of the increased demand. One restaurant in the city supplies each of its customers with a rose button-hole in celebration of the historic day.

Londoners have now a fine display of spring blooms in the public parks and open squares. In Hyde park the brilliant array of hyacinths has been one of the sights of the season, while in Regent's park, which has a more rural aspect, the early blooms form a charming picture. These two parks furnish a splendid advertisement for Jas. Carter & Company, of High Holborn, London, who have supplied the seeds and bulbs.

The increased demand for expensive floral decorations is one of the features of high life in London. Harry Green, the manager of Robert Green, Ltd., high-class florists, stated some time ago that \$1,000 is quite an ordinary price for West End aristocrats to spend on the floral embellishment of their rooms on the night of a ball. This is a distinct advance from the modest adornment which was at one time thought sufficient. Table decoration has reached a fine art. Many baskets and stands are arranged in the shape of swans and butterflies and made beautiful by the skillful arrangement of choice flowers. Fifty pounds is frequently spent on a table decoration by rich leaders of fashion. Just now the court is in mourning owing to the death of the Duke of Cambridge, and this has made a difference in the number of social functions being held. The wedding of the Duke of Norfolk, our premier duke and one of the leading Roman Catholic laymen, was a great help to the trade. Some good orders were placed amongst the West End florists. The bride's bouquet was composed entirely of rare white orchids, *Odontoglossum crispum*, celo-



CARNATION STAR OF BETHLEHEM.

gyne and O. Pescatorei, with sprays of the daintiest light hued asparagus foliage, finished off with bows and ends of soft white satin ribbon.

One of the most successful raisers of lilies of the valley in this country is Wm. Iceton, of Granard Nursery, Putney, near London. By his up-to-date methods, Mr. Iceton is able to dispose of lily of the valley cut blooms all the year round. Six large houses are entirely devoted to them. The crowns are imported in large quantities from Germany in October, November and December, and three parts of the consignment are put in a refrigerator and the remainder are "laid in" in the open ground until required. The retarded crowns are used largely after May. There is always a big demand for lily of the valley at Easter, Christmas and for the chief festivals in connection with the church. The retarding of these popular flowers is also a special feature of the well known establishment of T. Rochford & Sons, Turnford Hall, Hertfordshire. Eight large houses are devoted to lilies of the valley, about six million being flowered annually. During the winter months the crowns are brought in from outside, placed in a hothed in plunging material and kept dark by means of wooden shutters. As soon as the spikes are sufficiently developed and the leaves formed, the shutters are at first tilted gradually until taken off altogether, so as to develop the flowers in full daylight.

Chicago.

Nothing of an encouraging nature may be said of the condition of the local market this week. The most activity is found in the shipping, and all wholesalers report an average spring business in this department. The orders are coming in rather spasmodically, but enough each day to keep the stock fairly well cleaned up. The retail trade remains on the ragged edge; some days active, followed again by a period of depression. The Decoration day season and June wedding time promise to instill the much wanted vigor into the business. Carnations experienced another slight fall in prices this week, and good flowers are to be seen selling at a cent and a half. While the receipts are large the country demands manage to hold them down. Rose stock is of splendid quality, but the cheaper grades must be pushed and slashed to move them. Sweet peas had an unusual run of favor this week, there being one day when every sweet pea within call was cleaned off the counters. Ferns continue a scarce article, and are selling all the way from \$3 to \$5 per 1,000.

The building season is now well under way, and contractors and builders have all they can do to keep up with orders. A. Dietsch & Company have a number of important contracts for new greenhouses and additions. These include the material for the additions and new houses being erected by Peter Reinberg; Matson & Kron, of West Foster avenue, large house, 30x265 feet; Miller Brothers, Toledo, O., eight short-roof houses, each 260 feet long; Cannon Floral & Seed Company, Lafayette, Col., five short-roof houses, each 105 feet long; Nic Zweifel, Milwaukee, Wis., two houses, 16x78, equipped with iron gutters; C. Moelius, Toledo, O., one house, 36x150 feet; J. F. Ammann, Edwardsville, Ill., a 44-foot addition to a short-roof house, 165 feet long; South Bend Floral Company, South Bend, Ind., house, 200 feet



CARNATION JOHN E. HAINES.

long; George Reinberg, Chicago, new range of eleven houses, each 264 feet long; J. A. Budlong, Chicago, four houses, each 300 feet long; Williams & Sons Company, Batavia, Ill., four houses, 152 feet long. Many of the houses will be equipped with Dietsch's patent U-shaped gutter. The company has also a large number of contracts for material, etc., from the eastern states for additions to short-roof houses.

A number of changes are noted on the floor of the Flower Growers' market. Michael Winandy has removed his stand across the street to the second floor of the Atlas block, and the floor space vacated by him has been taken by Miss N. C. Moore, of Batavia.

Heller Brothers, of New Castle, have let the contract for two additional houses, 50x265 feet each. When this addition is completed they will have more than six acres under glass, devoted almost exclusively to the culture of roses.

Southern outdoor flowers are appearing in the local market in large quantities. E. F. Winterson Company is getting many high-class jonquils and they are fast sellers.

A number of the florists in the Atlas block are renovating and improving their places of business. A large, new ice-box was this week installed in J. A. Budlong's place.

Members of the Florists' Club should remember that the next meeting will be held Thursday evening, May 12, not Wednesday evening, as heretofore.

Alexander Newett has so far recovered from his recent attack of lumbago as to be able to resume his duties at Deamud's.

E. C. Amling handled a good specialty in sweet peas this week, and they required no "drumming" to sell.

Peter Reinberg reports a fine rose plant trade, the demands for bushes from benches being very heavy.

J. B. Deamud is receiving large quantities of fancy ferns, which he is selling at \$3 per 1,000.

Sunday was May day, but the event did not cause much of a stir on the market.

A visitor this week was E. G. Hill, of Richmond, Ind.

New York.

The quality of flowers at the present time is superb. Roses of all kinds can be had at your own price. Bulb stock is very fruitful. White tulips are more abundant now than at any time this season. Golden Spine and Emperor are selling for less than what the bulbs cost. Lilacs from the south have arrived and bring a fair price. Sweet peas are of very good quality and sell readily. Fancy ferns are scarce at the present time, as also is green galax. Pansies are very salable articles, the street peddler bunching them flat with galax around them.

The annual meeting of the stockholders of the Cut Flower Exchange, which is being held to-day, is an event looked forward to by everybody connected with the Exchange. Five new directors are to be voted for, and a president will be elected by the new board of directors. Wm. Amos, the president, has made a record for himself the last year, and it is to be hoped that the incoming board will re-elect him.

John N. May, who returned to Summit last week after a sojourn in the south, is greatly improved in health, and excepting considerable trouble in walking appears better than he has for several years. During the five months of his absence he has been unable to attend to anything connected with his business, and his anticipated resumption of the responsibilities of his large place will be hailed with sincere pleasure by his many business associates and friends.

The estate of the late George Kruse, Ocean avenue, Jersey City, has been awarded damages against the local gas company for injury to plants from escaping gas.

Roberts & Grunewald of Columbus avenue had a fire on April 30, caused by a defective electric wire. Mr. Roberts put it out with little difficulty.

George Golsner and Wm. Amos are bringing to the market fine crested moss roses.

The sympathy of the craft is with Abe Meckelburg in the recent loss of his father.

Wm. H. Siebrecht of Astoria has some very fine double white lilacs.

The eastern office of the AMERICAN FLORIST is now at 42 W. Twenty-eighth street. P. J. K.

Philadelphia.

Spring seems to have arrived at last and while the pleasant weather has improved things in one direction, it has injured trade in another, as people are fast getting out of town to their country places and shutters are going up all over the fashionable residence districts. With the exception of weddings and trade or society decorations there is not much doing. Roses are a trifle lower, good Beauties going from \$1 to \$1.50 per dozen. Other roses are also a shade lower. Liberty is now at its very best, the spring growth coming exceptionally fine. Much of the stock is equal to the Brunner in size and color, if anything a richer shade. Carnations are still in good shape with prices half to a cent lower than prices of two weeks ago. Sweet peas are plentiful and good stock meets with ready sale. Lilac from the south is now in and sells rapidly. It is being sent to the produce commission merchants on the wharf and is quickly grabbed up by the street men. Bedding plants are moving lively; there is a good demand for pot roses but it is hard to get them in flower as they are picked out as soon as they show color and do not get a chance to open.

The May meeting of the Florists' Club was all right both in point of attendance and interest. Jos. Heacock's paper "Is the American Beauty a Back Number?" was well handled. He showed his faith in this grand variety, which he declared still had a great future, although the

last winter, the low prices prevailing, which he could not account for, had left the grower little if any margin of profit. Leo Niessen did not appear to tell about the grading of cut flowers, which will therefore have to go on as before. The question of sending a bowling team to represent the club at St. Louis was, Chairman Westcott said, the knotty problem and Robert Kift tried to straighten the matter out. It developed in the discussion, which was general, that there was much opposition to the course pursued the last two years of offering railroad tickets as a prize to those who made the team. It was finally decided that as strong a team as possible would be selected in a manner much similar to other seasons, but with the prize clause stricken out. There was a good representation of the younger members present the "triple leader" being apparently a drawing card. Deacon Harris, in his anxiety to get the bowling matter straight, became all tangled up with his eyes and noses but was finally landed on his feet by John Burton.

Robert Craig & Son have a fine lot of Ramblers just coming into flower. They are exceptionally choice stock. This firm has also a house of longiflorums which are now at their best and much in demand for wedding decorations.

At the Growers' market Manager Meehan says things are moving satisfactorily. He would like to see prices better but as so many hold the same view he does not worry but just keeps the stock moving.

Ed. Reid says he has all he wants to do between daybreak and sundown and thinks the flower business is great for a willing man, as the other kind could not stand the pace.

Charlie Cox is sending in some nice *Centaurea imperialis* to S. S. Pennock. He has three houses just coming in and will soon have it in quantity.

The H. A. Dreer Company has a great stock of *Ampelopsis Veitchi* which is still in good demand.

Leo Niessen is very strong on Beauty roses at present. His Liberty roses are also top notchers.

Eugene Bernheimer is getting in some choice sweet peas in great variety of color. K.

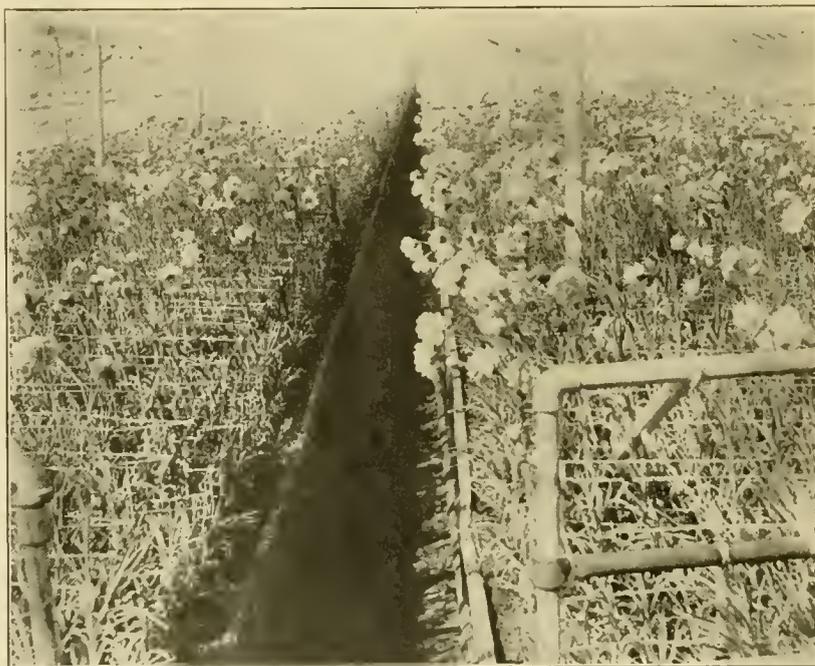
Boston.

The cut flower trade is characterized by extreme lassitude at the present time. The weather is favorable to overproduction and the stock coming into market every morning is far ahead of the facilities for its consumption. All lines are overstocked but roses and carnations have sustained the most serious set-back in values. A novelty in several of the retail windows is fruited strawberries in pots. They are well done and handsome and if it were only a month earlier they would create a sensation.

Emil Johansen, gardener to J. E. Rothwell, showed two handsome plants of *Odontoglossum Pescatorei* at the Gardeners' and Florists' Club meeting, Wednesday evening, April 20. A vase of *Carnation Cardinal* was also staged by the Chicago Carnation Company.

Welch Brothers are receiving from Carl Jurgens, of Newport, American Beauty roses of unusual perfection of bud and foliage, being the first crop from the houses that have been kept cold all winter for the purpose of cutting.

The firm of J. R. Newman & Sons has been incorporated under the laws of the state of Massachusetts as the J. R.



QUEEN LOUISE CARNATIONS AT A. N. PIERSON'S, CROMWELL, CONN.

Newman & Sons Corporation. A. H. Newman is president, J. R. Newman, treasurer, and J. R. Newman, Jr., clerk. Hyacinths to the number of about 50,000 are in full bloom in the Public Garden and tulips are opening fast. They are late this year but will probably be better in consequence.

The will of the late John Chaffin, of Newton, gives the sum of \$1,000, the income of which is to be devoted to special prizes for hardy roses.

Raymond Allen Dunnell, grandchild of William J. Stewart, died on Monday, May 2.

Visitors: George C. Watson, Philadelphia, Pa., J. Horace McFarland, Harrisburg, Pa., Charles Fleming, Bridgeport, Conn., John Scott, Brooklyn, N. Y., J. McHutchison, New York.

St. Louis.

Business in cut flower lines opened up this week with a brighter aspect, but now things are quiet with plenty of stock of all kinds at the wholesale houses and no buyers. This is largely due to the effects of the warm weather, resulting with the grower in an increase in output and with the retailer in a desire not to put in more stock than need be, but rather wait for a slump in prices, which is bound to follow if not there now. The only lines that seem to have the call are white roses and Lawson carnations. This may be said to be a carnation city. We think that the uncertain supply of roses in this market, due mainly to the fact that we have no large rose growers near here, is the principal cause of the popularity of the divine flower. A frequent cause of comment among the trade is the dying out of the call for the double violet. The last season has been no exception in this regard. For some years past the California Giant has reigned supreme, and we can safely say that our output in this flower is away up both in quality and quantity. Greens continue to be scarce. This appears to be general just now, judging from letters received from many of our specialists along these lines. Prices can hardly be said to be firm and they have a wider range than we have noticed for some time.

The carnation exhibition last Monday, May 2, from the standpoint of numbers would hardly be called a success. Our local carnation specialist, John Steidle, staged five vases of creditable cut blooms, fifty each of Estelle, Wolcott, Prosperity, Enchantress and Harlowarden. The Chicago Carnation Company was the only other exhibitor showing an extensive collection of novelties and seedlings. We fear the exhibition was not sufficiently advertised. The next exhibition is to be of tender roses, May 21-25 inclusive. Entries must be received not later than May 18. The classes provided for are as follows:

- Class 1—Vase twenty-five blooms, Bride.
 " 2— " " " Bridesmaid.
 " 3— " " " Wootton.
 " 4— " " " Meteor.
 " 5— " " " Golden Gate.
 " 6— " " " Liberty.
 " 7— " " " Kaiserin.
 " 8— " " " Am. Beauty.
 " 9— " " " Mme. Testout.
 " 10— " " " Dorothea.
 " 11— " " " Perle d'Jardin.
 " 12— " " " La France.
 " 13—Exhibition varieties introduced in 1900 and 1901.
 " 14—General display teas and hybrid varieties.
 " 15— " " Noisette and tender climbing varieties.

At last there has come to St. Louis settled weather. We have had one of the worst and latest springs on record and all lines have suffered in consequence.

The unsettled conditions have interfered with much spring planting, particularly with trees and shrubs, and from reports much anticipated planting has been abandoned, for it is now too late. Our florists are all expecting to clean up pretty well this spring for there will be an unusual demand for bedding plants to beautify our World's Fair city homes.

The Missouri Botanical Garden has just received in fine condition from Sander, England, a large consignment of orchids, said to be valued at \$1,000 and consisting of 180 different species. This, together with the 100 different kinds of orchids and bromeliads sent recently by Dr. Trelase from Mexico, makes the collection the second largest in the United States. It now includes over 1,000 different species of orchids. The garden has an agave in bloom.

Weather conditions have interfered somewhat with work at the World's Fair and the planting has been much delayed. However, the weather is ideal just now for all outside work, and it is being pushed to the limit. Too much cannot be said in praise of the gentlemen who have charge of the grounds and exhibits. What they have already accomplished is immense, and what they still have to do would frighten most ordinary men.

The next meeting of the Florists' Club is May 12. The club is growing both in interest and membership. All the world is looking at St. Louis just now and we want a club that we can feel proud of. We are looking forward to a large attendance and another one of our usual interesting meetings. There will be a discussion led by F. J. Ammann on "Replanting Roses." Also one on "Violet Growing" led by F. W. Ude, Jr.

The death of our fellow craftsman, John Young, president of one of the oldest firms in the city, has caused general mourning. Mr. Young died very suddenly, almost without warning, April 29. His picture and obituary appear on another page.

Would-be thieves broke into J. J. Beneke's store last Tuesday morning, but were frightened away before anything was taken. The plate glass door was entirely demolished. The damage is covered by insurance.

Among the carnation men planting in the field is well under way, and so far as can be seen the few thousand that were planted just before our last cold snap and unexpected snow are not much the worse for their experience. D.

Baltimore.

Trade last week brightened up markedly. There was the usual succession of weddings anticipating the coming of the reported ill-luck of May, which month, however, is said latterly to be losing its horrors. The beginning of the commencement season is here, and there were many calls for bunches of flowers more or less expensive for the new-fledged dentists and doctors given their degrees and diplomas by the numerous schools for which this city has been celebrated. To-day (May 2) was the date for the newly appointed magistrate, boards of police commissioners, liquor license commissioners, election supervisors, and other public officials to take their seats, and the occasion of their installation was availed of by their friends to express their congratulations by gifts of flowers, abundant in quantity and in some cases handsome in quality, some of the board and court rooms being transformed,

according to the daily papers, into "bowers of flowers." There was simultaneously a considerable demand for flowers for funerals, so that for one day at least the calls were in excess of the supply and their was active skirmishing to secure all the material needed. Good roses were scarce and white carnations especially so. The distribution of this business was general and everybody, practically, had his share. Other commencements will follow along with their customary requirements, and then the June weddings will figure on the programme until the advent of mid-summer dullness.

Jas. H. Brummel has at last recovered enough from his injuries to return to his long accustomed stand in the Lexington market, where he serves as an encyclopedia for reference by all classes and conditions of men and women who want to know about the treatment in health, and cure in disease, of their garden and house plants; solves problems as to botanical nomenclature, and acts as general adviser to the public at large, and all with a courtesy and patience, as well as with a knowledge and experience which is seldom encountered. The Electric Railway company, by whose car he was so badly crippled, has declined to make any adequate compensation for the damages inflicted, and Mr. Brummel has entered suit against it.

We have fine spring weather at last—the air fresh and inspiring, the temperature warm, and the sky of the brightest blue, though the nights continue cool. On Sunday there was a wind storm accompanied by hail, which, however, did no great damage. Out-door work is proceeding rapidly; carnations are being planted and gardens shaped up, but the season is still behindhand, and the sellers of plants in the markets complain that the gardening fever has not reached its point of warmest intensity, and buyers are not as enthusiastic as might be wished.

There died this week Mrs. Sarah Feast, widow (second wife) of Samuel Feast, an old-time gardener, one of the pioneers and long in business in Baltimore and its vicinity, and remembered as the originator of a group of hardy roses, Queen of the Prairies, Baltimore Belle, etc., of some exceptionally good camellias and of a cactus said to be one of the largest flowered in cultivation—Cereus Feastii.

John Cook was attacked by vertigo several days ago and has since been confined to his bed, though on the way to recovery. S. B.

Washington, D. C.

In the course of human events nearly everybody is inclined at some time to knock on existing conditions. When Washingtonians have nothing better to do they knock on the congressmen because they are not doing more for the District of Columbia. All this happens while congress is in session, but when the statesmen "fold their tents and silently steal away," then it happens that a lonesome feeling settles down on the city, even to the florists' stores, and the sound of the knocking is low, and there are mourners who mourn for the days—that are dead—of American Beauty roses at \$15 to \$18 a dozen. A number of the senators and representatives are lavish entertainers and are liberal patrons of the decorator, and then there are a number of young and handsome men in congress, who, directly or indirectly

are supposed to influence the market for expensive and "letching" bouquets. This is a prelude to the statement that prices have about gone to pieces. American Beauties can be had for most any old price. One retailer says he is getting \$10 per dozen, but it must be from a customer who never buys at any other store, for plenty of good ones are selling at \$5 per dozen. Other roses and carnations share in the general break up, and yet a great amount of stock is being sold and it is probable that some dealers are making as much money now as they were in the days of high prices, but they have to hustle to do it. There is a lot of people who will not buy roses or carnations while they can get a quarter section of a plum, cherry or some other kind of flowering tree for a little money.

I am satisfied that a host of the readers of the AMERICAN FLORIST will agree with me when I say that I am delighted with the news that there is a silver lining to the cloud that has overshadowed the genial Edwin Lonsdale. Let us speak of his good deeds now while it may give him some satisfaction. His writings have been, to me, interesting and instructive, and I think him worthy of a high place among the florists of the nation. He deserves all the honors Philadelphia may bestow upon him.

Mr. and Mrs. J. Louis Loose will start about June 1 on an extended European tour. While abroad Mr. Loose will visit the most noted growers and may be expected to return with some new ideas, if there are any to be found over there. He tells me that he intends to visit near Lyons, France, the home of the new red rose, Etoile de France, and investigate its merits. This rose, a cross between Chatenay and Fisher Holmes, is being highly praised.

Otto Bauer has established a reputation for unique displays of jardinières, baskets and fern dishes. His latest is a lot of jardinières of Indian pottery in different sizes. There can be no doubt about its genuineness for the idol that came with the lot is as ugly as any Indian idol one ever saw.

William Arnold, for several years foreman at Loose's Alexandria, Va., range, has resigned the position. Fred Hill, for the past year in charge of the palm section, is his successor.

Alex. B. Garden is erecting a nice dwelling house on his place for the use of his foreman. S. E.

Cincinnati.

The different stores along Fourth street are taking advantage of the cheap prices of cut flowers, and to decorate their windows some beautiful effects are made with carnations, sweet peas, daffodils, Harrisii lilies, etc. Hardesty & Company had a fine showing of Crimson Rambler roses and hydrangeas in pots, which attracted considerable attention. The Rosebank Company showed an elegant line of sweet peas. Julius Baer had Harrisii lilies and daffodils, and the R. A. Kelly Company violets, forget-me-nots in the center, with Adiantum cuneatum and lycopodiums in pots, which made a very rich looking display.

Trade holds up pretty well, and there is a nice lot of flowers for all orders. Ferns and other green goods are more plentiful, and if you don't see what you want in the wholesale houses, all you have to do is ask for it, and if it is in season the wholesale man will get it for you. Bedding out has started, and all those who handle this line of plants have their

hands full of orders and more coming in. The regular monthly meeting of the Cincinnati Florists' Society will be held May 14 at the club rooms in the Jabez Elliott Flower Market. The nomination of officers for the ensuing year and other important business is to be transacted.

The Avenue Floral Company, of New Orleans, La., is sending exceptionally fine blooms of Liliun longiflorum to this market. Considering the distance, they came through in good shape and sell readily on arrival.

R. A. Betz has finished a wire design of an elk about ten feet high, which will be planted with small plants and placed in one of the parks during the Elks' convention the coming summer. A. O.

Pittsburg.

Business continues to remain in a drabby condition. The weather conditions are greatly improved and outdoor planting has begun in earnest. Flower market condition are about the same as last week. Roses of all kinds are plentiful and of good values. Carnations keep moving, as do lilies; lots of callas are to be had but they move slowly. Sweet peas, lily of the valley, gardenias, irises, pansies, snapdragon and mignonette seem to be at their best. Greens are plentiful.

On Wednesday, May 4, Randolph & McClements elaborately decorated the banquet room and tables for a dinner given to Bishop Phelan, who is celebrating his golden jubilee. They also decorated the Carnegie music hall for the reception tendered to the bishop on the same evening.

The death of Councilman Reed occasioned the sending of a great number of funeral designs. Among the number was a large basket of American Beauty roses made by Ulam & Company and sent by the city.

The regular monthly meeting of the Pittsburg and Allegheny Florists' and Gardeners' Club was held May 3. Bedding plants were discussed and some specimens were exhibited.

Mr. and Mrs. Wm. Hall have the sympathy of the craft in the loss of their little four-year-old son, who died of scarlet fever last Thursday.

During the week the stork visited the homes of Fred Burki and Frank Faulk and in both cases left a girl baby.

Blind Brothers report their bedding stock to be in finer condition than ever before.

Theo. Beckert's new crop of Spanish iris is almost ready to cut. E. L. M.

Indianapolis.

While there is lots of improving and repairing planned for this summer, seemingly very little new glass will be added to our establishments. Philip Conway probably will lead with a rose house requiring 10,000 feet of glass. He will also add a new boiler to his heating apparatus. The boiler will be on top of the ground and an automatic pump will return the condensation.

It appears that the Indianapolis Flower and Plant Company has expended comparatively less for coal than any other place in this city. The trick was done with a very large boiler, plenty of draft, a good grade of Virginia coal and hot water system.

No more internal furnace boiler for Smith & Young Company, the one they put up a few years ago having gone beyond repair. They are convinced that

this type of boiler compares very unfavorably in all respects with the old style of tubulars.

The State Florists' Association held its May meeting with a fair number of members present. Several interesting articles from the trade papers were read and discussed. Herman D. Schilling was elected a member.

Martin Nelson is doing nicely in his new place in Mapleton. Encouraged by his success he is planning an addition to his glass, installation of a new water works and other improvements.

Martin Brandlein will henceforth have to forego the pleasure of personally inspecting his boiler internally, as he has outgrown the dimensions of the manhole.

Recent visitors were H. M. Altick, of Dayton, O., and T. F. Keller, Providence, R. I.

A fine baby girl has made its appearance in Irwin Bertermann's home. H. J.

Milwaukee.

The bright days of the last week have hastened on all stock, and the receipts in consequence are very heavy. Demand is also very good, so that the market is in fair shape. Roses are good, some particularly fine Liberties being noted. The only scarce articles on the market at present are smilax and common ferns, but within a week there will be plenty of both. Violets are still with us, and in fair shape considering the date. Harrisii and calla lilies can be had in large quantities at very reasonable prices.

There were many flowers at the opening of the common council. Some very fine baskets were noted and any number of long-stemmed American Beauty. One alderman received a large eagle made of carnations and galax. It is estimated that \$1,500 worth of flowers were sent. Edlesfen, Chacona and Kapsalis, Lambros & Company had the bulk of the orders.

At Mitchell park flowers of every hue are in bloom. It is expected that in a week or two, weather permitting, the work of completing the lily ponds in the newly acquired section on South Pierce street will be begun.

The Milwaukee Florists' Club held its regular monthly meeting last Tuesday, prices of spring bedding stock being the main subject of discussion.

Herman Hunkel is doing some extra hustling on account of a new addition to his family—a boy.

A. Billings, of Cudahy, will tear down and rebuild his greenhouses during the coming summer.

Alex. Klokner, of Wauwatosa, is adding a ten-acre nursery to his greenhouses.

Herman Staeps, Elm Grove, will erect two rose houses at once.

Visitors: T. Hinchliffe and J. Bourgaize, Racine; C. B. Tremain, Hartford, Wis. II.

Detroit.

The continuation of very cold and unseasonable weather has had the effect of seriously hindering outside work and very little planting has yet been done, whereas a year ago every carnation grower of this vicinity had his entire stock planted out. Trade conditions since Easter have been devoid of any unusual features and the absence of animation noted in retail circles is considered due to the unfavorable weather prevailing, yet no surplus of cut flowers has accumulated and at times there has been

a scarcity of carnations. Violets are yet fine and many are sold. Some helated lots of Easter lilies are now in and are used chiefly for funeral work.

The Florists' Club meeting of Wednesday evening, April 20, did not bring out the usual good attendance, but the "regulars" were there and the time was devoted to the reading of extracts of importance from horticultural papers and the discussion of the same. Herman Thiemann, of Owosso, Mich., was present and gave an interesting address on dahlias, of which he is a large grower.

J. F. McHugh has opened a floral department in the Strand grocery store, 315 Woodward avenue. He still retains his store at 118 Michigan avenue.

Mr. and Mrs. Philip Breitmeyer are visiting in Philadelphia this week.

Visitors: H. Van Teijlingen, Hillegom, Holland; H. Thiemann, Owosso, Mich.; F. H. Henry, New York; C. S. Ford, Philadelphia. J. F. S.

Newport, R. I.

At last it is warm. We have jumped right into growing weather. The week started with a very severe rain storm which did considerable damage to shrubbery and newly sown lawns. Everybody is now very busy and the seed stores are rushed day and night, but it will be a very short season this year as certainly four good weeks have been lost through the lateness of the spring. It seems strange that purchasers of seeds always wait until the day, and almost the hour, they wish to use them, but such is the case and the seedsmen are driven hard. Bedding plants are just beginning to sell, and as in former years geraniums are most in demand. It seems as if coleus were less and less used here; in other bedding plants the call runs about the same from one season to another.

Fadden decorated Trinity church on Thursday for the Grant-White wedding. Palms and other specimen plants were grouped in the chancel. On the communion table were vases of white roses and the altar rails were entwined with Asparagus plumosus and Bride roses. The color scheme in the church was white and green, which harmonized beautifully with the pure white interior of old Trinity. The bride carried a bouquet of Bride roses tied with white satin ribbon. The maid of honor had a shower bouquet of Daybreak carnations with pale pink ribbons. For the reception Fadden had everything yellow and white. Mr. and Mrs. White stood in an alcove banked with palms, hyacinths, carnations and roses. In all the rooms throughout the house were vases of yellow daffodils, white hyacinths and white roses. Large baskets of yellow narcissus and Bride roses were also on the breakfast table. Outdoors a great number of palms and bays were grouped with good effect.

Mrs. Herman Oelrichs is having a beautiful marble fountain with bronze figures erected at Rose Cliff, her summer place on Bellevue avenue. J. M. Hodgson, who is doing the grading and planting will make four beds around the fountain, two formal oblong ones of box and the others round ones of hardy rhododendrons and hydrangeas intermingled with lilies.

In the severe wind and rain storm we had this week many newly planted evergreens were blown down and uprooted. Some cedars a year planted did not escape. It is always safe to wire trees securely for at least two years, as it takes time for such stock to become firmly rooted.

Men are engaged in the construction of a mile and a half of sewer and drain from Oakland Farm to the ocean for Alred G. Vanderbilt. Some of the work is being rushed along under difficulties to secure its completion in time to permit the planting of crops on some of the land drained.

The progress committee which has been organized to boom Newport as summer resort will advertise in the better class of magazines a pamphlet describing this city and its many attractions. These books will also be distributed to interested persons at the St. Louis Fair.

Charles Beasley has been engaged by William Butler, the manager for Reginald C. Vanderbilt, to take charge of the flower and vegetable gardens at Sandy Point Farm. At present there is no glass at Mr. Vanderbilt's, but this fall greenhouses will be erected.

The George A. Weaver Company has just received from P. J. Looymans & Sons, Oudenbosch, Holland, some rare shrubs and trees. This shipment includes aralias, catalpas, evergreen oaks and many other good things.

William B. Scott & Company are having built two delivery wagons, which they will use just as soon as their new seed store is completed, about the middle of June.

H. L. DeBlois reports the seed business as quiet for the season. He is offering this week a nice line of hardy roses. Vegetable plants are moving slowly he says.

The Rhode Island Nurseries report an especially good trade, in fact more some days than they can well attend to; everybody wants large stock for immediate effect.

The park commission held its regular monthly meeting on Tuesday. Chairman Shepley presided. Plans were made for the spring work.

William Jurgens is cutting some very fine narcissi of several varieties, his Emperor and Empress being especially good.

H. D. Auchincloss is having erected at Hammersmith Farm two greenhouses by Hitchings & Company, of New York.

Visitors: James McHutchison, representing McHutchison & Company, New York; S. D. Clapp, representing Leggett & Brother, New York; G. Kronwel, for C. J. Speelman & Sons, Sassenheim, Holland; A. L. Barnett, for Reed & Keller, New York, and George H. Milton for the Homogansett Floral Company, Wickford, R. I. X.

Columbus, O.

Stock in general is scarce in this locality, which is largely owing to the fact that considerable out-of-doors hulbous stock has been ruined by excessive cold, wind and rain. A limited amount of good stock grown under glass is still to be found with a few of our growers. Cut flower work marked the last week as a busy one, and from now on all those growing bedding stock will have all they can do. The Columbus public is very much interested in the Florists' Club just organized, and predict that the organizing of such a body of honest toilers will benefit our city in many ways.

The Columbus Florists' Club was organized April 28 at a meeting at the residence of E. C. Underwood, Twenty-first street and Fair avenue. It is composed of florists and their assistants, and is designed to bring them closer together. The club started with a membership of sixty-two. The officers selected are:

President, Sherman Stevens; vice president, R. A. Currie; treasurer, Gustav Drobisch; secretary, E. C. Underwood; sergeant-at-arms, John Dreher.

CARL.

Joliet, Ill.

The Chicago Carnation Company is offering, through the Joliet papers, \$100 reward for information leading to the arrest and conviction of the man who broke into its greenhouse of Fiancee carnations at 2 a. m. Saturday, April 23. We are informed that the night man saw the burglar coming out of the opening which he had made in the glass with a glass cutter, with an armful of plants, most of which he dropped in his haste to escape. He had evidently seen the night man approaching, but got away. It will go hard with him if caught, as it is not the first time this firm has had new carnations stolen.

BATAVIA, N. Y.—John Pickert has taken the contract for the erection of a house and greenhouse on land at the corner of South Main and River streets, recently purchased by Louis Stroh, of Attica.

OBITUARY.

William U. Kimberle.

William U. Kimberle, of Broad street, Newark, N. J., died Sunday, April 24, after a brief illness of Bright's disease. The business of Mr. Kimberle is the oldest in Newark of its kind, having been established by his father, the late John U. Kimberle, over forty years ago. Since the death of J. U. Kimberle, five years ago, his son had managed the business. His age was 39 years. He is survived by his mother and one sister.

John Young.

John Young, president of the firm of C. Young & Sons, of St. Louis, Mo., died suddenly, April 29, of heart failure. Mr. Young was born in London, England, in 1849. He was the eldest son of C. Young, who founded the floral concern which still bears his name about forty years ago. The deceased came to America in 1874, settling in St. Louis, where he became associated in business with his father and four brothers. Five years later the elder member of the firm retired from active business, since which time the deceased had acted in the capacity of president of the concern. In 1881 he was married to Miss Minnie Schollmeyer, of St. Louis, who, with four children—Mrs. David Millar, of Chicago, Misses Edna and Helen Young and Elmer Young, of St. Louis—survive him. Besides the members of his immediate family, Mr. Young is survived by four brothers—James, Harry, William and Charles J. Young, all of St. Louis. Mr. Young's death was entirely unexpected, and was due primarily to heart disease. On Friday evening he attended the Olympic theater, and shortly before the curtain fell on the last act was taken suddenly ill. Medical attention was hastily summoned and Mr. Young was conveyed to his home, where death occurred. Funeral services were held May 1, followed by interment at Bellefontaine cemetery. Many handsome floral designs were contributed by the numerous friends of the deceased, trade and otherwise. See portrait page 622.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

The eastern office of the American
Florist is now at 42 W. Twenty-eighth
street, New York.

We are in receipt of some fine samples
of mayflower (*Epigaea repens*) blooms
from C. W. Sibley, of Athol, Mass.

RUSH planting now. All vegetation
retarded by the cold spring and frozen
ground is ready to burst into life under
the influence of a few warm days.

As we go to press Smith's Chrysanthemum
Manual comes to hand, full of practical
information for the chrysanthemum
grower. An extended notice of this pub-
lication will appear later.

MYRSIPHYLLUM ASPARAGOIDES MYRTI-
FOLIUM. Meyer Brothers, of Hanover,
are sending out a new seedling smilax
under the above name. The leaves are
said to be much smaller than those of
the type—much like the myrtle, in fact.
It has a lighter appearance and is as
graceful as the older form, tending to
branch more. The cut strings are said
to be much more lasting than the com-
mon variety, keeping in water ten to
twelve days.

Compost Flower Pot Machine.

B. Remmers & Sons, of Philadelphia,
Pa., have invented a machine for making
flower pots of common garden soil and
cow manure. Seedlings and cuttings are
started in these pots, which, with the
plants, are put directly into the ground
at planting time. In this way the soil
around the plants is not disturbed.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Thomas Devoy & Son, Poughkeepsie,
N. Y., submit for registration a zonal geranium,
Telegraph. A seedling of 1900;
parentage, E. G. Hill x The Wonder.
Flowers single, 2½ to 3 inches in diame-
ter, deep orange-cerise, large and borne
in immense compact clusters, 5 to 6½
inches across. Foliage dark green, with
heavy zone. Habit very robust, height
two feet. A profuse-blooming bedder.
WM. J. STEWART, Sec'y.

Oncidium Varicosum.

ED. AM. FLORIST:—Referring to the
illustration of our house of oncidiums in
your issue of April 9, page 477, we wish
to call your attention to the batch of
our type of *Oncidium varicosum* in bloom.
The color being yellow does not readily
catch the eye, showing black in the pic-
ture. However, upon close examination

you will observe the great quantity of
bloom and you can easily imagine what
a magnificent spectacle the house pre-
sented at the time the photograph was
taken, November 30. We may mention
that previous to photographing the
house we had cut about 1,000 dozen
blooms, some of the spikes bearing
upward of 200 flowers each. This spe-
cies should prove useful commercially, as
it is a great success and extremely easy
to grow.

STANLEY, ASHTON & COMPANY.

The Edelweiss.

ED. AM. FLORIST:—In answer to A.
Lange, concerning edelweiss, I have
grown it for a number of years in our
rock garden. The plant appears to be a
biennial, at least it is so with me. It
grows one year, flowers the next, and
then dies. I raise a few plants from
seed each year, sowing the seed in 4-inch
pots, in a light sandy soil, in February,
placing the pots in a warm greenhouse
in a temperature of at least 60°. The
seedlings are transplanted as soon as
large enough to handle, and by the
middle of May, after properly hardening
off, are ready to be planted out in the
rock garden where we give them a
northern exposure. They usually flower
finely the second year and are well worth
growing, their star-like flowers being
very attractive. EDWARD J. CANNING.

Shading and Putty.

The following method of shading is
cheap, easily applied and effective: Bolted
whiting mixed with a very little boiled
oil and reduced with kerosene. Too
much oil will make it hard to remove,
while if too little is used it will wash off
with the rains.

Whiting costs much less than white
lead and a pound will make more shading
as it is bulkier. If properly mixed it is as
effective as white lead and it does not
have the bad effect of lime wash on paint
and putty. It can be applied with a
syringe or brush as desired.

This same bolted whiting should be
used for greenhouse putty. If whitelead
and oil are first mixed to the consistency
of common paint, then the whiting
added and worked in until the mass can
be handled, a putty will be made which
is perfect for greenhouse work. It will
be strong, hard and durable, but can be
removed from the bars when patching
without mutilating the wood. Common
commercial putty is made largely of fish
oil, cotton oil or other adulterants, and
marble dust, and is worthless for green-
house purposes.

In Reply to "Job."

So the erudite and long suffering "Job,"
in a recent issue of your New York con-
temporary, has been finding fault with
the way we use the English language.
Perhaps his ancestral ties arouse his
fervor. He ought really to show more
leniency towards the young and inex-
perienced. He belies his name, why not
have a little patience with an innocent
beginner?

The editorial "we" is sometimes ambi-
guous we must confess, but it sometimes
covers the case in fact, and might also
more truly fit that of "Job" than the
insignificant "I." Poor "Job" with his
many trials and anxieties is certainly
adding largely to his labor of love, if he
is going to endeavor to straighten out
the grammar of such a cosmopolitan lot
as we poor uneducated sons of Adam.

We are not all fitted by instinct, nation-
ality and education to shine as perfect
English scholars; nor is it the good for-
tune of many of us to "sit at the feet of
Gamaliel," and pick holes in the syntax
of all who would try to give the plain
unpolished facts to their fellow crafts-
men. Go on, dear "Job," with your
noble work. The next time our path
leads us to the New York end of the
Brooklyn bridge we will "sally down the
alley" to Rose and Duane streets, and
shake your hand. Be prepared for "we."
We were glad you enjoyed the jokes.
They were "rather beyond the pale of a
matter of fact journal," but we hope
metaphysically you were benefited by
them. TRAVELER.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 is entitled to a five-line WANT
ADV. (situations only) free, to be used at any
time during the year.

Situation Wanted—As foreman or manager on
a retail place; competent, and good references.
State wages. Address
W, care American Florist.

Situation Wanted—By experienced lady; good
designer and can keep books. Best of references.
Chicago preferred.

MRS. O. WILSON, 4737 Lake Ave., Chicago.

Situation Wanted—By grower of Beauty and
tea roses; at present has charge of 40,000 feet of
glass; strictly temperate; 11 years' experience.
Address
F L T, care American Florist.

Situation Wanted—As foreman to take entire
charge; a first-class grower of cut flowers and
plants, capable of managing a large plant; whole-
sale preferred. First-class references. Address
FLORIST, 815 Race St., Philadelphia.

Situation Wanted—By a first-class grower of
All roses, carnations, as foreman, wholesale or
retail; single; 16 years' experience. Good wages
expected. No place of less than 20,000 feet con-
sidered. Strictly temperate. Address
RELIABLE, care American Florist.

Situation Wanted—Expert rose grower is open
to engagement, where a foreman of the highest
qualifications is needed. Place of 75,000 or more
feet of glass wanted. His specialty is high grade
cut blooms. Address
SPECIALIST, care American Florist.

Help Wanted—Rose growers. Two fine posi-
tions open for reliable and competent men.
SOUTH PARK FLORAL CO., New Castle, Ind.

Help Wanted—At once, two single men for
private places near Chicago. No live stock to care
for. Apply at VAUGHAN'S SEED STORE, Chicago.

Help Wanted—A good grower for American
Beauty section. Also a good man for carnation
section. Inquire or address
EMIL BUETTNER, Park Ridge, Ill.

Help Wanted—Three or four men as helpers
for rose and carnation houses; must have experi-
ence. Address
J. M. GASSER CO., Rocky River, O.

Help Wanted—A florist at once on a small place
to grow carnations and general stock. State
wages, with room and board. Address
O. BAUMANN, 469 Water St., Manistee, Mich.

Help Wanted—An all-around florist; must be
sober and have good references; \$10.50 per week
to start with; more when ability shown.
W. W. STERTZINO, 7280 Old Manchester Road,
St. Louis, Mo.

Help Wanted—Foreman for a section of rose
houses, Chicago. Must be competent; married
man. Wages \$15.00 per week. Must answer in
person if considered. Address
151, care American Florist.

Help Wanted—Gentlemen with some experience
in the seed business to work on the road and in
busy season of the year to work in the house.
Steady employment and chance for advancement.
A Z, care American Florist.

Help Wanted—A first-class grower of carna-
tions, mums and general greenhouse stock.
Wages \$50.00 per month. Only a good grower
need apply. References required. Address
B X, care American Florist.

Help Wanted—An experienced nurseryman; must be active and show best of references. Give full particulars as to age, experience, salary expected, etc. Address

WESTERN, care American Florist.

Help Wanted—A good grower of roses, carnations and general stock. Single man preferred. To work under foreman. States wages and references.

WASHINGTON FLORAL CO.,
85 South Main St., Washington, Pa.

Help Wanted—At once, a young all-around greenhouse man; none but sober and steady man need apply; \$30 and good board to a man that takes interest in his work. Address

OTTO KLINGBIEL, Davenport, Iowa.

Help Wanted—At once (retail place) a good, sober, industrious, all-around florist, with experience in growing roses and carnations. References required. State wages with board and room, or without.

HUGO BUSCH, Jefferson City, Mo.

Help Wanted—Working foreman to take charge of about 35,000 square feet of glass where roses and carnations are grown for cut flowers; must be up-to-date grower. My place is ten miles out of Pittsburg, Pa. Please state wages expected, with board and washing; also state age and how soon you can come. Also want an assistant florist.

JOHN L. WYLAND, DeHaven, Pa.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references.

FRED J. KING, Ottawa, Ill.

For Sale—One 20 H. P. tubular boiler in prime condition. Address

C. L. VAN METER, Monticello, Iowa.

For Sale—Bargain. Glass, bars, pipe and heater from house; little used. Address

E. H. ALDERMAN, Middlefield, Mass.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.

JAS. RICHARDSON, London, O.

For Sale or Rent—Florists' establishment of 10,000 feet of glass. Heated by steam, everything complete and well stocked. With 2 acres or more of ground. Frame house. 6 miles from center of Philadelphia.

DAVID BEARN, Bala, Pa.

For Sale—An elegant greenhouse plant of 20 lots, 40,000 square feet of glass. Modern in every way, all new. A ready market; cannot supply the demand. In a thriving city in Colorado. Will sell reasonably if sold at once. Address

W. W., care American Florist.

For Sale—Twelve greenhouses with about 25,000 square feet of glass on 1½ acres of land, six of which were built last year. Heated with steam. Situated about 14 miles from Pittsburg, five minutes' walk from railroad station. Will sell cheap if sold at once. Address

FLORIST,
Box 84, Station A, Pittsburg, Pa.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address

SAMUEL J. BUNTING, Elmwood Ave.
and 58th St., Philadelphia, Pa.

For Rent—Well-established greenhouse; five houses, practically new, two boilers in good condition. Will also sell stock of roses and carnations. Dwellings and twelve acres of rich soil; three acres of peonies. A splendid opportunity for investors. Address

MRS. PETER ENGELLAND, Blue Island, Ill.

For Sale—Well established florist business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. For particulars address

FRANK M. PAINE, Traverse City, Mich.

FOR RENT OR SALE.

Modern greenhouse plant and dwelling, near Philadelphia. Built 1902. 4 houses 100x28 ft. 1 propagating house, 2 sheds, one running north to south, connecting all houses, one running east and west, protecting entire plant. Office in shed. Fine delivery wagon, covered wagon and carriage. Houses fully stocked with roses, carnations, ferns, palms, bedding plants, herbaceous plants, etc. 2 acres new ground. Will sell entire stock at sacrifice. Present owner retiring account of health.

JOS. T. SULLIVAN, 429 Walnut St., Philadelphia.

For Sale—A flower, seed and nursery business, in a city of 100,000 inhabitants; good location. Purchaser will have his money returned in short time out of a good trade of a 20 years' established business. Reason for selling, owner has another business and cannot attend to two. Address

J. SEULBERGER, 414 14th St., Oakland, Cal.

For Sale

CHICAGO
FLORIST'S
STORE

On south side in center of fashionable district. Business established in 1894. Nursery business in connection. Poor health reason for selling. Price very reasonable to cash buyer.

A X Y, care American Florist.

For Sale.

Retail Florist's Establishment.

Consisting of 10,000 sq. ft. of glass in connection with store. Located on one of Chicago's finest boulevard drives in the center of fine residence district; 20 years in present location; with 12 years' lease to run; profitable business; splendid opportunity for right parties.

Address No. 93,
care American Florist, Chicago.

FOREMAN WANTED

FOR 45,000 SQUARE FEET OF GLASS.

Must be first-class rose and American Beauty grower. Also carnations and lilies.

A B, care American Florist.

Wanted.

Position as foreman by up-to-date rose and carnation grower. Beauties a specialty. Open for engagement after May 15th. Address

Rose Grower, care American Florist.

FLORISTS' AMERICAN EXCHANGE

Pointer No. 24.

In a New Jersey City, For Sale—2,140 feet of glass in three houses. Also Hot-beds. Dwelling and Barn. Hot water heating, Jenning's pot benches, well piped, plenty tools, city water. Detailed description on application. Owner has two business enterprises and must dispose of one. This place is well fitted for a general local trade. The good will costs nothing, and is worth much.

Pointer No. 25.

Indiana—11,000 feet of glass nearly new; hot water. Good dwelling house and small barn, all in good condition; 1½ acres land. Population 4,000; two railroads. Will rent with privilege of buying. This place will bear inspection. Don't hesitate to ask questions.

Pointer No. 26.

20 Acres of Land—100 miles from Chicago, population 5,500. A good market. Will put in land as silent partner, and some cash in addition, if a reliable and experienced party can be secured. This opportunity is a good one. In all probability the increase in value of land will be considerable. Your careful investigation is solicited.

Wants a Job.

While it has not been our intention to conduct a labor bureau, we are making the acquaintance of some good men who are out of employment. We have the names of two now we should like to accommodate. If you know where a good man is needed, please write us.

Have You Any Pipe For Sale?

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,
care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt,
WHOLESALE
Cut Flowers
 "THE OLD RELIABLE."
 76 Wabash Ave.,CHICAGO.
Wholesale Flower Markets

MILWAUKEE, May 5.

Roses, Beauty, long per doz.	3.00@4.00
" " med.	1.50@ 2.00
" " short	4.00@ 8.00
" Bride, Bridesmaids	4.00@ 6.00
" Meteor, Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations	2.00@ 4.00
Smilax	18.00@20.00
Asparagus	35.00@50.00
Violets	1.00
Valley	2.00@ 3.00
Tulips	2.00@ 3.00
Daffodils	2.00@ 3.00
Callas	10.00
Harrisii	12.50

PITTSBURG May 5.

Roses, Beauty, specials	25.00@30.00
" " extras	15.00@20.00
" " No. 1	6.00@10.00
" " ordinary	3.00@ 5.00
" Bride, Bridesmaid	3.00@10.00
" Meteor	2.00@ 6.00
" Liberties	3.00@12.00
" Kaiserin	2.00@ 6.00
Ulrich Brunner	6.00@12.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	15.00@25.00
Asparagus, strings	30.00@50.00
Asparagus Sprengerii	2.00@ 3.00
Violets	.20@ .75
Lilies	3.00@ 8.00
Paper White	1.00@ 3.00
Tulips	1.00@ 3.00
Daffodils	1.00@ 3.00
Roman Hyacinths	2.00
Yellow Purple Iris	8.00
Candy Tuft	2.00

CINCINNATI, May 5.

Roses, Beauty	2.00@ 6.00
" Bride, Bridesmaid	3.00@ 6.00
" Liberty	4.00@ 8.00
" Meteor, Golden Gate	4.00@ 8.00
Carnations	1.00@ 4.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Violets	.50
Narcissus	3.00
Romans	3.00
Harrisii	12.50@15.00
Calla	10.00@12.50

St. Louis, May 5.

Roses, Beauty, long stem	3.00@4.00
" Beauty, medium stem	1.50@2.00
" Beauty, short stem	.50@ 1.00
" Bride, Bridesmaid	4.00@ 8.00
" Golden Gate	4.00@ 8.00
Carnations	1.50@ 3.00
Smilax	15.00
Asparagus Sprengerii	2.00@ 3.00
" Plumosus	25.00@50.00
Ferns	per 1000..... 4.00
Valley	3.00@ 4.00
Callas	10.00@12.50
Harrisii	10.00@12.50
Adiantum	1.00@ 1.25
Lilac	3.00@ 5.00

HEADQUARTERS FOR
FANCY FERNS.

\$3.00 Per 1000.

AMERICAN BEAUTY	Per Dozen.	Per 100
36-inch stems	\$4.00	\$2.00 to \$4.00
24 to 30-inch stems	2.50	1.00
18 to 24	1.50 to 2.00	10.00 to 12.50
12 to 18	1.00 to 1.50	8.00 to 10.00
Short	\$4.00 per 100	2.00 to 4.00
		" Plumosus, string, 25c to 50c each
Bride and Maid	\$3.00 to \$6.00	Fancy Ferns..... per 1000, \$3.00
Golden Gate	3.00 to 6.00	Galax, Bronze, Green, 1000, \$1.00
Liberty, Chatenay	6.00 to 10.00	Adiantum.....
Carnations	1.50 to 2.00	Leucothoe Sprays.....
" Fancy	2.00 to 3.00	Smilax..... per dozen, \$2.50

We Can Still Supply a Small Quantity of Selected WILD SMILAX, 50-lb. cases, \$8.00.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

Brant & Noe Floral Co.,
 GROWERS OF
Cut Flowers at Wholesale.
 Careful attention given shipping orders.
 58-60 Wabash Ave., CHICAGO.
 Please mention the American Florist when writing.

H. G. BERNING
Wholesale Florist
 1402 Pine St., ST. LOUIS, MO.

RICE BROTHERS
 128 N. 6th St., MINNEAPOLIS, MINN.
Wholesale Cut Flowers and Supplies.
 Wild Smilax | Flowers billed at Market Prices.
 Shippers of choice Cut Flowers and Greens of all kinds. Try us.
 Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
 1122 Pine St., ST. LOUIS, MO.
 A Complete Line of Wire Designs.

Pittsburg Florist Exchange
WHOLESALE FLORISTS.
 243 Diamond St., Pittsburg, Pa.
 CONSIGNMENTS SOLICITED.

J. M. McCULLOUGH'S SONS
WHOLESALE FLORISTS
 ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.
 CONSIGNMENTS SOLICITED.
 Special Attention Given to Shipping Orders.
 316 WALNUT ST. CINCINNATI, OHIO.
 Please mention the American Florist when writing.

Michigan Cut Flower Exchange,
WM. DILGER, Mgr.
 All Cut Flowers in Season.
 26 Miami Ave., DETROIT, MICH.

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.

KENNICOTT BROS. COMPANY
 WHOLESALE COMMISSION FLORISTS
 AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,
 AT CHICAGO MARKET RATES.
 42-44 E. Randolph St., CHICAGO, ILL.

GREEN GOODS.

A general scarcity prevails in the market, but while our Smilax is short, we can supply large quantities of Asparagus, good, long, heavy strings. Send us your orders.

ALL CUT FLOWERS IN SEASON.

E. C. AMLING,

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

32-34-36 Randolph St.,
Long Distance Telephones 1973 and 1977 Central.

CHICAGO, ILL.

American Beauty.	Per doz.
30 to 40-inch stem.....	\$3.00
24-inch stem.....	2.00
20-inch stem.....	1.50
15-inch stem.....	1.00
12-inch stem.....	.75
Short stems, \$4.00 to \$5.00 per 100	
	Per 100
Bride and Maid.....	\$3.00 to \$ 6.00
Meteor and Gate.....	3.00 to 6.00
Liberty.....	3.00 to 8.00
Roses, out selection.....	3.00
Carnations.....	1.50 to 2.00
" large and fancy.....	3.00 to 4.00
Violets.....	.50 to .75
Valley.....	3.00 to 4.00
Poet Narcissus.....	1.00
Mignonette, per doz... 50c to 75c	
Sweet Peas.....	1.00 to 1.50
Callas, per doz..... \$1.00 to \$1.25	
Harrisii, per doz..... 1.00 to 1.50	
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns..... per 100, \$5.00	.50
Galax..... per 100, 1.25	.15
Adiantum.....	.75 to 1.00
Smilax..... per doz., \$2.50	
Leucothoe Sprays.....	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

The BENTHEY-COATSWORTH CO.

WHOLESALE FLORISTS.

Consignments Solicited.

35 Randolph Street, CHICAGO

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

FRANK GARLAND,
Wholesale Grower of **Cut Flowers**

SPECIAL ATTENTION GIVEN TO HARDY OUT **FERNS**
66-67 WABASH AVENUE,
Telephone Central 3284. **CHICAGO.**
Please mention the American Florist when writing.

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**
Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.

WIETOR BROS.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

All Right in Canada.

AMERICAN FLORIST Co.—Every week the AMERICAN FLORIST is all right.
Toronto, Ont. R. MEARNS

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....
WHOLESALE GROWER of **CUT FLOWERS**

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, May 6.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 "	2.00@2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	3.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	5.00@10.00
" Bride, Bridesmaid.....	3.00@ 8.00
" Meteor, Golden Gate.....	4.00@ 8.00
Carnations.....	1.50@ 2.50
" fancy.....	3.00@ 4.00
Valley.....	3.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" Sprengeri.....	3.00@ 6.00
" sprays 2.00@6.00	
Violets, double.....	.75@ 1.00
" single.....	.50@ .75
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
" Green, " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000 4.00@ 5.00	
Smilax.....	15.00@20.00
Callas..... 1.00@ 1.50 per doz.	
Harrisii..... 1.00@ 1.50 "	
Sweet peas.....	.75@ 1.50

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3087.
All telegraph and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.

Wholesale Growers of **Cut Flowers**
and Dealers in **Cut Flowers**
All telegraph and telephone orders given prompt attention. 35-37
GREENHOUSES: Randolph Street—
Morton Grove, Ill. CHICAGO, ILL.
Please mention the American Florist when writing.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59, Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

CAMDEN, ME.—George Glaentzel has leased the greenhouses with land on the Stearns' estate and will establish himself in business as a florist.

Leo Niessen

WHOLESALE FLORIST.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

1217 Arch Street, PHILADELPHIA, PA.

For April Weddings

VALLEY, BEAUTIES, LILIES, WILD SMILAX.

Write for Prices.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers. All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

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N. F. MCCARTHY & Co.,

WHOLESALE FLORISTS.

MANUFACTURERS AND IMPORTERS OF FLORISTS' SUPPLIES. AUCTION SALES OF PLANTS. 84 HAWLEY STREET, BOSTON.

WELCH BROS. CITY HALL CUT FLOWER MARKET, 15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA. THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr. WHOLESALE FLORIST.

CHOICEST CUT FLOWERS. 43 W. 28th St., NEW YORK CITY.

GEORGE SALTFOORD, WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK. TEL. 3393 MADISON SQUARE. Specialties: VIOLETS AND CARNATIONS. Consignments of any good flowers 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.

N. Lecakes & Co.

53 W. 28th St., and 45 W. 29th St. Also at 26th St. and 34th St. Markets

NEW YORK. FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES, 75c per 1000; \$6.00 and \$6.50 per case of 10,000. Princess Pine and all kinds of Evergreens. Telephone 1214 Madison Square.

GALAX.

Brilliant Bronze or Green, \$1.00 per 1000; 75c per 1000 in 5000 lots or over. Southern Smilax, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50. Leucothoe Sprays, green, \$1.00 per 100; \$7.50 per 100. Green Sheet Moss, per barrel sack \$2.50. Dagger Ferns, \$1.25 per 1000. ALL KINDS FLORISTS' SUPPLIES.

□ Tel. 597 Madison Square. L. J. KRESHOVER, 112 W. 27th St., New York.

Please mention the American Florist when writing.

Wholesale Flower Markets

BOSTON, May 4.

Roses, Beauty, extra.....	10.00@15.00
" " medium.....	6.00@10.00
" " culls.....	1.00@ 3.00
" " Bride, Bridesmaid.....	1.00@ 6.00
" " extra.....	4.00@ 6.00
" " Liberty.....	1.00@ 6.00
Carnations.....	.50@ 2.50
" " Fancy.....	2.00@ 3.00
Violets.....	.30@ .50
Lily of the valley.....	1.00@ 3.00
Harrisil lilies, Calla.....	4.00@ 6.00
Smilax.....	12.00@20.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	.75@ 1.00
Tulips.....	.75@ 1.00
Peas.....	.50@ 1.00

PHILADELPHIA, May 4.

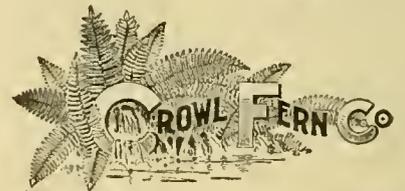
Roses, Tea.....	3.00@ 5.00
" " extra.....	8.00@12.00
" " Beauty, extra.....	12.00@25.00
" " firsts.....	8.00@10.00
" " Queen of Edgely, extra.....	12.00@25.00
" " firsts.....	8.00@10.00
Carnations.....	2.00@ 4.00
Violets, double.....	.50@ .75
Lily of the valley.....	3.00@ 4.00
Daffodils.....	1.00@ 3.00
Lilac.....	.25@ 1.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Snap Dragon.....	8.00@12.00

BUFFALO, May 5.

Roses, Beauty.....	3.00@25.00
" " Bride, Bridesmaid, Meteor.....	3.00@ 8.00
Carnations.....	1.50@ 5.00
Harrisil.....	6.00@ 10.00
Lily of the valley.....	3.00@ 6.00
Asparagus, strings.....	40.00@50.00
Smilax.....	20.00
Adiantum.....	.50@ 1.00
Violets.....	.60@ .75
Callas.....	8.00@10.00
Sweet Peas.....	.40@ 1.00

LAUREL FESTOONING and SOUTHERN SMILAX.

No. 1 quality Laurel Festooning, made all round, full and the best made, fresh from the woods, 4c, 5c and 6c per yd. 50 lb. case, finest Smilax ever sold, only \$6.00. Fancy Ferns, \$2.00 per 1000. New crop DAGGER FERNS now ready, \$1.50 per 1000. All stock Bronze and Green Galax, 75c per 1000; discount on 10,000 lots. Send us your orders and get the best to be had at bottom prices and fresh from the woods. Satisfaction guaranteed.



Tel. Office, New Salem. Millington, Mass. Long distance telephone connection.

Please mention the American Florist when writing.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration) Write, Wire or Phone the Introducing, CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kastine, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

Please mention the American Florist when writing.

ONE FARE FOR THE ROUND TRIP

Plus 25 cents, to Cleveland, O., and return, via Nickel Plate Road, May 16th, 17th and 18th. Tickets good going date of sale and returning to and including June 10th, by depositing same.

Three Through Daily Express Trains to Ft. Wayne, Cleveland, Erie, Buffalo, New York, Boston and New England points, carrying vestibuled sleeping cars. Meals served in Nickel Plate dining-cars, on American Club Meal Plan, ranging in price from 35c to \$1.00, also service a la Carte. Chicago Depot: La Salle and Van Buren Streets. No excess fare charged on any train on the Nickel Plate Road. Chicago City Ticket Offices, 111 Adams St. and Auditorium Annex. Phone Central 2057.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.
Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT
42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATLEYAS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonal novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter T. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH
Wholesale Commission Florists.
55 and 57 West 28th St. NEW YORK CITY.
Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. Wholesale WILLIAM GHORMLEY, Commission VIOLETS

Daily Receiver and Shipper of Fresh Cut Flowers.
Orchids, Roses, Carnations, Valley, Lilies, etc.
Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, NEW YORK.
Telephone 551 Madison Square.

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Open from 6 a. m. to 5. p. m.
Cut Flower Exchange, 55-57 W. 26th St.
Phone 399 Madison Square. NEW YORK.

ESTABLISHED 1872.
JOHN J. PERKINS,
COMMISSION FLORIST,
Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
118 W. 30th St., New York. Also 48 W. 30th St.

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WHOLESALE FLORISTS.
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Cut Flower Exchange,
OPEN 6:00 A. M.
An Unequaled 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, May 4.

Roses, Beauty, Liberty, best.....	8.00@15.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 4.00
" Bride, Bridesmaid, G. Gate	2.00@ 6.00
" Brunner.....	6.00@15.00
Carnations.....	1.00@ 2.00
" fancy and novelties.....	2.00@ 4.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	3.00@ 5.00
Violets.....	.20@ .40
Smilax.....	12.00@20.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Tulips.....	2.00@ 3.00
Narcissus.....	.50@ 2.00
" Poeticus.....	.25@ .50
Gardenias.....	25.00@50.00
Stocks.....	.05@ .15 per bun.
Sweet peas.....	.03@ .10 per bun.
Mcas Roses.....	1.00@ 1.25 per bun.
Lilac.....	.50@ 1.25 per bun.

Charles Millang
WHOLESALE FLORIST.
Conservatory connected from which can ship
ferns and decorative plants promptly
50 West 29th St. NEW YORK
Tel. 2230 Madison Square.
PLEASE mention the AMERICAN FLORIST
every time you write to an advertiser.

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Receivers and Shippers of
Fresh Flowers
111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

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Julius Lang
53 West 30th Street, NEW YORK.
COMMISSION DEALER in FLOWERS
TELEPHONE 230 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 1664 and 1665 Madison Square.

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NEW YORK CUT FLOWER CO.
55 and 57 West 26th St.,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments:
TELEPHONE J. A. MILLANG,
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CONSIGNMENTS SOLICITED.
Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St.
New York.
Telephone 3924 Madison Sq.

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Telephone 421
Madison Square.NEW YORK.
CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

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43 W. 28th St., NEW YORK CITY.

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NEW YORK.

ALEX. McCONNELL,

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Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

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Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

Bertermann Bros. Co., FLORISTS,

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber, FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. L. Dist. Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Umbria	1	Sat. May 14, Noon.	May 21
New York	"	Campania	1	Sat. May 21, 10.00 a. m.	May 28
Boston	"	Ivernia	1	Tues. May 10, 6.00 p. m.	May 18
New York	Glasgow	Laurentian	2	Thur. May 12, 2.00 p. m.	May 22
Montreal	Liverpool	Bavarian	2	Sat. May 14,	May 24
Montreal	"	Parisian	2	Sat. May 21,	May 31
New York	Hamburg	Deutschland	3	Thur. May 12, 3.00 p. m.	May 19
New York	"	Pennsylvania	3	Sat. May 14, 4.00 p. m.	May 24
New York	"	Furst Bismarck	3	Thur. May 19, 10.00 a. m.	May 27
New York	"	Patricia	3	Sat. May 21, 10.00 a. m.	May 31
New York	Genoa	Prinz Adalbert	3	Thur. May 12, 10.00 a. m.	May 27
New York	Copenhagen	Oscar II	4	Wed. May 11, 2.00 p. m.	May 21
New York	"	Norge	4	Sat. May 21, 2.00 p. m.	May 28
New York	Glasgow	Anchoria	5	Sat. May 14, Noon	May 24
New York	"	Furnessia	5	Sat. May 21, Noon	May 31
New York	London	Minnehaha	6	Sat. May 14, 4.00 p. m.	May 24
New York	"	Minneapolis	6	Sat. May 21, 10.30 a. m.	May 31
New York	Liverpool	Teutonic	7	Wed. May 11, 10.00 a. m.	May 18
New York	"	Celtic	7	Fri. May 13, 4.00 p. m.	May 21
New York	"	Cedric	7	Wed. May 18, 7.00 a. m.	May 25
Boston	"	Cymric	7	Thur. May 19, 1.00 p. m.	May 27
Boston	Naples	Romatic	7	Sat. May 14, 9.00 a. m.	May 28
New York	Southampton	St. Paul	8	Sat. May 14, 9.30 a. m.	May 20
New York	"	Philadelphia	8	Sat. May 21, 9.30 a. m.	May 28
New York	Antwerp	Kroonland	9	Sat. May 14, 10.30 a. m.	May 24
New York	"	Zeeland	9	Sat. May 21, 10.30 a. m.	May 31
New York	Havre	La Lorraine	10	Thur. May 12, 10.00 a. m.	May 22
New York	"	La Gascogne	10	Thur. May 19, 10.00 a. m.	May 29
New York	Rotterdam	Potsdam	11	Tues. May 10, 10.00 a. m.	May 20
New York	"	Rotterdam	11	Tues. May 17, 10.00 a. m.	May 27
New York	Genoa	Nord America	12	Tues. May 10, 11.00 a. m.	May 25
New York	"	Liguria	12	Tues. May 17, 11.00 a. m.	June 1
New York	Bremen	Princess Alice	13	Tues. May 10, 1.00 p. m.	May 20
New York	"	Neckar	13	Sat. May 14, 10.00 a. m.	May 25
New York	"	Kaiser Wilhelm II	13	Tues. May 17, 7.00 a. m.	May 24
New York	"	Frk. Der Grosse	13	Thur. May 19, Noon	May 29
New York	Genoa	Konig Albert	13	Sat. May 21, 11.00 a. m.	June 3
Boston	Liverpool	Canadian	14	Wed. May 9, 4.00 p. m.	May 19
Boston	"	Cestrian	14	Wed. May 16, 9.30 a. m.	May 26

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

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JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. * * * * *

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

THE NICKEL PLATE ROAD

Will sell tickets to Cleveland, O., and return account of National Baptist Anniversary, on May 16, 17 and 18, at rate of one fare for the round trip, plus 25c. Tickets good going date of sale. By depositing same, extended return limit of June 10th may be secured. Through service to New York City, Boston and other Eastern Points. No excess fare charged on any train on the Nickel Plate Road. Meals on American Club Meal Plan, ranging in price from 35c to \$1.00; also service A la Carte. Chicago Depot: La Salle and Van Buren Streets, the only passenger station in Chicago on the Elevated Loop. Chicago City Ticket Offices, 111 Adams St., and Auditorium Annex. Phone Central 2057.

2

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Etruria	1	Sat. May 14	May 20
Liverpool.....	"	Lucania	1	Sat. May 21	May 27
Liverpool.....	Boston	Saxonia	1	Tues. May 10	May 17
Glasgow.....	New York	Mongolian	2	Sat. May 21	May 31
Liverpool.....	Montreal	Pretorian	2	Thur. May 12	May 22
Liverpool.....	"	Tunisian	2	Thur. May 19	May 29
Hamburg.....	New York	Bleucher	3	Thur. May 12	May 22
Hamburg.....	"	Pretoria	3	Sat. May 14	May 24
Hamburg.....	"	Moltke	3	Thur. May 19	May 29
Hamburg.....	"	Graf Waldersee	3	Sat. May 21	May 31
Copenhagen.....	"	Helig Olav	4	Wed. May 18	
Glasgow.....	"	Columbia	5	Sat. May 14	May 24
Glasgow.....	"	Ethiopia	5	Thur. May 19	May 29
London.....	"	Mesaba	6	Sat. May 14	May 24
London.....	"	Minnetonka	6	Sat. May 21	May 31
Liverpool.....	"	Majestic	7	Wed. May 11	May 18
Liverpool.....	"	Arabic	7	Fri. May 13	May 20
Liverpool.....	"	Oceanic	7	Wed. May 18	May 25
Liverpool.....	Boston	Cretic	7	Thur. May 19	May 26
Naples.....	"	Canopic	7	Wed. May 11	May 23
Southampton.....	New York	St. Louis	8	Sat. May 14	May 20
Southampton.....	"	Germanic	8	Sat. May 21	May 28
Antwerp.....	"	Finland	9	Sat. May 14	May 24
Antwerp.....	"	Vaderland	9	Sat. May 21	May 31
Havre.....	"	La Savoie	10	Sat. May 14	May 24
Havre.....	"	La Touraine	10	Sat. May 21	May 31
Rotterdam.....	"	Noordam	11	Sat. May 14	May 24
Rotterdam.....	"	Staatendam	11	Sat. May 21	May 31
Genoa.....	"	Citta di Milano	12	Mon. May 16	May 31
Bremen.....	"	K. Wil. Der Grosse	13	Tues. May 10	May 17
Bremen.....	"	Kroopri:zWilhelm	13	Tues. May 17	May 24
Genoa.....	"	Konigin Louise	13	Thur. May 12	May 25
Liverpool.....	Boston	Devonian	14	Sat. May 14	May 24
Liverpool.....	"	Winifredian	14	Sat. May 21	May 31

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.	\$4.00
" " 30-in. "		3.00
" " 20-24 "		2.00
" " 15-18 "		1.50
" " Short stems.....		.75 to 1.00
Per 100		
SUNRISE.....	\$5 00 to \$8.00	
CHATENAY.....	6.00 to 10.00	
BRIDE.....	5.00 to 8.00	
BRIDESMAID.....	5.00 to 8.00	
PERLE.....	3.00 to 8.00	
CARNATIONS.....	1.50 to 2.50	
ROSES, OUR SELECTION.....	4.00	

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

Orchids!

Arrived in PERFECT condition, Cattleya Mossiae, C. labiata, Laelia crispata, Oncidium varicosum Rogersii O. Papilio, O. crispum, Laelia anceps and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

Please mention the American Florist when writing.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

Cattleya Trianae Just received grand lot in fine condition and well leaved, low price for large quantity. Address
A. PERICAT, Collingdale, Del. Co., Pa.

Please mention the American Florist when writing.

A Daily Cut From 40 Growers

"Highest Qualities"

AS WELL AS

"Under Grades"

At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR

Cut Flower Wants

TO ADVANTAGE.

Headquarters for "Superior Quality" Brand
Wild Smilax (None Better), Galax,
Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,

E. F. Winterston, John P. Degnan, L. H. Winterston,
Successors to McKellar & Winterston.
45-47-49 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

Beats All Advertising Mediums.

AMERICAN FLORIST Co.:—I cannot tell you the exact figures, but the AMERICAN FLORIST beat all the papers I ever advertised in before. I am more than pleased with the results. W. P. LOTHROP.

Yellow Daisies and fine Kaisersins, Maids and Brides, Fancy Carnations.

PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St., CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

ONION sets are reported well sold out in Philadelphia and New York.

NEW YORK.—Charles F. Meyer has removed from 19 Barclay street to 99 Warren street.

CHARLES VICK has charge of the New York state exhibit in the World's Fair Horticulture building.

NEW ORLEANS, LA.—Joseph Steckler, of the Steckler Seed Company, lost his young son last week.

VISITED CHICAGO: Jesse E. Northrup, Minneapolis, Minn.; S. Y. Haines, Tompkins, Mich.; H. Field, Shenandoah, Ia.

C. C. MORSE & COMPANY, Santa Clara, Cal., have an extensive display of seeds in the California state exhibit in the World's Fair Agriculture building.

TORONTO, ONT.—Steele, Briggs Seed Company is getting its full share of orders, which are more plentiful than in former years, and the staff is working nights trying to catch up.

F. W. MAAS, recently with the St. Louis Seed Company, has taken a position with the Goulds Manufacturing Company, of Seneca Falls, N. Y., and will have charge of that firm's World's Fair display of spraying apparatus.

PAUL GENSOLLEN, secretary of the Syndicate for the Defense of Horticultural Interests at Toulon, writes regarding the work of the syndicate for the coming season: "This is the fifth battle, this will be the fifth victory."

THE American Mushroom Company is offering a new spawn called Tissue Culture Pure Spawn, which is said to have been grown after improved methods. Growers will watch the behavior of this new spawn with much interest.

BOSTON, MASS.—The seedsmen are working from 6 a. m. to 9 p. m. every day in the week. Everything is in such a rush that clerks nearly lose their heads trying to keep up with the work. Notwithstanding the recent cold weather with freezing and snow the pressure has continued unabated, the counter trade being particularly brisk. Corn, especially canner's sorts, is in short supply. Crosby corn cannot be bought.

Waterloo, Neb.

Operations in this locality have been very much delayed by the unusually late spring. The favorable weather of the past week has stimulated work very much, and it is being pushed rapidly to make up for lost time. The area planted for onion sets has been materially reduced from that of previous years. The seed has been sown about two weeks later than usual, but it is coming up satisfactorily and promises a good stand.

The prevailing high prices paid for typical corn that could be used for seed has opened the eyes of the more progressive farmers to the importance of growing thoroughbred corn, with the result that there will be a marked increase in the acreage devoted to pure corn.

It is rather early to estimate very clearly what will be done in the line of

vine seeds. Matters in that direction are very quiet. B.

Seedsmen at the World's Fair.

In the Agriculture building the Albert Dickinson Seed Company, D. I. Bushnell & Co. and L. L. Olds have so far the only exhibits. The first named firm has had five men on the ground most of the past week preparing its exhibit.

Wood & Stubbs, Louisville, are making a display in connection with the Kentucky exhibit. Mr. Stubbs has spent most of the past week at St. Louis.

Frank Barnard, of Ventura, Cal., prepared the handsome collection of garden beans which is seen in the California display.

D. I. Bushnell is chief of the anthropology department of the World's Fair, and has troubles of his own in that line.

San Francisco.

April 23.—Ten days of unusually high temperature throughout the state, south of San Francisco, succeeding the copious downpours of March, baked the surface almost to the verge of paralyzing growing crops. This has now been changed by intermittent showers, which have softened the surface, and all seed crops are now booming like a border town. In the southern districts (Ventura, etc.,) everything is bustle, taking advantage of the favorable conditions to prepare the ground for bean planting. At no time within the last dozen years have conditions been so favorable as they are now for bountiful crops, not only of seeds but of everything else. SEEDSMAN.

French Seed Crops.

PARIS, April 22.—The planting of the roots which had been stored or protected during the winter being at an end, and the sowing of most of the annuals finished, we may now review the prospects for next fall's seed crop. We have had a very mild, wet winter, with only a couple of spells of frost worth speaking of, during which the thermometer, however, never sunk any lower than 14° above zero. Most of the roots and plants passed the winter quite well, and had it not been for the floods, which damaged to some extent certain fields of cabbages, parsley, etc. in the growing districts of western France, the conditions for the seed crop could not be better than they are at present. The only thing we now require is a change from rainy to warm, bright days. The soil around Paris and in the northern part of France is saturated with water, and sunny weather would induce growth to make rapid progress. We are, however, at a time of the year when the weather is most erratic, and when a pretty sharp frost may do a lot of harm. Beets and mangels are already planted in their permanent quarters. The acreage is pretty large in the different growing districts, and, nothing interfering until harvest, a good crop may be expected. The same is true of the carrots and turnips, of which large breadths have been planted, with good prospects for a fine crop. Cabbages, cauliflower, rutabagas, kohlrabis, parsley and spinach are in the best of condition, and give hope for a large crop. Of winter radishes and parsnips the acreage planted is not so large as last season, but both articles promise to yield a good crop. As regards the annuals, the crop of spring radishes having been pretty large for two years, good stocks seem to have been left over, and contracts made with the growers around Paris

and in western France are much smaller than usual. The sowings, however, were made under favorable conditions, and prospects for a fair crop are hopeful. The seedlings of the peppers, egg plants and tomatoes in southern France are looking well at this writing, but it is much too early to forecast the result of the crop.

Jobbers in the seed trade say that business has not been so good this season as during the last few years. Competition has been very keen, as is usually the case when stocks are large, and the ensuing low-price level left a very small margin of profit. The seed business proves most remunerative in seasons when crops are not so large and prices are not cut. Regarding the retail trade, lack of snow and the mild winter induced that trade to send in the orders in a regular way from the time the catalogues were received, instead of waiting for the first fine spring days and then rushing for the seeds. Fears are expressed, however, that the total amount of the retail business may not come up to the average.

SPECTATOR.

French Bulb Situation.

The acreage planted of Roman hyacinths seems to be somewhat larger than last season. Up to the end of March the plantations looked very fine, but for several weeks the southern growers, in opposition to their northern brethren, experienced a drought which, if it is to last much longer, may check the growing bulbs and prevent many of those which are planted on non-irrigable land from attaining a marketable size. No price has yet been fixed by the Syndicate de Defense. At its last meeting, held April 16, the syndicate, in order to ascertain the result of the crop, decided to mail to each grower a blank, asking him to fill in the quantity of bulbs he had sold last season and the quantity he expects to have for sale this year. The price is to be fixed by the syndicate on receipt of the answers.

Some of the jobbers offered to buy fine lots at 80 francs per thousand, but the offer was refused, the growers expecting a better price. The jobbers, in order to secure the bulbs, then promised to pay those growers a little higher price than the one to be fixed by the syndicate later on. It is possible that in the beginning of the campaign quotations will rule pretty high, say between 80 and 85 francs per 1,000, and perhaps even 90 francs may be asked if the crop should prove to be inferior to that of last season, but the question is whether there will not be a decline afterwards. It is natural to ask whether the French bulb growers are not going a little too far in raising their prices every year, even when crops are larger. If in years when crops are good the growers are not satisfied with 80 francs per 1,000, which is a very remunerative price, what will they ask in seasons when the bulbs prove scarce? It is to be regretted for all concerned in the bulb business that last year one of the dealers, losing patience in August, started buying and thus compelled all the jobbers to do so. Had the latter waited a week longer most of the growers, for fear of losing the sale of their bulbs, would have accepted a fair price and continued to do so for years to come, while at present florists who want to grow the bulbs will have to pay whatever is asked. SPECTATOR.

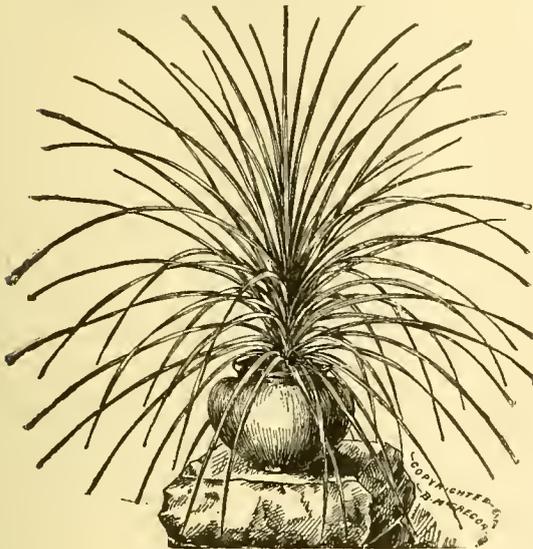
[As may easily be seen, the above reflects the views of a wholesale buyer. No doubt the growers can give reasons for a somewhat opposite position.—Ed.]

DREER SPECIALS IN SEASONABLE STOCK.

ORACAENA INOIVISA. Fine plants for centers of Vases, Window Boxes, Etc. 4-inch pots.....	\$2.00	Per Doz.	\$15 00
5-inch pots.....	2.50		20.00
AMPELOPSIS VEITCHII. Extra heavy two-year plants, 2 to 3 feet, bushy plants. 4-inch pots.....	1.25		10.00
5-inch pots.....	2.00		15.00
ARISTOLOCHIA SIPHO. Strong plants.....	3.50		25.00
BIGNONIA GRANDIFLORA. Strong plants.....	3.00		20.00
Radicans. Strong plants.....	1.50		10.00
CLEMATIS. Strong two-year-old plants.			
Duchess of Edinburgh.....	3.50		25.00
Gipsy Queen.....	3.50		25.00
Henry.....	3.50		25.00
Jackmani.....	3.50		25.00
Jackmani Superba.....	3.50		25.00
Lilicina Floribunda.....	3.50		25.00
Mme. Baron Veillard.....	3.50		25.00
The Gem.....	3.50		25.00
The President.....	3.50		25.00
HARDY JASMINES. White and Yellow.....	1.50		12.00
WISTARIA SINENSIS. Blue, \$3.50 per dozen; \$25.00 per 100. White.....	4.00		30.00

For a complete list of SEASONABLE STOCK, including a complete list of HARDY PERENNIALS, Roses for out-door planting, Dahlias, etc., see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.



Dracaena Indivisa.

To
Seedsmen

The Only Machine....

on the market for automatically filling and sealing seed packets. * * * * *

The Brown Bag-Filling Machine Co.

FITCHBURG, MASS.

Mushroom Growers

We want to send you our circular on "Mushroom Spawns" describing our methods of growing "Tissue Culture Pure Spawn" and "Spore Culture Spawn." Will you send us your name?

American Mushroom Co.,

Lock Box. ST. LOUIS, MO.
Please mention the American Florist when writing.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilies, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raffia, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

NICKEL PLATE.
The New York, Chicago & St. Louis R.R.

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Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address **JOHN Y. CALAHAN, Gen'l Agent,** 113 Adams St., Chicago, Ill.

Announcement

Ghent, Belgium, April 15, 1904.

Messrs. Clucas & Boddington Co., my former agents, NOT HAVING SENT ME THE AZALEA AND OTHER ORDERS BOOKED BY THEM FOR MY ACCOUNT FOR AUTUMN DELIVERY, I HAVE CANCELLED MY CONTRACT WITH THEM. I HAVE APPOINTED AS MY SOLE AGENT for U. S. and Canada

Mr. Arthur T. Boddington,
35 WARREN STREET, NEW YORK.

I request that any orders intended for me be forwarded to Mr. Arthur T. Boddington without delay.

EDW. PYNAERT-VAN GEERT, GHENT, BELGIUM,

Grower and Exporter of AZALEAS, PALMS, ETC.

TELEGRAPH CODE

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Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. **Special Reports.** We make a specialty of this part of our work. **Collections.** We collect slow and doubtful accounts. Why not go through your books at once, and send us all the claims that are in arrears?

Please mention the American Florist when writing.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

VISITED ST. LOUIS.—P. M. Koster, of Boskoop, Holland, April 30.

WAUWATOSA, Wis.—Alex. Klokner is adding a ten-acre nursery to his greenhouses.

ST. LOUIS, Mo.—S. J. Weber & Son, of Nursery, Mo., have done a good trade at the Fair grounds.

THE Stark Nursery Company has given up its branch at Huntsville and has located at Fayetteville, Ark.

HANKINSON, S. D.—A nursery under the ownership and membership of W. W. Lilley and C. A. Chinberg, under the firm name of the Lilley-Chinberg Company, is to be established here.

MONTCLAIR, N. J.—Robert Chesney is defendant in a suit brought by a Belgium nursery firm for payment for a shipment of plants from Ghent in 1902. Mr. Chesney contends that the plants were not as specified in his order.

NEWPORT, R. I.—V. A. Vanicek, of the Rhode Island Nurseries, and Mrs. Mae Faulkner Browne, of Albany, N. Y., were married last week in New York city. F. L. Ziegler, the seedsman, acted as best man. After the ceremony a wedding supper was served at the Everett house. Mr. and Mrs. Vanicek will live on Vernon avenue.

AMID the very general havoc resulting from the severe winter about Boston it is good see the forsythias well covered with flowers and much finer than for at least two years. Daphne Mezereum is now over after having flowered better than for several years, the deep snow having evidently been favorable to it, as it also certainly was to the Berberis Aquifolium, which has come through the winter without a discolored leaf excepting where the stems projected above the snow, in which case they were killed outright. Rhododendron flowers will be few, those that were given extraordinary covering alone excepted. Indications are that wistarias are very generally blighted not only in the flower buds but leaf buds as well.

Toronto.

Business the last week has been all that could be desired. There have been a number of good weddings, and the demise of several prominent citizens helped to keep the retailer busy. The horse show also helped to use up stock, but is no longer the help to florists which was noticeable four years ago. Rose stock is elegant, and still holds up to \$10 per 100, though a drop in prices is soon to be expected. Carnations are plentiful and good, \$4 per 100 still being realized on No. 1 stock. Lilies are over plentiful and can be had at your own price. Bulbous stock is about done for, and violets deteriorate in quality each day.

Park Commissioner John Chambers is very ill. A few weeks ago his favorite collie dog bit him on the fleshy part of the hand, which caused him considerable annoyance, and since then it has developed into pneumonia, and at present his condition is critical.

The recent large fire came very near cleaning out several of our florists, and for a while it looked "all up" with Chas. Tidy & Son and D. J. Sinclair. The former escaped, but the latter was damaged to the extent of about \$100.

Manton Brothers are quite busy with herbaceous stock. The lateness of spring and the present very mild weather will make it difficult for some growers, for plants and herbaceous stock will have to be handled at the same time.

Everything is well under way for a mammoth chrysanthemum show in November, and a grant is expected from the government which will greatly facilitate the arrangement of the prize list.

P. J. Fogarty is the first in the market with pansies. The past winter has been very severe on these, many having been winter-killed, but Mr. Fogarty always seems to have enough left for all.

Grobba & Wandrey are at present marketing some good plants of Boston and Piersoni ferns; these are pot-grown plants, and much more preferable than those grown in the benches.

H. E. D.

Bay Trees Wanted.

Used Bay Trees—but still in good condition. Must be cheap. Address

A. Klokner, WAUWATOSA, WIS.

2,500 Norway, Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in. At bottom prices.

J. J. STYER, Concordville, Pa.
Please mention the American Florist when writing.

CLEMATIS.

Strong plants, 2 to 3-year.....\$3.00 per dozen.
Medium..... 2.00 per dozen.
Pot-grown..... 2.50 per dozen.
Panicleata, 2-year..... 1.00 per dozen.
All nice home grown stock H. P. and Crimson Rambler Roses, \$1.50 per dozen; \$10.00 per 100.
Centaurea, Fern-Leaved, \$3.00 per dozen.

F. A. BALLER, Bloomington, Ill.

ENGLISH IVY PLANTS.

1,000 Extra Strong bushy plants 4 feet high, \$5.00 per 100; \$2.25 per dozen.
100 Extra Fine, 8 foot plants, \$4.00 per dozen.
Lemon Verbenas, 2-in. pots, \$3.00 per 100.

JOHN RECK & SON, Bridgeport, Conn.

CALIFORNIA PRIVET.

	Per 1000
200,000 2 yrs., 2 to 2½ ft., very bushy.....	\$20.00
150,000 2 yrs., 18 to 24 in., very bushy.....	16.00
100,000 2 yrs., 12 to 18 in., very bushy.....	10.00
200,000 1 yr., 12 to 18 in., branched.....	9.00
200,000 1 yr., 10 to 12 in., branched.....	7.00
100,000 Cuttings, 8 in., strong.....	.80
100,000 Cuttings, 8 in., light.....	.60

Also have 10,000 **Canna Roots** in ten leading varieties from 75c to \$1.00 per 100, 2,600 Double Grant **Geraniums** from 2¼-inch pots, \$2.00 per 100. Write for trade list.

J. H. O'HAGAN, Little Silver, N. J.



Send to **THE MOON Company**
For Your Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

California Privet.

	Per 1000
25,000, 2½ to 3½ ft., very bushy.....	\$25.00
25,000, 2 to 2½ ft., bushy.....	20.00
25,000, 18 to 24 in.....	16.00
20,000, Canna Roots , mixed, best sorts.....	12.00
5,000, Golden Elder , 2-yr., strong.....	60.00

All orders are for cash.

W. G. EISELE, West End, N. J.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain. Please mention the American Florist when writing.

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NAARDEN and BOSKOOP, HOLLAND.

Growers of Pot-grown Forcing Plants, Roses, Valley, Spiræas, Evergreens and all kinds of Ornamental Nursery Stock.

Ask for price list and let us estimate on your list of wants. Address 1111 June Isl. JACS. SMITS, care Mallus & Ware, 136 Water St., New York.

AZALEA AMOENA.

From open ground, 1 ft., per 100.....\$25.00
1-yr. plants from 2½-in. pots, per 100, 10.00

SAMUEL C. MOON,
MORRISVILLE, PA.

ATTENTION NURSERYMEN and FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Paonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. **W. VAN KLEEF & SONS,** The Nurseries, Boskoop, Holland.

NATIVE PERENNIALS

FOR PARK AND GARDEN.

Rosa Carolina, Aesclepias, Helenium, Lobelia Cardinalis, Lythrum Salicaria, Thalictrum, Iris, etc. Price list sent on application.

Shatemuc Nurseries,
BARRYTOWN, Dutchess Co., N. Y.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.



LOUIS LEROY, ANGERS, (FRANCE)
M. KOSTER & SONS, BOSKOOP, (HOLLAND)
OVER 1000 ACRES OF FINEST CULTURES.
REPRESENTING BEST WHOLESALE EUROPEAN NURSERIES.
SEEDLING STOCK, SHRUBS, ORNAMENTAL TREES, EVERGREENS, FORCING PLANTS.
SUPERIOR QUALITY, GRADING AND PACKING.
SATISFACTION GUARANTEED.
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J. PALMER & SON, ANNAN, (SCOTLAND)
J. F. MULLER NURSERY, Rellingen, (Germany).
FINEST RAFFIA AND TREE SEEDS.

Try a Thousand or Two of our

GRANDIFLORA CAPE JESSAMINE BUDS

To Increase Your Supply of White Flowers For

DECORATION DAY.

Flowers larger than *Gardenia Florida*; pure white; very attractive dark green foliage; pleasing perfume. Largest commercial field in U. S. Good condition of bloom at destination guaranteed. Stock almost unlimited and best we have had for five years. Low express rates.

Standard Pack: 75c per 100; \$6.50 per 1000.

—500 AT 1000 RATE.—

The lateness of outside stock in Eastern, Middle and Western States, gives us an unusual opportunity to show that we can be of some service to you all through the month of May.

SEASON OPENS NOW AND EXTENDS TO JUNE 10th.

If you have never seen these flowers and have any doubt as to their usefulness, send a small order, so that you may know in future how convenient it is to have them for an emergency.

May 29th is Sunday, so we suggest arrivals for Memorial Day be allowed one day earlier than usual except where Sunday deliveries and sales may be effected. Please do not **mail** Decoration Day orders much later than May 15th, except from near-by states.

C. W. BENSON
ALVIN, TEXAS.

Our Pastimes.

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

The gathering at the alleys on Tenth avenue last Monday evening was as motley in its composition as was the score card on which their prowess was recorded. The aggregation under the leadership of the honorable president of the New York Florists' Club gave promise of accomplishing something when they started out, but once more we are reminded of the truth that "pride goeth before a fall." And now for the scores:

Player.	1st.	2nd.
Traendly.....	174	98
Siebrecht.....	123	161
Koplitz.....	109	125
Craw.....	98	127
Total.....	504	511
Player.	1st.	2nd.
James.....	180	179
Frank.....	144	162
Shaw.....	133	136
Stewart.....	73	148
Total.....	530	625

At Chicago.

The bowling committee of the Florists' Club did not submit the expected report Tuesday evening, on the matter of the preliminary tournament to decide the St. Louis team, as several members of the committee were absent from the city. The matter was deferred for a week. The following scores were made by those present at the Geroux alleys:

Player	1st	2d	3d
Asmus.....	201	189	197
Scott.....	203	174	196
Winterson.....	212	188	172
Stevens.....	213	199	201
Balluff.....	180	210	167
Kill.....	148	156	173
LADIES.			
Player	1st	2nd	3d
Mrs. Reinberg.....	143	80	
Mrs. Kill.....	107	73	
Mrs. Winterson.....	92	112	139
Mrs. Scott.....	77	46	40
Mrs. Hauswirth.....	85	94	64

At Philadelphia.

There is considerable interest taken in the game of "bowls," as ex-President Smith is wont to call it, and many a friendly tussle takes place on the home alleys.

GRANDIFLORA

Jasmine Buds.

Our buds are extra good this season. An experienced packer. Your buds will reach you in good condition.

PRICES:

\$5.00 per 1000; 75c per 100. F. O. B.

TERMS:

Cash with order. Address

Capt. J. M. Weems.

ALVIN, TEXAS.

W. K. Harris had his name on the slate for last month with 237. The deacon is a great lover of the game, and when he and Commodore Westcott get together there is always something doing in the scoring line. A team is to go to Washington Friday of this week, and with a lead of 28 pins in the two previous contests between Baltimore, Washington and Philadelphia, hopes to bring the cup to this city. The St. Louis contest is looked forward to with much pleasure; it is expected that all records will be broken, as the teams will consist of only five men and should therefore be stronger.

Chicago, Detroit, Buffalo, Cleveland, New York, Washington, Denver, Baltimore, St. Louis and Philadelphia can each place five good men in the field, and as there will be but little dead wood to carry, the scores should show something great in the way of averages.

The following are the averages for the month of April:

Starkey.....	168	Kift.....	153
Connor.....	164	Westcott.....	148
Anderson.....	162	Watson.....	147
Harris.....	158	Gibson.....	144
Falek.....	157	Burton.....	143
Graham.....	156	Baker.....	142

K.

NEW CROP

Dagger Ferns.



A No. 1 stock, \$2.00 per 1000. Discount on large orders. We have the best and largest Dagger Ferns in the country and we are now in a position to fill any size order on short notice. Place your order for **MEMORIAL DAY** now, and procure the best and finest stock. We carry the finest and most complete stock of **FLORISTS' HARDY SUPPLIES**. Bronze and Green **GALAX**, best quality, \$1.00 per 1000. **BOUQUET GREEN**, 8c per lb. **BUNCH LAUREL**, 50c per large bunch. **GREEN MOSS**, \$1.00 per bbl. and 75c per bag. **SPHAGNUM MOSS**, \$1.00 per bbl. and 50c per bag. **LAUREL FESTOONING**, good and full at 5 and 6c per yd. **LEUCOTHOE SPRAYS**, \$1.00 per 100. Place any size order with us and you are sure to obtain the best and finest stock, promptly delivered. Orders by mail, telephone or telegraph will receive our prompt and personal attention.

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11 Province Street, BOSTON, MASS.

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CHRYSANTHEMUM MANUAL.

NEW BOOK BY ELMER D. SMITH.

Will be ready soon.

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WE ARE NOW BOOKING ORDERS. PRICE, 25 CENTS, CASH WITH ORDER.

American Florist Co., 324 Dearborn Street, Chicago.

CARNATION PLANTS.

READY FOR FIELD PLANTING.

—THESE PLANTS ARE NOW ALL IN SOIL AND ARE EXTRA LARGE PLANTS, READY FOR FIELD PLANTING.—

	Per 100	Per 1000		Per 100	Per 1000
12,000 Gov. Wolcott, - - -	\$3.50	\$30.00	1,000 Lorna, - - - - -	\$2.50	\$20.00
3,000 Lillian Pond, - - -	3.50	30.00	1,200 Gold Nugget, - - -	2.50	20.00
5,000 Prosperity, - - -	2.50	20.00	2,000 Maceo, - - - - -	2.50	20.00

GRAFTED ROSES **READY NOW.**

We have grafted 100,000 Rose Plants on Manetti, all from choice flowering wood. This is the best stock we are able to produce and sure to give satisfaction. If your rose stock is running down give grafted plants a trial. Ready for immediate shipment.

BRIDESMAIDS, - - - \$12.00 per 100

LIBERTIES, - - - 15.00 per 100

Chatenay Rose Plants, 2½-inch, \$6 00 per 100; \$50.00 per 1000

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

Rose Plants.

Strong Stock from 2½-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00
MME. CHATENAY.....	6.00	50.00
SUNRISE.....	5.00	40.00
KAISERIN.....	3.00	25.00
LIBERTY.....	5.00	40.00
MAID.....	3.00	25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00

Rose Bushes.

2-year Old Plants from Benches.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00
BRIDESMAID.....	3.00	25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
IVORY.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, METEOR, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

Please mention the American Florist when writing.

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN.

LIBERTY, 3½-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN GATE, 3½-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

AMERICAN BEAUTY ROSES.

Own root, strong plants from 2½-inch pots, now ready.
\$6.00 per 100; \$50.00 per 1000.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Please mention the American Florist when writing.

American Beauties

Yes we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a

lot of cull stock we wish to dump. But we have a clean healthy lot of plants which we are offering at very low prices. We intend to establish a reputation on our goods and want your order. The goods are right—but if you don't think so, return them and you can have your money back. Send a dollar for samples if you are dubious. 2-inch, \$5.00 per 100; \$45.00 per 1000. 3-inch, \$6.00 per 100; \$55.00 per 1000. 4-inch, \$8.00 per 100; \$75.00 per 1000.

GRAND RAPIDS VIOLET CO.
163 Madison Ave., GRAND RAPIDS, MICH.

Roses. We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2x2 1/4	2 1/4 x 3	3x3
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Brides.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	LaFrance.....	2.00	3.00	4.00	6.00
8	Kaiserin.....	2.00	3.00	4.00	6.00
9	Wootton.....	2.00	3.00	4.00	6.00
10	Beli Siebrecht.....	2.00	3.00	4.00	6.00
11	President Carnot.....	2.00	3.00	4.00	6.00
12	American Beauties.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

MISCELLANEOUS STOCK. Geraniums, in red, white, pink, salmon, Mme. Sallerol, rose, Alternantheras, red and yellow. Cannas, Coleus, Fuchsias, Begonias, Flowering and Rex, Sweet Alyssum, Feverfew, Cuphea, Lantanas, Cobea Scandens, Ageratums, Pansies, Verbenas, Salvias, Vincas, Lilies nearly all summer and Small Ferns for Fern Dishes. **GEO. A. KUHLE, Pekin, Ill.**

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LIBERTY, BRIDESMAID, BRIDE and GOLDEN GATE.

BEAUTIES ON OWN ROOTS.

Only the best English Manetti used, and plants are strong and vigorous, with abundant roots. Ready now to ship or report into 3 1/2-inch pots.

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CLIFTON, N. J.

Please mention the American Florist when writing.

ROSES FOR FORCING Nice healthy stock, selected from well-grown plants. Sure to give good results.

	2 1/4-in. per 100.	3-in. per 100
American Beauty.....	\$8.00	\$10.00
Perle.....	3.00	6.00
Meteor.....	3.00	6.00
Bridesmaid, extra fine.....	3.00	5.00
Bride.....	3.00	5.00
Golden Gate.....	3.00	5.00
Ivory.....	3.00	5.00

Special price on thousands.

BOSTON FERNS. 2 1/4-in. \$3.50 per 100, 3-in. \$8, 4-in. \$12, 5-in. \$25 and 6-in. \$40. Also some fine specimens in pans. Note the low prices on the smaller sizes.

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American Beauty 3-inch, \$6 per 100

BRIDE and BRIDESMAID, 3-inch, \$4.00 per 100.

GOLDEN GATE, 2 1/4 x 2 1/4-inch, \$2.00 per 100.

ASTERS—Hohenzollern, Giant Comet, Carlson, Japanese, from flats, 75c per 100; \$6.00 per 1,000.

COBEA VINES, 5-inch, \$2.00 per doz.

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BRIDE and BRIDESMAID, from 2 1/4-in. pots, \$3.50 per 100; \$30.00 per 1000; from carefully selected wood—worth the price.

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ROSES FOR SUMMER BLOOMING.

Kaiserin and LaFrance \$3 per 100; \$25 per 1000. **VIOLET STOCK**, in pots or R. C. Write for prices. **CARNATIONS**, from soil, Lawson and Crane, \$2.50 per 100; \$20 per 1000. These are extra quality stock. Hariowarden, \$3 per 100. M. Glory and Norway, \$2 per 100; \$15 per 1000. Flora Hill and White Cloud, \$1.50 per 100; \$12.50 per 1000.

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Fine Stock from 2 1/2-inch pots, \$5.00 per 100.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

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NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

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Rose Plants. Extra Choice.

Guaranteed strong, healthy stock.

In 3-inch pots.	Per 100	1000
Golden Gate.....	\$4.50	\$35.00
Bride.....	5.00	40.00
Bridesmaid.....	5.00	40.00
Mme. Chatenay.....	6.00	55.00

—Above prices cash with order.—

JOHN BROD, Niles Center, Ill.

Surplus Roses.

Meteor, Bride, Bridesmaid and Golden Gate, from 2-inch ready for 3-inch, \$2.50 per 100. Fine stock, sure to please.

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Hydrangea Hortensis Rosea.

The Best Novelty introduced in recent years.

2 1-4-inch pots, \$6.00 per Dozen; \$45.00 per 100.

For Immediate Delivery.

JULIUS ROEHRS, Exotic Nurseries, Rutherford, N. J.

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100; \$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimson. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEENS, L. I.
Please mention the American Florist when writing.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100
Flamingo, fine scarlet.....	\$3.00	\$12.00
Mrs. M. A. Patten, fine variegated.....	3.00	12.00
Crusader, scarlet.....	2.00	10.00
Reliance, white.....	2.00	10.00

	Per 100	1000
Harlowarden, best crimson.....	\$5.00	\$40.00
Governor Lowndes, finest white.....	6.00	50.00
Genevieve Lord.....	2.50	20.00
Mrs. E. A. Nelson.....	3.00	30.00
Norway.....	2.50	20.00

	Per 100	1000
Prosperity... \$3.00 \$25.00	Estelle..... \$3.00	\$25.00
Lorus..... 2.00	Mrs. R'velt.. 4.00	35.00
Sibyl..... 4.00	Fair Maid... 3.00	25.00
Lillian Pond. 4.00	Gov. Wolcott 4.00	35.00

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

Please mention the American Florist when writing.

50,000 CARNATIONS

From flats outside and well HARDENED, fit to plant; Louise, Hill, Joost, Crocker, Marquis and Crane, in equal proportion, \$15.00 per 1000; \$2.00 per 100.

Clematis Jackmani, 2 year, field vines, fine, \$2.50 doz. Clematis paniculata and Wistaria magnifica, blue, 75c doz. Amelopsis Veitchi, 2 year field grown, \$6.00 per 100, dormant, pot grown, long tops, \$4.00 per 100. Vinca major var 4-in. 8c; 3-in. 5c. Paeonia Roots, double white and double rose, \$1.25 doz.; singles, 50c doz. Hydrangea Olakaa, 4-in. 75c doz. Paniculata grandiflora and Viburnum plicatum, 3 year old bushes, fine, \$1.50 doz. Convention Hall and 8 other leaders in 'Mums. Send for list. Cannas, Bedding Stock, etc. Cash.

BENJ. CONNELL, West Crovs, Pa.

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE,

Box 226, KENNETT SQUARE, PA.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES. ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

WHITE.	Cuttings per 100	Cuttings per 1000	2-in. pot pits 100	YELLOW.	Cuttings per 100	Cuttings per 1000	2-in. pot pits 100
Timothy Eaton.....	\$2.00	\$15.00	\$3.00	Col. Appleton.....	1.50	12.50	2.00
Chadwick.....	2.00	15.00	3.00	Major Bonaffon.....	1.50	12.50	2.00
White Bonaffon.....	1.50	12.50	2.00	Yellow Mayflower.....	1.50	12.50	2.00
Wanamaker.....	1.50	12.50	2.00	Omega.....	1.50	12.50	2.00
Geo. S. Kalb.....	1.50	12.50	2.00	PINK.			
Estelle.....	1.50	12.50	2.00	Wm. Duckham.....	25.00		
Robinson.....	1.50	12.50	2.00	Mrs. Murdoch.....	1.50	12.50	2.00
Ivory.....	1.50	12.50	2.00	Viviand-Morel.....	1.50	12.50	2.00
Merry Xmas.....	1.50	12.50	2.00	Mme. Perrin.....	1.50	12.50	2.00
Polly Rogers.....	1.50	12.50	2.00	Pacific.....	1.50	12.50	2.00
White Mayflower.....	1.50	12.50	2.00	M. Newell.....	1.50	12.50	2.00
				Richardson.....	1.50		
YELLOW				Lavender Queen.....	1.50		
Golden Wedding.....	1.50	12.50	2.00	J. K. Shaw.....	1.50		
Golden Beauty.....	1.50	12.50	2.00	RED.			
October Sunshine.....	1.50	12.50	2.00	Oakland.....	1.50		2.00

ROSE PLANTS.

In 2 1/2-inch pots.	Per 100	1000	In 2 1/2-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Rooted Carnation Cuttings.

PINK.	100	1000	RED.	100	1000
Mrs. Lawson.....	\$1.75	\$15.00	G. H. Crane.....	\$2.00	\$18.00
Guardian Angel.....	1.25	10.00	America.....	2.00	18.00
Mrs. Joost.....	1.25	10.00	Palmer.....	2.00	18.00
WHITE.			2-INCH ROSE PLANTS.	Per 100	1000
Flora Hill.....	1.25	10.00	Bridesmaid.....	\$3.00	\$25.00
White Cloud.....	1.25	10.00	Bride, Perle.....	3.00	25.00
Queen Louise.....	1.25	12.00	Golden Gate, Ivory.....	3.00	25.00
LIGHT PINK.			American Beauty.....	5.00	45.00
Highbrotham.....	2.00	18.00	Liberty.....	5.00	45.00
Prosperity.....	2.00	18.00	3-inch PERLE rose plants.....	4.00	35.00

Cuttings have never been so good as this season.

ROSE PLANTS. BRIDE, 3-inch..... \$4.00 per 100; \$35.00 per 1000
BRIDESMAID, 3-inch..... 4.00 per 100; 35.00 per 1000

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

—PLACE YOUR ORDER NOW.—

"Fiancee"

To Be Disseminated Next January.

CHICAGO CARNATION CO., Joliet, Ill.

First-Class CARNATION CUTTINGS

from soil. Nothing but stem cuttings.

	Per 100	Per 1000
6,000 Harlowarden.....	\$4.00	\$30.00
1,000 Norway.....	1.50	15.00
1,200 Higibrotham.....	2.00	20.00
500 Nelson.....	2.50	25.00
500 Marshall Field.....	2.50	25.00

FISCHER & POPPE, Blue Island, Ill.

15 Per Cent Discount on all orders to Clean Up Surplus for the next 60 days. Write me your wants at once.

STOCK PLANTS, ROOTED CUTTINGS and PLANTS in SMALL POTS.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT? Store No. 8 Post Office Arcade, BRIDGEPORT, CONN. Greenhouses, 2632 Park Ave. David S. Beach, Prop.

NEW PINK CHRYSANTHEMUM

AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/2 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y. Jamaica P. O., Woodhaven Station.

STRONG, CLEAN AND HEALTHY

CARNATIONS.

FROM 2 1-4-INCH POTS.

Table with columns for variety (Pink, Joost, Marquis, Scarlet, Crane), quantity (Per 100, 1000), and price (\$2.00, \$20.00, etc.).

CASH.

The W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

SUMMER FLOWERING CARNATIONS

Well established plants from soil: Vulcan, red, Mrs. Fisher, white, \$2.00 per 100. Carnation plants from soil, strong: Enchantress, \$8.00 per 100; Prosperity, \$3.00 per 100. The following at \$2.00 per 100: Queen Louise, Flora Hill, Boston Market, Wm. Scott, Joost, Crocker, Harlowarden. Chrysanthemums, young plants from soil; and the best standard varieties, \$1.50 per 100. C. EISELE, 11th and Jefferson St., Philadelphia.

CARNATION CUTTINGS

A fine, healthy stock of Joost, Eldorado, Genesee, Crocker. Out of sand, \$1.50 per 100; \$12.50 per 1000. Out of soil and pots, \$2.00 per 100; \$17.50 per 1000. Lillian Pond, Gov. Wolcott, Murphy's White, 2 1/4-in. pots and soil, \$4.50 per 100. CANNAS, one and two eyes, \$2.00 per 100; \$17.50 per 1000. Giant Double ALLYSSUM, 2 1/2-inch pots, \$2.00 per 100. G. W. RENARD & BRO., Avondale, Pa.

Loomis Floral Co., CARNATIONS,

Loomis, Cal.

Stanley Ashton & Co., Southgate, England.

The live British Orchid growers and importers supply plants singly or by thousands with equal pleasure. Write for quotations and American testimonials. Brazilian species in bulk shipped direct from Brazilian port. Hybrids a great specialty.

CENTRALIA, ILL.—The annual chrysanthemum exhibition will be held November 8 and 9 under the auspices of the Baptist church. Premium lists have been issued.

Carnations From Pots and Soil.

IF YOU ARE SHORT FOR YOUR FIELD PLANTING WE HAVE THE FOLLOWING CARNATIONS, EXTRA FINE, STRONG STOCK FOR PLANTING IN THE FIELD. Order Before They Are Gone.

Table listing carnation varieties like Crusader, Cressbrook, Fragrance, Indianapolis, Mrs. A. E. Nelson, Mrs. Potter Palmer, Mrs. Theo. Roosevelt, Mrs. Patten, Pres. McKinley, Prosperity, The Belle, with prices per 100.

DORMANT CANNAS. Strong 2-3 eyed bulbs. TRUE STOCK.

Table listing dormant cannas like Black Beauty, Chas. Henderson, Duke of Marlborough, David Harum, Mme. Louis Druz, Mile. Berat, Penasyvania, Red Indian, with prices per 100.

CHRYSANTHEMUM PLANTS 2 1/4-inch Pots all at \$2.50 per 100.

Col. D. Appleton, bright yellow. Timothy Eaton, mammoth white. Mrs. Perrin, pink. May Foster, white, fine for pot plants. Omega, best early yellow. Yellow Mrs. Jerome Jones, bright lemon yellow. Ivory, early white. Miss Agnes L. Dalskov, early pink.

CHOICE SORTS.

Table listing choice carnation sorts like Estelle, Yellow Eaton, Wm. Duckham, Dr. Enguehard, Marian Newell, Columbia, Marie Liger, Golden Chain, with prices per 100.

ROSES. Clothilde Souper, 2-in., at 3c; 2 1/2-in., at 4c; 3-in., at 6c; 4-in., at 10c.

New Century, grand new rose, 4-inch, per dozen \$1.50. Bedding Roses, in large quantity fine stock from 2 1/2-inch pots, per 100 \$3.50.

H. P. Roses, dormant 2-year old, per 100, \$11.00. La France, Mrs. John Laing, Baroness Rothschild, Mad. G. Luizet, Magna Charta, Ulrich Brunner, Paonie, American Beauty.

AMPELOPIS VEITCHI, 3 to 4 feet, heavy, per doz. \$2.00; per 100 \$16.00. 2 to 3 feet, per 100 \$14.00.

HARDY PHLOX, 25 named kinds, 2-inch pot plants from cuttings, make better plants than divided roots and bloom freely all summer. Per 100 \$4.00; per 1000 \$35.00.

HYDRANEA PANICULATA GRANDI-FLORA, 3 feet, each. 12c; 18 in., per 100 \$8.00. Standards, per dozen \$3.00.

HYDRANEA OTAKSA, strong 2 1/2-inch pots, per dozen \$4.00.

Vaughan's Seed Store, Chicago. GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

Large advertisement for CARNATIONS and CHRYSA NTHEMUMS. Includes lists of varieties like Willowbrook, Estelle, Geo S. Kalb, Timothy Eaton, Merry Christmas, etc., with prices per 100 and per 1000. Also lists yellow and pink carnations like Golden Wedding, Gold Mine, Monrovia, etc. Includes contact info for POEHLMANN BROS., Morton Grove, Cook County, Ill.

A PROSPEROUS FLORIST

Is never idle. A glimpse into my houses will prove this. Even enemies must admit that an unusual amount of work has been done to fill an establishment of so many houses which were emptied at Easter, with such an enormous stock of 150,000 choice bedding plants, an increase of 50,000 from last year. Ready now immediate shipment. Secure bargains for new and Decoration Day.

Ceraniums, Le Pilot, double scarlet, Mme. Thibaut, double pink, La Favorite, double white, S. A. Nutt, double crimson, out of 4-inch pots, \$7.00 per 100.

Ageratum, blue, 4-inch, \$6.00 per 100; 3-inch, \$5.00 per 100.

Scarlet Sage, best varieties only, 4-inch, \$7.00 per 100; 3-inch, \$5.00 per 100.

Begonia, Vernon and Erfordi, 4-inch, \$7.00 per 100.

Heliotropes, blue, 4-inch, \$6.00 per 100.

Roses, Hermosa and Hybrid 4-inch, \$10.00 per 100.

Hardy or English Ivies, 4-inch \$10.00 per 100; 3 inch, \$7.00 per 100; 2 1/2-inch, \$5.00 per 100.

Periwinkle, (Vinea Variegata) very strong, 4-inch, \$8.00 to \$10.00 per 100.

Cobaea Scandens, 4-inch strong, \$6.00 per 100.

Begonia, Tuberous rooted, 5 1/2-inch puts, in bloom and bud, \$2.50 per doz.

Pres. Carnot and other mixed varieties, very strong, 5 1/2-inch pots, \$2.00 per doz.

Fuchsias, 5-inch, \$1.50 per doz.

Daisies, yellow and white, 5-inch, \$2.00 per 1000.

Honeysuckle, 8-inch, \$2.00 per doz.

Dracaena, Indivisa and Lantana, 6 to 7-inch pots, 50c each.

Hydrangea Otaksa, for out-door planting, 6-inch pots, \$3.00 per doz.

Small plants out of 2 1/2-inch pots, \$3.00 per 100 as follows:

Petunias (California Giant) an inimitable dwarf. Phlox, Drummond Giganteum. Nasturtium (Empress of India) 3-inch pots. Verbenas, Sweet Alyssum (Little Gem), Lobelias, Cupheas, Tradescantia, Pyrethrums (Golden Feather), Alternantheras (red and yellow), Dusty Miller, Parlor Ivy, Lobelias and Coleus, Verschaffeltii, Golden Bedder and Fire Brand.
—25 lots sold at 100 rates.—

Don't forget that I am the Moon Vine grower of the land. Only **A. W. Smith's Hybrid Moon Vines**, (Ipomea Noctiflora) is exclusively the one I grow and is the only true Moon Vine in America, as Mr. Smith has the world wide reputation of growing the best Moon Vine seed. Please bear in mind that this is no morning glory like so many sell for Moon Vines but the pure white waxy moon flowers as large as saucers. 3-inch, pots, \$7.00 per 100; 4-inch pots \$10.00 per 100. Nicely staked up.

Watch add for Araucarias, Palms and Ficus in about 3 weeks. Please send cash with orders. All goods travel at purchasers' risk. My best thanks to my customers for their liberal patronage at Easter.

Godfrey Aschmann, Wholesale Grower and Importer of Pot Plants.

1012 Ontario St., Philadelphia, Pa.
Please mention the American Florist when writing.

FIRST-CLASS STOCK.
Satisfaction Guaranteed. I ship orders the same day received at special express rates.

Begonia Vernon, red, white, pink and mixed. Verbena Mammoth. Lobelia Erecta and Trailing. Petunia, single, finest fringed. German Ivy. Ageratum Blue Perfection. English Ivy. Salvia Splendens and Bonfire. Mme. Sallerol Geranium. Coleus Verschaffeltii, yellow, red, gilt-edged and fancy mixed. All fine strong, 2 and 2 1/2-inch, \$1.75 per 100; \$16.00 per 1000. Geraniums, Poitevine, Dbl. Grant, Nutt, Buchner, Castellaine, Le Soliel and Cannas, French, dark red and yellow. All strong 4-inch, in bud and bloom, \$5.00 per 100; \$45.00 per 1000; mixed, \$1.00. Petunia, finest fringed; Verbena, mammoth; Mme. Sallerol Geraniums, Heliotrope, Salvia Splendens and Bonfire. All fine strong, 3-inch, \$3.00 per 100; \$25.00 per 1000 Cash please. Dracaena Indivisa, strong, 5-inch, \$2.00 per doz. Cobaea Scandens, staked, 3 feet, strong, 3-inch, \$4.00 per 100.

WM. S. HERZOG, Morris Plains, N. J.

Smilax Seedlings, 25c per 100 by mail; \$2 a 1000 by express. SALVIA, Splendens, Bonfire, Silver Spot. VINCA, variegated, 2-inch, \$1.25 per 100; \$10.00 per 1000.

Rooted Cuttings Prepaid. STEVIA, variegated, 75c per 100. AGERATUM, Gurney, Pauline. ALTERNANTHERA, yellow, 50c per 100. VINCA, variegated, FUCHSIAS, 5 kinds, 75c per 100. PETUNIA, double, 12 kinds. HELIOTROPE, blue, GIANT MARGUERITE DAISY, white, \$1.00 per 100. COLEUS, 10 best bedders, 50c per 100. SALVIA, Splendens, Bonfire, Silver Spot, 90c per 100.

—CASH—
BYER BROS., Chambersburg, Pa.

ORCHIDS.

ORDER AT ONCE AS THEY ARE GOING FAST.

TO MAKE ROOM THE FOLLOWING MUST BE SOLD:

Aerides: Fieldingii, Quinguey, Species. Angræcum Sesquipedale. Brassavola: Digbyana. Cattleya: Bowringiana, Dowiana, Gaskell, Meadell, Schrodera, Skinneri. Trianae: About 200 plants from 4-inch pots to specimens. Chondroryncha: Chestertoni. Cœlogyne: Cristata, Cyripedium: Calurum, Sedenii Canadid, Barbatum, Dominianum, Schlimi, Cardinale. Dendrobium: Bigibbum, Phal., Schroderi, Formosum, Densiflorum. Epidendrum: O'Brienii, Aromaticum, Lælie: Albida specimen, Dayana, Harpophylla, Yongheana, Praestans, Purpurata, Cinnabrosa (Hybrid), Latona (Hybrid), Lael x Cattleya Sheila. Masdevallia: Hararyana. Miltonia: Vexillaria. Odont: Rossii. Phaius: Hybrid.

PHALAENOPSIS.

Largest stock in America, established and unestablished. Amabilis, Amethyst, Esmeralda, Grandiflora, Luddeman., Rosea, Schilleriana, Stuartiana, Renanthera Storiei, Saccolabium, Violaecum, Sobralia Macrantha, Thunia Alba, Vanda Lamellata.

—WRITE FOR PRICES AS PLANTS MUST BE SOLD.—

DR. R. SCHIFFMANN, St. Paul, Minn.

Please mention the American Florist when writing.

CRISIS

The **BEST** commercial scarlet Carnation on the market for 1905. Early and continuous bloomer. Color, the richest scarlet; blooms, three inches and over, and never bursts; stems, 24 to 30 inches long and very

stiff. We court investigation.

PRICES: \$2.00 DOZEN; \$12.00 PER HUNDRED; \$100.00 PER THOUSAND; \$95.00 PER THOUSAND IN FIVE THOUSAND LOTS.

DAVIS BROS., Bloomsburg, Pa.—

BLOOMSBURG, PA., Mar. 18, 1904.

Gentlemen:—Please book my order for 5,000 of your new red carnation "Crisis." I have watched this carnation for the last three years and I believe it is the best red carnation in cultivation to-day. I sold several thousand blooms of this variety for you last year. It proved to be a good shipper and always gave satisfaction.

Yours very respectfully, J. L. DILLON.

DAVIS BROTHERS CO., Bloomsburg, Pa.

GERANIUMS

Per 100
10 var., 2-in. pots, \$2.50; 2 1/2-inch \$3.01
10 var., 3-in. pots 4.10
Alternantheras, red and yellow, April 15 2.00
Seedling Petunias, May 1st 3.00
Asp. Plumosus Manus Seeds per 1000, \$4.50; 1 000

Cash or C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Coleus

Per 100
10 varieties, 2-inch pots \$2.00
Vinea Var. Vines, 2-inch pots 2.50
50 Boston Ferns, 5-in. pots 25c each
Asparagus Sprengeri, April 15 2.00
Cannas, 8 var., 4-inch pots 5.00

Burbank's New
SHASTA DAISY
Strong branching plants, 3-inch pot plants, ready for shift, \$7.00 per 100. 2 1/2-inch pot plants, \$4.00 per 100. : : : :
Des Moines Plant Co.
38th St., Des Moines, Ia.

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Burbank's Shasta Daisy

True stock of same, no chance seedlings. The best cut flower for summer use. Strong plants of same, \$4.00 per 100; \$30.00 per 1000. The above are stock divided last fall and wintered over in cold frame. Satisfaction guaranteed or money will be returned. Cash with order please.

WM. A. FINGER, Hicksville, L. I., N. Y.

Orchids

A fine importation of **CATLEYA TRIANA**e from our own collector. The largest flowering time, in excellent condition; nearly every bulb with green leaf.

Fine, healthy plants, 7 to 10 bulbs and leaves \$2.00 each
Extra strong plants, 10 to 15 bulbs 3.00 each
A few large specimen plants, \$5.00 to \$10.00 each

ROSE HILL NURSERIES,
Siebrecht & Son, New Rochelle, N. Y.
Please mention the American Florist when writing.

CHRYSANTHEMUMS.

STRONG, COOL GROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonnafon, White Bonnafon, Col. Appleton, Fernu, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2 1/2-inch pots, \$2.00 per 100. Special price by the 1000.

COLEUS, Golden Bedder, Verschaffeltii and fancy mixed, 2 1/2-inch, \$1.75 per 100; \$17.00 per 1000. Rooted cuttings, 75c per 100.

H. N. EATON, Agent.
SO. SUDBURY, MASS.

Fuchsias.

1½-inch pots, in variety..... \$2.50 per 100
 2½-inch pots, in variety..... 4.00 per 100

Sansevieria Zeylanica.
 2½-inch, strong..... 4.00 per 100
 3-inch, strong..... 6.00 per 100

Ceraniums—Good plants..... \$4.00
 Strong plants, bud and bloom..... 6.00

Heliotrope of sorts, good stock..... 4.00

Coleus—Rooted Cuttings, 75c per 100; Plants 2.50

Alternantheras—3 kinds, Rooted Cuttings... .50
 Plants, bushy..... 2.50

Begonias, in good assortment..... 4.00

ROBERT S. BROWN & SON,
Box 335, KANSAS CITY, MO.
Please mention the American Florist when writing.

VIOLET PLANTS.

Princess of Wales. Field-grown, well-rooted delivered at \$15.00 per 1000 or \$2.00 per 100.
 Remember we pay the express charges. Cash with order.

Ocean Park Floral Co., Ocean Park Cal.
 E. J. VAWTER, President.

VIOLETS.

I make a specialty of violets. Grow them in cold frames. My stock is perfectly healthy. Marie Louise and Swanley White. Write for my low prices on strong plants. Will exchange some for choice hardy roses and carnations.

CHAS. KOEPPEN, Fredericksburg, Va.

VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

Vegetable and Bedding Plants

Some hundred thousand are ready now and a few million are on the move. Cabbage, E. J. Wakefield, Charleston Wakefield and Early Summer, \$1.25 per 1000; 20c per 100. All other varieties of Cabbage, Celery, Asparagus as well as Bedding Plants and Pansies. Price list mailed free.

LUDVIG MOSBAEK, Onarga, Ill., or So. Chicago, Ill.

THREE NEW CANNAS.

Hon. W. R. Hearst, large, free bloomer; scarlet, mottled and edged with golden yellow; outside of petals almost pure yellow; first in bloom. **Senator Hanna**, large flower; pure orange, tinged with golden yellow. **Mrs. John A. Logan**, vigorous grower scarlet, with broad yellow golden border; resembles Queen Charlotte.

ANY OF THE ABOVE \$1.00 EACH, CASH.

H. D. SEELE, Canna Specialist, Elkhart, Ind.

CANNAS

—DORMANT ROOTS.—

We still have a few 1000 Cannas of the best varieties from \$1.00 per 100 up. **KENTIA BEL-MOREANA**, 3-inch, \$1.50 per doz.; 4-inch, extra fine stock, \$3.00 per doz. **VINCA VARIEGATA**, extra strong, \$3.00 per 100.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE,

2½-inch pots, \$15 00 per 100.

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

THOMAS ROLAND, Nahant, Mass.

S. S. Skidelsky,

708 N. 16th St., Philadelphia.

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. **BOSTON FERNS**, 2½-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS**, 2½-inch, \$8.00 per 100; 5-inch, 50c. **ASPARACUS PLUMOSUS**, 2½-inch, extra fine, \$3.50. **CANNAS**, F. Vaughan, J. C. Vaughan and Burbank, \$1.50 per 100; \$12.00 per 1000. **COLEUS**, 15 varieties, \$2.00 per 100. **Cash Please.**

A. J. BALDWIN, Newark, O.

NOW READY

COLEUS

Rooted Cuttings.

VERSCHAFFELTII, GOLDEN QUEEN and FIREBRAND. By express 60c per 100; \$5.00 per 1000. At purchaser's risk by registered mail, 75c per 100.

FRANK A. PIERSON,
CROMWELL, CONN.

Please mention the American Florist when writing.

Geraniums.

The best proposition ever offered. Send for it to day.

ALBERT M. HERR,
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GERANIUMS.

Extra fine stock in bud. 3-inch Gen. Grant, S. A. Nutt, E. G. Hill, LaFavorite and other varieties. \$4.00 per 100. **VINCAS**, variegated, long vines, 4-inch pots, \$8.00 per 100. **HYDRANGEA OTAKSA**, 6-inch, 3 to 4 buds, \$2.50 per doz. **Cash.**

GEO. H. BENEDICT, Yorkville, N. Y.

Please mention the American Florist when writing.

Geraniums.

20,000 plants in 12 good varieties. From 2-inch to 6-inch. **WRITE FOR PRICES.**

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Pers. Spl. Gigantum. Finest strain in the world in four true colors (separate) twice transplanted from flats, \$3.00 per 100; \$25.00 per 1000. Extra fine plants from 2½-inch pots, \$5.00 per 100; \$45.00 per 1000. **Satisfaction guaranteed.**

PAUL MADER, East Stroudsburg, Pa.

GIANT CYCLAMEN.

My own strain. The best that can be raised. Once transplanted, \$2.00 per 100; \$18.00 per 1000. 2½-inch pots, excellent stock, 5 colors, \$1.00 per 100; \$36.00 per 1000. **Sprengerii**, from flats, 75c per 100; \$6.00 per 1000; 3-inch, \$4.00 per 100.

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Tomato Plants.

Stock transplanted, 10 to 12 inches tall, \$1.00 per 100; \$7.50 per 1000; small transplanted, \$2.00 per 1000; seed bed plants by 1000—Acme, Perfection, Favorite, Beauty, Stone, Dwarf Champion, Imperial, Livingston's Dwarf Stone, Earliana, Chalk's Early Jewel.

Write for price list of vegetable plants.

FRANK SHEARER & SON, Binghamton, N. Y.

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Rooted Cuttings, fine assortment, 60c per 100.

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BEDDING PLANTS

GERANIUMS, Nutt, Le Soleil, Marvel, Grant, Beaute Poitevine, LaFavorite, A. Riccard, Mme. de Castellane, Jean Viaud.

Per 100 Per 1000

4-inch.....\$7.00 \$65.00

HELIOTROPES.

4-inch..... 7.00 65.00

Will average 6 to 8 shoots.

2½-inch..... 3.00 25.00

SALVIA, Scarlet Sage, Bonfire.

4-inch..... 6.00 50.00

2½-inch..... 2.50 20.00

LOBELIA, 3-inch..... 4.00

Loaded with buds and blooms.

We wish to call special attention to the fact that our plants have been given plenty of room and are exceptionally fine, bushy and well branched, all in bud and flower.

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100,000 Now in Bloom.

Extra large field-grown plants. They are the **Kind that Sell.** Per 100, \$2.00; per 1000, \$20.00.

Seedlings, \$3.00 per 1000.

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Successor to Thos. J. Corbrey,

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Telephone, Harlem 2342.

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500,000 PANSIES.

Pansies that give satisfaction wherever used. \$10, \$15 and \$20 per thousand, according to size.

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VERSCHAFFELTII GOLDEN BEDDER FIREBRAND

2½-inch pots, \$2.50 per 100; \$20.00 per 1000.

ROOTED CUTTINGS, 75c per 100; \$6.00 per 1000.

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50,000 Alternantheras Red and Yellow from 2-in. pots at \$1.50 per 100. Rooted Cuttings 50c per 100; \$4.00 per 1000; in lots of 5,000 or over \$3.50 per 1000.

DAVIS BROS., Morrison and Geneva, Ill.

Asparagus.

PLUMOSUS NANUS	Per 100	Per 1000
PLUMOSUS ROBUSTUS.....	\$3.00	\$25.00
DECUMBENS	5.00	
SPRENGERI	2.00	15.00

SMILAX.

Well-grown and properly packed.. 1.50 12.50
Special prices on lots of 10,000 or over.

We use a light friable soil that can be shaken off without injury. If you wish to save express charges state when ordering "without soil." Samples mailed for 5c per plant.

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\$2.00 per 1000
buys the BEST FANCY
FERNS in the market. Cash with order,
or will ship C. O. D. Telegraph or write
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ADAMS, MASS.

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—A1 POT CROWN.—

6-inch.....	each, 40c
5-inch.....	each, 25c
4-inch.....	each, 15c
3½-inch.....	each, 12½c
3-inch.....	each, 8c

PIERSONI FERNS.

6-inch.....	each, 50c
3½-inch.....	each, 15c

GERANIUMS.

4-inch, \$8.00 per 100; 3½-inch, \$6.50; 3-inch, \$5; 2½-inch, \$3.50 in the following varieties: Red, S. A. Nutt, Pasteur, Le Soleil and Trego. White, La Favorite and Mme. Carnot. Pink, Jean Viaud, Salmon, E. G. Hill. Write for discounts on 100 lots.

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1101-03 Fifth Ave., PEORIA, ILL.

Cheap Palms and Asparagus.

Lalania Bor., 2-in. pot,	seed leaves..	3.00
" " 3-in. pot, 15-18 in.,	2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in.,	3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in.,	4 chr. lvs.	20.00
Kentia Bel., 2½-in. pot,	8-10 in.,	2-3 leaves..12.00
" " 2½-in. pot, 15-18 in.,	3-4 leaves..	15.00
" " 3-in. pot, 15-18 in.,	4-5 leaves..	18.00
" " 3-in. pot, 18-24 in.,	5-6 leaves..	20.00
Asparagus Sprengeri, 2-inch.....		\$2.00
" " 8-inch.....		3.00
Asparagus Plumosus, from flats.....		1.75
" " 2-inch.....		2.50
" " 3-inch.....		4.00

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Boston and Piersoni Ferns.

2½, 3, 4, 5, 6, 7, 8 and 10-inch. Largest growers in the West. 20,000 in stock.

Asp. Plumosus and Sprengeri.

GEO. A. KUHLE, - Pekin, Ill.

Boston Ferns.

Prices—2½-in., \$4.00; 3-in., \$8.00; 4-in., \$5.00; 5-in., \$25.00 per 100; 6-in., 40c; 7-in., 60c; 8-in., 75c each. **PIERSONI FERNS,** 2½-in., \$8.00 per 100; 4-in., 35c; 5-in., 50c each. **ALTERNANTHERAS,** red and yellow, strong rooted cuttings, 50c per 100; \$4.00 per 1000. Special price on large quantities.

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ASPARAGUS SPRENGERI.

ROSES—Bride and Maid, 2½-in. and 3-in. pots,	
\$3.00 and \$4.00 per 100.	
Geraniums, choice selection.	Per 100
2½-inch.....	\$2.50
3-inch.....	4.75
4-inch.....	8.00
A. H. TREGO—Best Scarlet Geranium.	
Rooted Cuttings, strong.....	3.00
2½-inch pots.....	5.00
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5-inch pots, fine.....	20.00
One lot single red, mixed plants, well branched, 3-inch.....	4.00
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" " 2-inch.....	2.00
Sweet Alyssum, 2½-inch.....	2.00

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SMILAX.

2 1-2 inch pots, \$2.50 per 100; \$20.00 per 1000.
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KENTIA BELMOREANA and **FORSTERIANA** PALMS, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.
REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.
DRAACAENA INOIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.
ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.
BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.
ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.
PANSY, in bud, \$1.00 per 100.
GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Sallerio, Poitevine, \$2.50 per 100. 3-inch, \$5.00 per 100.
GLADIOLUS BULBS, fine mixture, \$1.00 per 100.
2½-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow Single and Double **PETUNIA, HELIOTROPE, Golden Gate** and **Bridesmaid ROSES, DRAACAENA INDIVISA, VERBENA, LEMON VERBENA,** \$2.00 per 100.
VINCA VAR., 2-inch, \$2.00; 3-inch, \$4.00 per 100.
ABUTILON SAVITZII, 3-inch, \$5.00 per 100.
CANNAS, Black Beauty, Red, Yellow, and Variegated, 3-inch, \$4.00 per 100.

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BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$45.00.
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Keap Street Greenhouses.

Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100. In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.
Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. **Asp. Sprengeri,** 4-inch, \$6.00 per 100. **Draacaena Indivisa,** 3-inch, strong, \$8.00 per 100. **Kentias, Ficus, Coleus, R. C.,** red, yellow and black, \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000; 60c per 100.

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ROSES, from 3-inch pots, **CARNATIONS,** for all delivery, **CHRYSANTHEMUMS,** **SMILAX, VIOLETS.** In Best Varieties
Prices Low. Send for List.

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WYNCOTE, PA.

Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana

For our prices see page 551, Nov. 7th issue

Choice stock ready for pots two sizes larger. 2½, 3, 4, 5, 6, 7-inch pots, at 3c, 5c, 8c, 12c, 25c, 35c and 75c each.

Moon Vines, 2½-inch.....	Per 100
4.00	
DAHLIAS —Cactus, show and decorative, named.....	6.00
Peonies, choice varieties in three colors.....	12.00
H. P. Roses, dormant 2 year, leading vars.....	12.00
Kaiserin, Mme. Cochet, Testout, Crimson Rambler, Clothilde Soupert.....	20.00
Souv. de Wootton, 1 year.....	5.00
Boston Ferns, 2½, 3, 4, 5, 6-inch, \$3.50, \$8.00, \$15.00, \$25.00, \$35.00 per 100.....	
Cannas, leading varieties.....	2.00
Verbenas, fine.....	\$1.50 to 2.50
Ivy, 8 inches long.....	2.00
" 3-inch.....	3.00
Vincas, strong plants.....	8.00
Petunias, 2½-inch.....	2.50

FERNS.

2 1-2 inch pots, \$2.50 per 100; \$20.00 per 1000.
HOLTON & HUNKEL CO., Milwaukee, Wis.

A FEW GOOD THINGS YOU WANT.

Nephrolepis Piersoni, strong plants from 2-inch pots, \$8.00 per 100.
Fall planted stock from bench, ready for 4-inch pots, \$20.00 per 100.
Nephrolepis Bostoniensis, fall planted, ready for 4-inch pots, \$10.00 per 100.

HARDY PLANTS.

All the following are last season's propagation:
Anemone Japonica, from 2-inch pots, \$4.00 per 100, including the following varieties: Alba, Queen Charlotte and Elegantissima.

Acquilegia, (Long Spurred, mixed), 2-inch pots, \$3.00 per 100.

Coreopsis Lanceolata, 3-inch pots, \$3.00 per 100.

Digitalis, extra strong, 3-inch pots, \$3.00 per 100.

Hellanthus Sparsifolia, grand novelty for cutting, 25c each; \$2.50 per dozen.

Oriental Poppy, 3-inch pots, \$5.00 per 100.

Pyrethrum, strong clumps, \$6.00 per 100.

Rudbeckia Newmanii, 2½-in. pots, \$3.00 per 100.

Rudbeckia Triloba, 3-inch pots, \$5.00 per 100.

Nathan Smith & Son, ADRIAN, MICH.

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PIERSONI FERNS VERY TRUE STOCK.

Strong 2½-inch stock.....\$ 8.00 per 100
Strong 3-inch stock..... 10.00 per 100
Strong rooted runners..... 5.00 per 100

Cash with order. Satisfaction guaranteed.

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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

New Orleans.

When it was decided two months ago not to have a spring show a committee was appointed to arrange ways and means of making the meetings of the New Orleans Horticultural Society more entertaining by giving small prizes to the members who would bring some plants and flowers for inspection and discussion. Last week was the first of these meetings. Vice-president R. Eichling, acting as chairman in the absence of J. Steckler, who lost one of his children the same day, had a few plants of coleus which were appreciated by the society. The leaves were deeply colored. Mr. Eichling stated that he had some very promising seedlings. A committee of three, M. M. Lapouyade, E. Valdejo and Mr. Hallwell, was appointed to arrange the next outing, which takes place in June. A vote of thanks was tendered to A. Alost for the elegant manner he received the society at a picnic on his place on Gentilly road a few miles from the city. Mr. Alost, who devotes most of his time to the growing of vegetables, is also a rose grower. His large field of roses was inspected with a great deal of interest by the members.

The City park association and the general public of New Orleans will regret to hear of the death of Victor Anseman. He devoted the largest part of his years to the improvement of the park, which promised soon to be one of the finest in the south. He raised quantities of dahlias and chrysanthemums and was the pioneer of that culture around here. He was an upright, honest man and esteemed by every one.

Business is slacking, a long spell of dry weather preventing much garden work.
M. M. L.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC. TO R. STEFFENS AND STEFFENS BROS.
MANUFACTURER OF
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FOIL MADE BY
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Plain, Fancy, Printed & Mounted.

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LIGHTNING FLOWER POT WASHER.

Washes all sizes of pots, clean as new, about as fast as you can handle them. **Strong Plants are only grown in Clean Pots.** Send for description. Sold direct \$15.00 net F. O. B. Joliet.
C. E. FINLEY Joliet, Ill.

CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
	3x 4x20	3x 4½x16	3x 6x18	4x 8x18	3x 5x24	4x 8x22	6x 8x28	6x16x20	8x 7x21	5x10x35	7x20x30	3½x5x30
	\$2.00	1.90	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
	\$19.00	17.50	19.00	23.00	26.00	28.50	36.00	54.00	28.50	62.00	67.50	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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Sphagnum Moss and Cedar Poles.

Moss, 5 barrel bale, fresh and clean, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. Poles 2 to 5-in. at butt, any length required. H. R. AKERS, Chatsworth N. I.

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THE GREAT MAGIC INSECTICIDE.

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**WITHOUT THE SLIGHTEST INJURY TO
TENDEREST PLANTS.**

Does not Effect Odor or Bloom.

**This Insecticide is an Honest, non-poisonous, non-
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Grower and is sure death to the San Jose scale.**

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Laboratories: 906-908 Hillman Street.
L. W. LEACH, Vice-President and Manager.

THE FOLLOWING ARE SAMPLES OF THE MANY TESTI- MONIALS WE HAVE RECEIVED:

Office of State Vice-President Society of American Florists and
Ornamental Horticulturalists.
Baltimore, Md., December 4, 1903.

To THE LEACH INSECTICIDE Co.

GENTLEMEN:—We have thoroughly tested your Insecticide on
both outdoor and greenhouse stock and found it better and safer than
any we have tried so far. Scales of all kinds, even the San Jose and
hard shell scales on palms and other greenhouse plants have been
eliminated after the second application of your mixture. It affords
me pleasure to forward to you this testimonial and inclose an addi-
tional order from the Park Department of Baltimore.

Very respectfully, CHAS. L. SEYBOLD, Patterson Park.

Mr. Seybold is Superintendent of Patterson Park, one of the
largest parks in the city of Baltimore. He is a member of the
Maryland Horticultural Society and a member of the American Park
and Outdoor Art Association.

The following is from James Smith, another well-known florist
of Baltimore:

GREENHOUSES B. & O. R. R.
BALTIMORE, MD., November 13, 1903.

LEACH INSECTICIDE COMPANY.

DEAR SIR:—I think that your solution is all you claim for it;
has killed all of the grub worms and other insects in a very short
time without harming the most tender ferns. It has never failed in
a single instance. I remain, respectfully yours,

JAMES SMITH,
Lansdowne, Baltimore Co., Md.

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LETTERS

**To be had at all Leading Supply Houses
and Wholesale Florists.**

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"NICOTICIDE"

No bugs then.

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Listen Here!

Easter is over and you have made money (if you handled our Easter Specialties). **HERE'S ANOTHER CHANCE.** Spring parties, engagements and weddings are now in order and it's about time to start on Immortelle and other emblematic work.

For Decoration Day.

We have New Baskets in styles without number and a wide range of material, Wheat Sheaves, best in the country for the money, Immortelles, Capes and other Dried Flowers and Preserved Foliage in variety, Cycas Leaves and Wreaths, Pot Covers, Matting, Crepe Paper, Doves, Wire, etc., and a splendid stock of New Metal Designs and Porcelain Flowers. All in quality and at prices that defy competition.

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"Eureka" Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

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1904 Directory

(LATEST EDITION.)

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All names are arranged by States and Towns, also alphabetically. Full list of Parks and Cemeteries of the United States and much other information completely indexed. Sent postpaid on receipt of \$2.00.

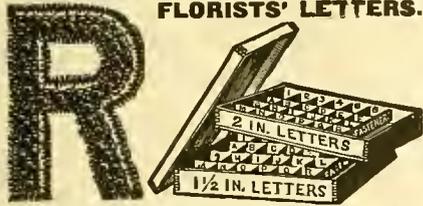
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10,000, \$1.50; 50,000, \$6.25. Manufactured by
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Sample Free. For sale by dealers.

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What you need is a reliable shading upon your greenhouse glass, one that will not easily wash off by rains. Upon receipt of \$1.00 I will mail to any address printed recipe for same with instructions how mix. It saves labor and material, because it stays where you put it. Address

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FOR GERANIUMS
50 lbs. for \$2 00

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The WHILLDIN POTTERY COMPANY,
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Standard Flower... **POTS**

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

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28th and M Streets, WASHINGTON, D. C.
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MANUFACTURERS OF
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Before buying write for prices.
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THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY,
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SAMPLE POT AND PRICE LIST
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C. C. POLLWORTH CO., MILWAUKEE, WIS.....
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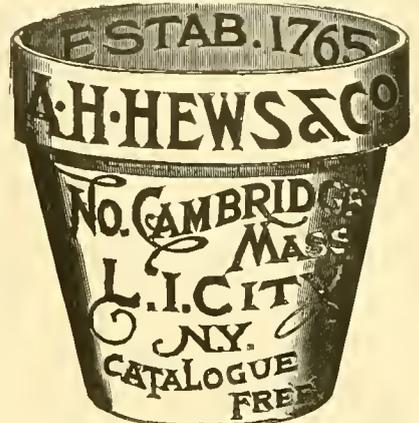
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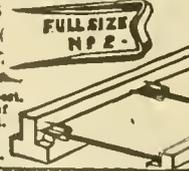
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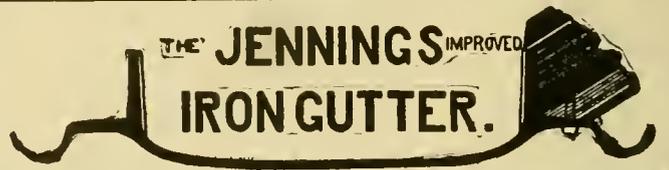
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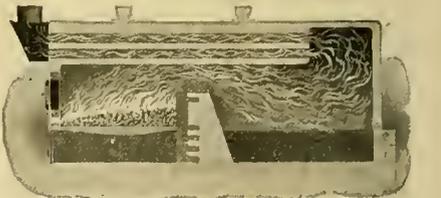
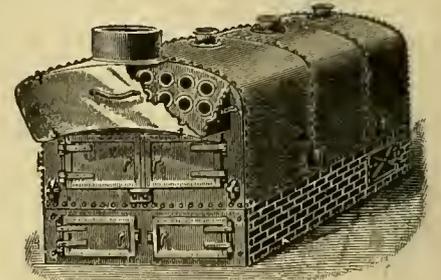
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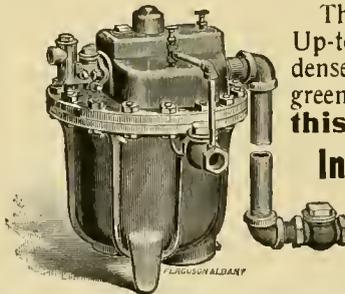
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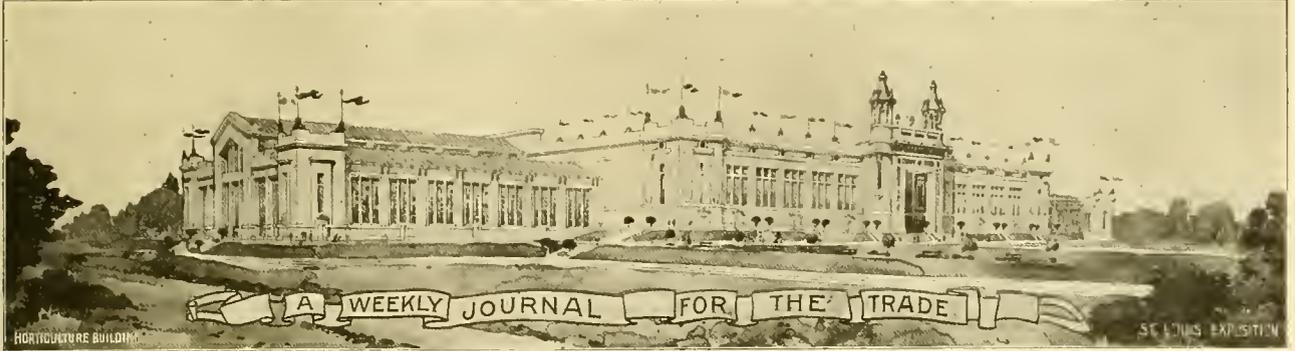
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THE AMERICAN FLORIST



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Vol. XXII.

CHICAGO AND NEW YORK, MAY 14, 1904.

No. 832.

THE AMERICAN FLORIST

NINETEENTH 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.

Annual meeting and exhibition, Boston, Mass., 1905. LEONARD BARRON, 136 Liberty St., New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1904. FRED H. LEMON, Richmond, Ind., secretary.

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PALMS AND FERNS.

The Treatment of Cycads.

The cycads are so frequently compiled with the palms in various plant lists that it may not be quite out of place to make some reference to them in these notes, even though these singular plants constitute a group of themselves. Apart from their decorative value the cycads have much interest from the fact that they seem to be a connecting link between the floras of the present and long past ages, there having been many different species of cycas, zamia and other genera of this family that have been identified and classified from specimens discovered in many parts of the world among fossil remains. Fossil cycads have been found plentifully not only in parts of Europe, but also in the western hemisphere from Greenland to Peru, which seems to carry out the contention of the geologists that there have been wonderful climatic changes in the former ages of our own country. But while the florists of the present age are not vitally interested in fossil cycads there are many of them who are more or less interested in the cycads of this time, the importations of dormant cycas stems usually being offered in large quantities at about this season of the year.

Many tons of the stems of *Cycas revoluta* are imported from Japan during the spring and early summer, the majority of these stems being in sizes from one to ten pounds weight in order to meet the demand for plants of moderate proportions and cost, while a much less number of the larger sizes are required to supply the trade in large specimens. In fact the importations seem to have exceeded the demand to some extent during the past two seasons, with the result that lower prices have prevailed for cycas plants. There have also been plants sold at times that were not in fit condition to be offered, a stem with a crown of soft young leaves that were just unfolded and little or no root system with which to support them. Naturally such a plant will not bear exposure or hardship without suffering, and many such that were distributed about the country soon lost their leaves and in many instances died outright, with the result that *Cycas revoluta* was frequently condemned as being useless when the fault really lay with the hasty grower or dealer.

As received from abroad the cycas stems have both leaves and roots cut off

short, and the first object of the grower should be to get root action, feeling assured that having obtained a good foundation in that respect he will soon have a reliable growth of leaves to follow, and by keeping the plants long enough for the foliage to get that firm feeling and dark glossy green that indicates a mature cycas leaf, he will have a trustworthy decorative plant and one that may be safely recommended to a customer. The stems should be potted into as small pots as they may be conveniently placed in, the soil rammed firmly, and consisting of a good stiff loam with a sprinkling of bone dust, and the plants put into a warm palm house or similar conditions, then syringed lightly two or three times a day and watered moderately. Plunging the pots in bottom heat is practiced by some growers, using either warm manure or hops as a medium for this purpose, this method forcing the growth more rapidly, but at the same time producing those very soft plants to which we have been objecting, and the practice of the writer has been not to use additional heating material, but rather to start the plants somewhat slower, thus allowing the root growth to keep up with the leaves and to produce a better balanced plant.

Shading is necessary as the young leaves unfold, they being very tender, and just at that time syringing should not be too vigorous or the foliage may be crippled, but after the leaves are fully grown and hardened there will be no danger from forcible syringing. *Cycas revoluta* is the only species from this genus that has been imported in large quantities, though there are several others that are highly ornamental and worthy of more extended use, among them being *C. circinalis* with longer leaves and more graceful habit, though possibly more tender. This species is possibly the largest in the genus, the leaves sometimes reaching a length of twelve feet, though as seen in cultivation is more often six to eight feet in length of frond, and forms a very decorative plant for conservatory or exhibition purposes. *C. media* is of rather similar general appearance to the foregoing, but is smaller in leaf and more rare in cultivation. *C. Siamensis* is occasionally seen in collections, there being seeds of this species offered at times by the large importing houses, and this too bears some resemblance to *C. circinalis*, but having leaves more often three to four feet in length. The foliage of the last named plant is said to stand more exposure than that of *C. circinalis*, but

seedling cycads are slow stock in reaching a marketable size, in consequence of which we are not likely to find much glass occupied by seedling *C. Siamensis* or any other species.

Some tree fern stems or trunks are imported each season, the largest among these being usually those of *Dicksonia antarctica*, some of these stems being ten or more feet in height and nearly one foot in diameter. These fern trunks are treated in much the same way as the cycads in being shipped here from Australia and New Zealand with foliage and roots both chopped off, but from the fact that these tree ferns emit roots up along the stem, there are usually more growing points by which to gain nourishment, and with reasonable care will soon take hold of the soil and make a new start. Moisture and moderate heat are the conditions most favorable for starting these fern stems, but one needs to be careful in watering until the roots have re-established themselves for neither tree fern nor any other dormant trunk should be surrounded by sodden and soured soil. This *dicksonia* is one of the hardiest of the plants of its class, and is found at such altitudes that it is not unusual to see the beautiful fronds of this fern weighted down with snow without serious injury to the plants. A few other fern trunks of less size are sent here each season, among them being some *alsophilas*, *cyatheas* and *hemitelias*, but these are much less frequent in appearance than are those of the *dicksonia*.

It is advisable to pot up the tree fern stems as soon as received, preferably using a lighter and more open compost than that suggested for cycads, the ferns being put in a shaded house with moderate heat, and kept syringed at short intervals during warm, dry weather. After the ferns have started they may be taken into a cooler and more airy greenhouse, for when kept too warm they are likely to suffer from the attacks of insects, thrips in particular, and more fresh air is also needed to aid the development of the foliage.

W. H. TAPLIN.

Phoenix Canariensis.

The Canary island date palm is perhaps the most largely used member of its family as a decorative plant for florists' use, but is also very extensively planted in the outdoor gardens of the more tropical portions of our country. Our illustration shows a most beautiful specimen of this palm growing in one of the famous gardens of Los Angeles, Cal., and is from a photograph for which the writer is indebted to Ernest Braunton, formerly of that city. The specimen in question shows a magnificent head of leaves proceeding from a short stem or trunk fully three feet in diameter, and when we take into consideration the fact that these feathery looking leaves are frequently ten to twelve feet in length we are impressed more fully with the idea that this is really a palm tree.

P. Canariensis has also been planted quite largely as a street tree in the cities and towns of southern California, and there are also many fine examples of this palm in and about New Orleans, while the people of Chicago may well be proud of a remarkably fine plant of this species that adorns the large palm house in Lincoln park. As a florists' palm *P. Canariensis* has been and still is cultivated in very large numbers both in Europe and in this country, the greater number of those grown in the former

being planted outdoors in the south of France, in which genial climate the young plants grow very rapidly.

These field grown plants are lifted when they have reached a marketable size, the soil shaken from the roots and the plants tied up into bundles, the roots being protected by a covering of damp moss. They are shipped to the Parisian and Belgian growers, who quickly re-establish them in pots by placing the newly potted phoenixes in a warm, moist and shaded greenhouse, giving them strong bottom heat until the roots have taken hold of the soil, and then distributing them among their customers. Many such plants as these have been exported to the United States in the last ten years or so, and some of them stand the journey very well, while others that have probably not been hardened off sufficiently before being shipped have suffered the loss of much of their foliage, and have been far from profitable to their American purchasers.

In Louisiana and also in California this phoenix often endures several degrees of frost without injury and it has proved



Anthony Cook.

one of the most satisfactory palms to place in a draughty hall or some public place where dust and a comparatively low temperature were among the drawbacks. Like most of the phoenixes the lower leaflets develop into, or rather degenerate into spines, the latter being the most objectionable feature about the plant, and sometimes causing a very sore wound.

W. H. TAPLIN.

Greenhouse Building.

Weathersfield, Conn.—S. M. Robbins, range of houses.

Berlin, Conn.—W. L. Atwater, one house.

Keene, N. H.—John P. Butler, range of houses contemplated.

Framingham, Mass.—S. J. Goddard, one house.

Mansfield, Mass.—F. J. Evans, house 25x125 feet.

Cliftondale, Mass.—Wm. Sim, house 30x360 feet.

Nahant, Mass.—Thomas Roland, two houses, each 15x150; cold storage shed, 30x150 feet.

Anthony Cook.

A picturesque figure in Baltimore, Md., is the dean of the gardening fraternity in active work, Anthony Cook (properly Koch) who in his eighty-seventh year may be found daily at the accustomed tasks he has followed for over seventy years. Born in Derkeim, in Rhinish Bavaria in 1818, he emigrated to this country in 1842, landing in Philadelphia and coming a year later to Baltimore. The son of a nurseryman and landscape gardener, he had learned the business and found employment in it for several years, working with some of the older florists, jobbing, etc., until by thrift and energy he secured a place of his own on what is now Carrollton avenue. From this he removed in 1858 to his present location, buying an acre of ground at the corner of Arlington avenue and Mulberry street. What was then almost the western limit of the city has become surrounded by dwellings and public institutions, but the old gentleman has kept up his steady routine of production and has sold no part of his property.

From the outset he made a specialty of outdoor roses, growing them in great quantities, importing every year new sorts from the growers of France and Germany, propagating them and distributing to the trade and at retail. Another feature was made of dwarf apples and pears, which were worked on the paradise and quince stocks, and brought into bearing at the age of three years. This was a novelty at this period and for a time took well. To the rose his soil and location must have been peculiarly well adapted, as many of the original rose plants first planted on his acquiring the place still survive in thrifty condition, including *Sidonia Weaver*, which he says was the first hybrid perpetual introduced into America, originating with M. Weaver, a rosarian of Chatenay, near Paris.

Mr. Cook began early to raise seedling roses—this not by any system of hybridizing but by indiscriminate sowing of seeds from the bushes in his grounds. Of course no record was or could be kept of the parentage of such seedlings, except to know from what plant the seed was gathered, the pollination being affected by the natural agency of the wind, the bees and other insects, but a great many were tested in his gardens and found to possess merit. Thus from a seedball of *Devoniensis* there were two accidental seedlings, one of which, *De Saundry*, of great promise, was soon lost, but the other, named after his daughter, *Cornelia Cook*, possessed many good qualities, passed into commerce, and before the advent of the *Bride* was the most useful white rose for forcing. It made a fine, large, pure white bud, with long stiff stems, and—remarkable in a tea rose—was almost thornless. At one time during its popularity buds of this rose are known to Mr. Cook to have sold in New York at \$2 each. Another of his fortuitous seedlings is the climbing rose *Charles Getz*, a most vigorous grower, making shoots at times of sixteen feet in a season, and producing an abundance of silvery pink flowers much resembling *La France*. It is a local favorite and known here as the *Climbing La France*.

Mr. Cook does not assent to the current belief that the *American Beauty* is identical with *Mme. Ferdinand Jamin*. His claim is that the *Beauty* originated in his garden. Here is his statement:

In one year he had planted about 900 seedling roses, produced in the indiscriminate



PHOENIX CANARIENSIS.

inate manner alluded to. Some of these showed value and were propagated, and one which proved to be a variety of fine form, color and substance, he named for his sister, Madame d' Appolinia. One of these roses, with others, was purchased by Mrs. Bancroft, a daughter of George Bancroft, the historian and rose-lover of the city of Washington. It was in the garden of that gentleman that Mr. Field, the well-known florist of the same city, saw the rose, and, believing it would force, took cuttings of it, and found his anticipations so fully realized that its introduction to commerce was early and profitable.

If Mr. Cook rendered this great, even if unpremeditated, service to the rose growers of the country it is but his due that the fact should be known. Whether the rose originated from the seed sown by his own fingers or was a stray Mme. F. Jamin, which found its way with other importations to his premises, the statement seems worthy of belief that the original plant which attracted the keen and intelligent notice of Mr. Field came from his garden.

This old gentleman not only works at the bench and in the garden daily, but reads and writes without the aid of glasses and is comparatively vigorous and well preserved in mind and body, interested in the trade and in the world around him and in the success of his descendants, who are florists to the third generation. S. B.

WASHINGTON, IA.—Elmer Keck has leased a greenhouse in Cedar Rapids,

Two Eastern Gardens.

Percival Roberts, Jr., Narberth, Pa., is greatly improving his country seat there. Wm. Tricker, the noted expert upon the cultivation of the water lily, and good all round gardener, is in charge of the place. They have a very fine range of greenhouses, which they are filling up with the newest and best of everything. An extensive Italian garden is being made and lots of outdoor planting is being done. This part of the work is under the charge of Thos. Meehan & Sons, Philadelphia. Mr. and Mrs. Roberts are horticultural enthusiasts and are sparing no expense in the creation of their new home. Under the management of Mr. Tricker we expect to see this one of the finest places in Pennsylvania.

The finest range of greenhouses that it has yet been our privilege to see has just been completed by the Pierson-Setton Company, Jersey City, for Dr. Ward, at Madison, N. J. They are not so extensive as many of the ranges that we daily come in contact with, but in their appointments and make-up they are the most up-to-date thing in greenhouse construction that we have yet seen. The new patent U-bar article has been used throughout. There is no gutter at the eaves. The glass used is 2x2 feet, and of the best quality. There is scarcely any shade by this means of construction, and when inside you hardly feel that you are under a roof at all. The benches are supported by iron purlins; the sides of the benches are made of polished slate, and the bottoms of the benches of tile. There isn't a

particle of wood used inside except the doors; nothing that can possibly decay, and with the exception of the sills nothing is exposed outside but wood and glass, so that heat and cold cannot react or coneract, as many imagine with this style of construction. The inside partitions are also made of brick or polished slate. The main heating pipes run under the center walks and the conduits are four feet wide and four feet high. The conduits can be entered from the boiler room so it is not necessary to tear up the floors when anything goes wrong with the heating system. In the propagating house two rows of pipes run close up against the tile bottom, and they can be regulated according as more or less bottom heat is needed. There are at present eight houses which are to be used for palms, ferns and flowering plants, but when the plan is completed there will also be fruit and vegetable houses.

Gardeners and proprietors alike have been attracted from far and near to view these "model greenhouses." It certainly is a costly erection, but with many of our eastern millionaire enthusiasts money is no object, and we may witness more of its kind soon. Dr. Ward is also greatly improving the grounds that surround his mansion and planting lots of shrubbery. Michael Doyle, lately gardener to Miss Maud Adams, has been placed in charge. We understand that he is an expert grower. The opportunity of his life is certainly given him here and we will no doubt hear more of Dr. Ward's place in the future.

THE TRAVELER.

Proposed New York Market.

For many years the plant and flower market men of the districts about New York city have been agitating and pressing their claims for an appropriate building in which to conduct their business. The demolition of the tumble-down buildings known as Clinton market left the plant dealers without any protection and since that time a big tent has been erected every spring as a temporary shelter. Our illustration shows the building which it is proposed to erect on plans drawn by

sell well if they have a flower on them for planting out, for there are many, especially around London, who like to see what they are planting, even though they have to pay rather a higher price for the plants. The varieties most suitable for early flowering are those usually described as belonging to the patens type, though some given under the lanuginosa and florida types may flower early and equally as well as those of patens. The fact that they are hybrids and difficult to separate or divide consistently may account for this, and those nearest to the

Lord Wolsley). Fair Rosamond, silvery grey with pink bar; Edith Jackman, white with a bluish shade; Duke of Edinburgh, deep purple, and Mrs. George Jackman are among the best of the older sorts for early work; and to these may be added the newer varieties, Marcel Moser and Nellie Moser. I think the last-named is the better of the two, the red band down the petals (or rather sepals) being more distinct. Miss Crawshaw, semi-double, bluish mauve and many others might be added. The double white, Lucie Lemoine, ought not to be omitted.

For later flowering, the Jackmani type flower well if strong plants are cut down and started early. The early sorts, which flower from the old wood, may make useful plants in one year, but two-year-old plants with as much wood in them as possible are better. They require very little warmth to start them, and if brought on gradually they are more satisfactory and last better than when given too much heat, and they come on almost as last under cool treatment.

World's Fair Notes.

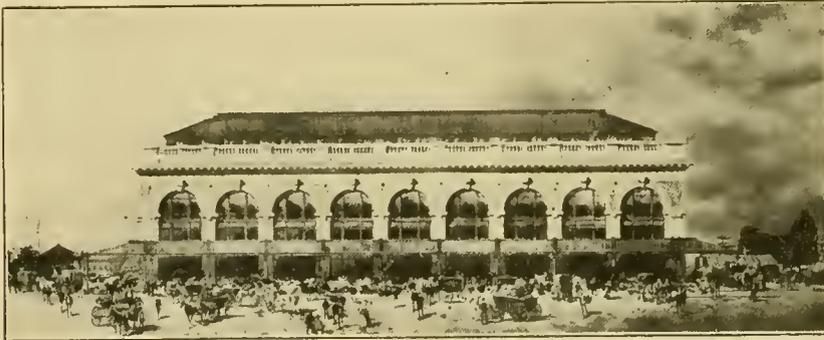
J. Steidel, Central, Mo., shipped for exhibition five vases of carnations. They were placed upon the tables May 2 and after eight days were as fresh as when opened. The varieties were Lawson, Estelle, Gov. Wolcott, Prosperity, Eucharistress and Harlowarden.

A. Cowee, Berlin, N. Y., has secured the center of the west wing of the Horticulture building for exhibiting his gladioli. It is being fitted up with a rustic pagoda in the middle, with an annular pyramid of shelves, fifty feet in diameter, for exhibition purposes.

The paid attendance the first week averaged but 10,000, but the admission on passes amounted to 12,000. The weather has been perfect and as the exhibits will soon be installed a large increase in the attendance is expected.

The Chicago Carnation Company, of eJolit, Ill., has made several large shipments of carnations. Some of the flowers came through in excellent condition. Marshall Field, Prosperity, Cardinal and Harlowarden were exceptionally fine.

Crisis, a seedling carnation from Davis Brothers Bloomsburg, Pa., and Pennsylvania, from the Carlisle Nursery Company, Carlisle, Pa., were placed on the tables April 30. They were delayed and damaged in transit.



THE PROPOSED NEW BUILDING OF THE NEW YORK FLOWER MARKET.

the city engineer. This spring a special effort has been made to enlist the earnest cooperation of a large number of florists with a view to convince the city authorities that there is sufficient support assured to pay an adequate rental for the proposed new quarters and should the result of the experiment prove satisfactory it is expected that work on the building will be begun at an early date, as the mayor, comptroller and property owners all favor it. The market florists have organized an association and will incorporate. They have made an offer for the first floor of the new building, and it is expected that the kindred trades will be enterprising enough to secure the second floor.

A Range at the Capital.

The accompanying illustrations show the range of Alex. B. Garden, Washington, D. C. In the illustration showing the outside view of greenhouses and residence, the east branch of the Potomac may be seen in the distance. The more common local name is the Anacostia river. There are about 40,000 feet of glass in this range, and roses, carnations and a general stock of pot and bedding plants are grown. Within the last two years three new houses have been erected and others rebuilt. American Beauty roses will be planted this year. Mr. Garden imports his azaleas and Dutch bulbs. His tulips were second to none in this market during the season just closed.

Clematises for Market.

As a pot plant in flower the clematis may not be quite the plant to grow in large quantities for ordinary market work yet, when well flowered, there are few plants that are more appreciated or make a better price compared with the cost of production, says a Horticultural Advertiser (English) correspondent. And from now (April 13) onwards until June there is a good market for them at a profitable price. And even those that fail to flower sufficiently well for decorative work will

true types may show decided characteristics. Taking the varieties, the two best whites are undoubtedly Mrs. Quilter and Miss Bateman. The last named has larger flowers, but they are so nearly alike that I believe one gets substituted for the other; at any rate, I have seen plants labeled Miss Bateman which I should have had no hesitation in naming Mrs. Quilter.

It is interesting to note that it is about twenty-five years ago that Miss Bateman gained a first-class certificate, and it still remains one of the most desirable we have. Albert Victor, which also gained a certificate at the same time, was one of the best seen in Mr. May's collection at the Drill Hall March 22; it is of a soft mauve or lavender, coming a little deeper in color when grown out of doors. Lord Londesborough, blue mauve; Sir Garnet Wolsley, deep purple with a plum red bar down petals (though the above is the proper name, it is sometimes labeled



GREENHOUSES AND RESIDENCE OF ALEX. B. GARDEN, WASHINGTON, D. C.



IVORY AND GOLDEN GATE ROSES AT ALEX. B. GARDEN'S, WASHINGTON, D. C.

The water garden east of the Agriculture building and the basin in the conservatory will be stocked with plants by Henry A. Dreer. He has already started the nymphæas in pots.

The planting of the beds is progressing rapidly. Five million bedding plants will be used. Pansies and English daisies have been used with good effect along the colonnade of states.

Great Britain has received a large shipment of fantastically trained yews. They came through in good condition and prove very attractive to the general public.

The heating plant for the conservatory is being installed. The mains are under the floor near the outer walls and ordinary loop radiators will be used.

The machinery and bell for the floral clock are in place and work has commenced on the preparation of the beds for the plants.

The California commission has furnished a car load of palms, oranges and bananas for decorative purposes.

Mexico is unpacking several cases of cacti and orchids and promises a car load in a few days.

Vaughan has sent from Chicago a number of large palms and rubber plants for the conservatory.

Michel, St. Louis, is showing a large number of very fine standard and pyramid bay trees.

Siebrecht, New York, has filled the east end of the conservatory with palms.

British Trade Topics.

Wells & Company, of the Earlswood Nurseries, Redhill, whose chrysanthemums have been exhibited in New York, are sending out several new varieties. Amongst the most notable are *Dora Stevens*, rosy cerise; *J. H. Doyle*, an Australian importation, of a terra cotta tint; *Mersthan Red*; *Mersthan Yellow*, similar to *Mrs. T. W. Pockett*; *Mrs. H. A. Allen*, rosy pink; *Mrs. J. A. Miller*, reddish terra cotta; *Mrs. W. Duckham*, deep golden yellow; *Mrs. Barnard Hankey*, mahogany bronze, similar in size and form to *C. H. Curtis*.

The leading firms of nurserymen are to the fore with a wide range of novelties.

Kelway & Sons, of Langport, who have the best strain of delphiniums in this country, have several attractive additions to their list. These are very popular for arranging in bold groups, the mass of brilliant tints having a striking effect. Amongst the varieties being sent out this season is *Sir George Newnes*, a semi-double of a cobalt blue color.

The high prices recently made at orchid sales on this side indicate that there is no decrease in the interest taken in this aristocratic member of the floral world. This week at Manchester a large collection was sold belonging to *J. C. Glover*, of *Blundellsands*. Twenty-nine guineas was paid for a *Cypripedium Lawrenceanum*, 20 guineas for a *Coelogyne pandurata*. The same price was paid for an *Odontoglossum crispum*.

R. Wallace & Company, *Kilnfield Gardens*, *Colchester*, have lately introduced *Lilium speciosum magnificum*. It is a dark colored variety of the *rubrum*

type, the large blossoms being of a rich ruby carmine color, distinctly edged with white, and from ten to twelve are produced on a spike. It bears some resemblance to the variety *Melpomene*, but it flowers earlier, and is of a superior form.

Blackmore & Langdon, of *Bath*, are noted as successful exhibitors of begonias at the leading shows. Their latest selections of this subject include *Countess of Warwick*, with shapely blooms of a rich orange color; *Avalanche*, a splendid double white; *Mrs. J. Chamberlain*, with finely formed blush-colored blossoms; *John Milburn*, dark rich crimson.

Sutton & Sons, of *Reading*, have several novelties, including a double hollyhock, *White Queen*, which is a companion to their *Rose Queen*. *Cinerarias* are a special feature at this establishment, and the large collection has been supplemented by *Sutton's Pink* and *Sutton's Light Blue*, which have been exhibited at the *Royal Horticultural society's* shows.

Webb & Sons, of *Stourbridge*, have a new stock, *Admiration*, which is likely to be in good demand. It has proved second to none in their seed trials. The blooms are of a delicate flesh color; the main spike grows about a foot in length, and with its numerous side shoots forms fine and effective trusses.

CAMDEN, N. J.—Max Baum will build a greenhouse 32x50 feet at 1633 Webster street.

LEADVILLE, COL.—Miss Nellie Smith has reopened the *Stockdorf conservatory* at 128 West Seventh street and will conduct a retail trade.

CARTHAGE, MO.—Steven Hyde has received the glass for two new greenhouses each 25x150 feet. This will give him 7,500 square feet more room under glass.

ERIE, PA.—S. Alfred Baur and Mabel A. Baur announce that they have disposed of their old greenhouses and old stock and that they are in a position to supply all lines of material at their new place, W. Twenty-sixth street and Brown avenue.



AZALEAS AND NARCISSI AT ALEX. B. GARDEN'S, WASHINGTON, D. C.

New York Horticulturists.

At the combined meeting of the Horticultural Society of New York and the Horticultural Section of the American Institute at the Botanical Garden on Wednesday afternoon, May 11, J. Horace McFarland of Harrisburg, Pa., gave a most interesting talk on "Some Common Trees and Their Uncommon Flowers," illustrated with stereopticon views. Mr. McFarland talked as only one who is deeply in love with his subject could talk, and had his audience in full sympathy with him, as was evinced by the frequent applause accorded him. The flowering time of the trees was the time selected for most of the tree views, and these were interspersed with enlarged illustrations of the buds and flowers in various stages of development. He disclaimed any critical knowledge from a scientific standpoint, and said that he only sought to excite interest and call more general attention to the common trees which we brush up against almost every day of our lives. He urged the need of awakening a sentiment for greater protection for the trees of the city, which are especially defenseless and which when lost are impossible of replacement in many years. Among the trees shown in their full stature and by their flowers and young foliage were the white swamp, Negundo, Norway, sugar and striped maples, which the lecturer averred would heat out for beauty all the little Japanese things that yards are adorned with. The American and slippery elms were shown in beautiful form and attention called to the vandalism and disease (the former the more dangerous) which threaten the existence of these, the most beautiful of all trees. Several birches and beeches were shown with their bloom. *Cornus florida*, the "flowering dogwood," and the Red Bud made striking pictures. Mr. McFarland told of the extreme beauty of these trees with their showy white or pink flowers in association with the heavy green of the junipers as seen in the Allegheny mountains in early spring, and entered a protest against the name of Judas tree as applied to the Red Bud or *Cercis Canadensis*. He contented himself with one species of *crataegus*, remarking upon the staggering array of *crataegus* that Prof. Sargent is engaged in identifying.

The oaks and their adaptability for general planting, the hickories, the willows and their graceful beauty, the white poplar and its extraordinary color effect, also its prestige as the only tree he ever saw that can get ahead of the tree butcher, the Carolina poplar, the horsechestnut and its gorgeous flowers, the sumachs, unappreciated but more worthy than some things brought from afar to border our tree plantations, the ailanthus, the pyruses, lindens, chestnuts, sycamores, ash and tulip trees were all successively shown, and the tulip tree was characterized as of the aristocracy of American trees and one which should be planted instead of so many poplars and maples for street shade as had been done at Washington. The witch hazel was shown as the one which "closes the year of tree delight." The lecturer received most enthusiastic applause when he arraigned the bill-board nuisance in spirited terms and predicted that the time was coming when the people would regard the placing of advertising boards within sight of parks and parkways as an arrogance that should be resented with a refusal to buy the goods thus advertised.

The usual display of plants was made in the exhibition hall. The greatest inter-

est centered around the \$50 prize for the "best horticultural novelty" and the incongruous entries competing therefor. The entries included a phyllocactus, two roses, a richardia and two ferns, and the surprise is that three men could be found with sufficient confidence in their own abilities to judge between objects with so little character in common. The award went to the triprimate variety of the Pierson fern which was shown in good form. Most of the other first prizes were awarded to Siebrecht & Son for crotons, palms, orchids, roses and collections in various classes. F. Weinberg won first with a fine collection of succulents and Siebrecht & Son received



A Striking Vase Arrangement.
(From Die Bindekunst.)

certificates for a set of very handsome seedling Rex begonias and for Killarney rose.

At the regular meeting Dr. Britton presided and the annual reports of the officers of the Horticultural Society of New York were presented by Secretary Barton, showing that the number of members is now 201 and that the balance in the treasury is \$925.86 and in the invested fund \$1,434.86. All the old officers were re-elected for another year excepting a few changes in the council. It was announced that there will be a series of visits during the summer to places of special horticultural interest, and that on June 8 and 9 there will be a rose and strawberry exhibition, in connection with which will be held the first annual exhibition of the American Peony Society.

BINGHAMPTON, N. Y.—Fire in the greenhouse of A. E. Fancher last Wednesday did damage amounting to about \$200.

BELLOWS FALLS, VT.—John P. Butler, of Keene, N. H., has bought of Henry W. Sabin a tract of land on the Saxtons river road, this side of Gageville, and will at once erect greenhouses and conduct a general florist's business.

THE RETAIL TRADE

RETAIL florists who handle seeds report an increased demand.

A Striking Vase Arrangement.

The accompanying illustration is taken from Die Bindekunst, Erfurt, and shows a pretty vase arrangement, the work of Paul Schwarzbach of Dresden, which was exhibited at the German Florists' and Gardeners' Society at Dresden. The vase is filled with *Odontoglossum Alexandræ* and Marechal Niel roses with *Asparagus plumosus nanus* and A. Sprengeri effectively used as trimming. Mr. Schwarzbach's decorative work belongs to a class of high order.

Memorial Day.

Memorial day in recent years has been taking on a broader significance. Not on the warrior's tomb alone, but on the last silent resting place of old and young alike, from all conditions of life, are the fragrant tributes of affection and sorrow strewn, and the observance of the day as an occasion of tender remembrance of departed kin and friends is rapidly growing general throughout the land.

Memorial day seems destined to become the great floral holiday and the florists' special opportunity. It is an occasion which the florist has wholly to himself. On all other days where the custom of giving has sway, souvenirs and trinkets of various kinds compete with the product of the florist for popular favor, but Memorial day is essentially his own. It should be his aim, therefore, to maintain and increase his prestige at this time and encourage by all available means the general use of cultivated flowers by providing them in abundance and acceptable quality and at prices within the reach of all, to the end that no demand shall go unsupplied.

The seasons are so variable that very few varieties of outdoor flowers can be reliably counted upon in any one year. That which is too late in blooming one year may be too early the next and it is indeed a rare season that does not bring serious disappointment on some garden bloom. Under glass control is easier, the grower gets his crop in at the minimum cost for heat, he can accept orders in advance with the certainty of filling them, and the experience of those who have given it an intelligent trial is that buyers are now more disposed to depend upon the greenhouse product for their main supply. In localities where the Memorial day idea has advanced most rapidly there are many ready to assert that this holiday already outstrips both Easter and Christmas, not alone in profit but in actual volume of business done.

Chicago.

The feature of this week's market which needs special emphasis is the hopeless glut in practically all lines of stock. Quantities upon quantities of flowers, all of fairly good quality, are anchored and apparently immovable at anything but ridiculous prices. The street men are taking ready advantage of the conditions and roses and carnations are practically given away. The spring-like weather has done its share toward bringing about the conditions, and it will require a few days of lower temperature to restore the quantity, quality and demand to anything like normal. The general quality of roses and carnations cannot

be said to be as high as an average, owing, doubtless, to the inroads of the warm weather. Much outdoor stock from the south has made its appearance. Gladioli, peonies and pansies are now to be counted as items. Ferns and smilax continue comparatively scarce and lilies are still coming in in good supply. Business has been quiet both in shipping and local retail circles, the conditions appearing more quiet because of the large heaps of stock upon which the demands seem to make no impression. The best red roses are the ones in demand and the higher grade carnations are not difficult to move, but outside of these it is take what you want and pay what you want.

The regular meeting of the Florists' Club was held Thursday evening, May 12, in the new quarters, which are a great improvement over the old. Routine business was transacted. President Rudd announced the following as committee on co-operation with the Horticultural Society of Chicago in holding exhibitions, etc.: J. C. Vaughan, C. L. Washburn, Nick Wietor, Leonard Kill and John Poehlmann. Mr. Rudd further announced that very satisfactory arrangements had been made for a place to hold the forthcoming fall exhibition, which will be held in the large dining rooms of the Auditorium hotel and the adjoining lecture halls of the Fine Arts Building on Michigan avenue. The preliminary prize list will be issued in a few days, and it is now believed that the exhibition will be held at the usual date, which is about the middle of November. Secretary Wienhoeber exhibited the club's new certificates, which were received with general favor.

Kroeschell Brothers Company is busy filling orders for boilers which have been booked through the season from growers and greenhouse men. Among many others the following will install the Kroeschell boiler this season: G. M. Thost, De Soto, Mo.; J. D. Robinson, Bloomington, Ill.; G. W. Pool, Gloversville, N. Y.; Wm. Geenen, Kimberly, Wis.; H. W. Brown, Danville, Va.; W. J. McCune, Dixon, Ill.; Schluraff Floral Company, Erie, Pa.; Wm. Slotthenke, Milwaukee, Wis.; Henry Baer, Peoria, Ill.; John Morgan, Hamilton, Ont.; Geo. W. Vreeland, Athenia, N. J.; Theo. E. Edwards, Bridgeton, N. J.; Warner Bros., Newtonville, N. Y.; Mrs. T. Allen, Bangor, Me.

Wietor Brothers have their planting out operations under good headway. Four hundred thousand carnation plants and twelve houses of American Beauty roses have been planted out so far. Among the improvements they will make this year is the addition of a 100 horsepower boiler and additional steam pipe. They report a good cutting trade.

The J. D. Thompson Carnation Company finished planting May 6, having put out 75,000 plants. One house, 30x300 feet, has been planted with Robert Craig, Gibson Beauty and Flamingo. This firm has so much belief in the superiority of Nelson Fisher that it has dropped Mrs. Lawson to make way for the former.

John Sinner has resigned the secretaryship and the office of manager of the Flower Growers' Market and Percy Jones has been elected as his successor. Mr. Sinner was given a vote of thanks by the directors of the company for his faithful services during the year and a half of his office.

Peter Reinberg last week commenced work on rebuilding a range of seventeen houses. He says that by putting in the iron gutters he will save enough space to

accommodate nearly two additional houses on the same ground.

The George Wittbold Company has been unusually busy with spring work and orders. They say it is a record breaking season in many respects.

The Clinton Falls Nursery Company, of Owatonna, Minn., has placed an order for the material for a greenhouse 30x200 feet, with A. Dietsch & Company.

George Muno and Miss Lizzie Hermes were married Tuesday. The groom is a son of John Muno and is well known in local florists' circles.

E. F. Winterson Company handled a limited number of *Caladium esculentum* bulbs last week. They were not difficult to market.

Breitmeyers' new rose was shown extensively in the wholesale houses this week and had a good reception everywhere.

Bassett & Washburn are cutting good stock in roses. They are also getting ready for a summer crop of Liberty.

E. C. Amling spent several days this week on the banks of sunny Lake Marie, with rod and reel.

A limited quantity of cape jasmine and arbutus was noted at C. W. McKellar's this week.

Henry Eischen, of Eischen Brothers, Duluth, Minn., was a visitor this week, with his bride, enroute to St. Louis.

A. L. Randall Company is showing nice outdoor lilac.

Among the visitors this week were C. Dallwig, Milwaukee, Wis.; T. E. Cashman, Owatonna, Minn.; Jas. Chacona, Milwaukee, Wis.; F. A. Conway, Indianapolis, Ind.; John Bertermann, Indianapolis, Ind.; H. B. Beatty, Pittsburg, Pa.

New York.

All kinds of flowers, regardless of grade, are a drug on the market; roses can be had at prices that would insult any grower to receive as returns. It can be said that there is no price because there are so many flowers to be had and so little demand, and large quantities are left over unsold.

Bedding plant night at the New York Florists' Club was eminently successful in the number and quality of the exhibits. To John Birnie much of the credit is due for unselfish, ardent work among his colleagues of the plant market in securing the display. The list of exhibitors included H. C. Steinhoff, John Birnie, B. Passler, Leach Brothers, Chas. Hunt, J. Tschupp & Co., Lehnig & Winnfeld, Hartmann & Wagenfuhr, Geo. Darsley, A. G. Schroeter, J. Pearson, John Lappe, H. Mende, Daly Brothers and George Frick, and the exhibits comprised pelargoniums, fuchsias, primulas, daisies, heliotropes, verbenas and similar material commonly classed as bedding stock. Steinhoff's Crimson Rambler and Magna Charta roses were commented on as exceedingly fine. Wm. J. Elliott, the plant auctioneer, gave a talk on the "Idiosyncracies of the Auction Business," characteristically witty and punctuated with outspoken personal comments such as auctioneers are prone to indulge in and are alone permitted to make with impunity. He met his match, however, in the first word of the title of his speech and tried to fall back for help on P. O'Mara, who never has any trouble with big words. A brief discussion followed in which many complimentary things were said of the material on exhibition and the essayist was presented with a vote of thanks which brought a beaming smile to the benign countenance of the

auctioneer. A vote of thanks was also given to Mr. Birnie in recognition of his services in the exhibition department. Progressive reports were presented by various committees. Announcement was made by the transportation committee that the rate of fare to the St. Louis convention would be \$23.25 for a fifteen day excursion ticket exclusive of sleeping car charges. John Birnie made an interesting speech in which he predicted that within a few years the plant trade of the metropolis would be carried on by commission men as is done in the cut flower trade, but he intimated facetiously that they must be of a different brand. A vote was passed asking the trade press to support the efforts now being made to secure the establishment of a permanent plant market for New York.

Frank Traendly, Jr., youngest child of President Frank Traendly of the New York Florists' Club, died on May 11, aged fifteen months. The event caused widespread sorrow in professional and trade circles, and the attendance of business friends and associates of Mr. Traendly at the funeral on Friday was very large. A large number of floral tributes of extraordinary beauty were sent by sympathizing friends.

Henri VanDerBom, of the firm of H. W. VanDerBom & Company, nurserymen, Oudenbosch, Holland, arrived this week on the Rotterdam. He will make an extensive trip in the United States and his address will be in care of McHutchison & Company, 218 Fulton street, New York.

NOTES.

The following new directors of the Cut Flower Exchange were elected at the meeting May 7: Charles Smith, Wm. C. Duncan, Frank Millang, Herman Maenner, John Schneider. Wm. Amos was re-elected president by the new board of directors.

John Dutcher, of Dutcher & Son, was married last Monday to one of Nyack's fair maidens. He is one of the popular men who do business on the floor of the Cut Flower Company.

John H. Taylor proposes to turn his Bayside property, 350 acres in extent, into a residence park and a number of fine buildings are already planned.

Kostonas, a new man in the fern business, has a branch store at 55 West Twenty-eighth street, under E. C. Horan's store.

Leading New York wholesalers will close at 6 p. m. beginning next Monday.

The eastern office of the AMERICAN FLORIST is now at 42 W. Twenty-eighth street.

P. J. K.

Philadelphia.

The lot of the flower hustler is not an enviable one these days, as, while the supply is ample, the demand is light, very light, and it is extremely difficult to sell out. This week lilac seems to have the call, and as it is now in full bloom outside it is seen in quantity everywhere and carnations and other table flowers have to suffer. American Beauty roses are now very plentiful; \$1.50 to \$2 per dozen is the outside price for the specials, and much of the stock is extra fine. Other roses are to be seen in large excess over the demand and the general average price must be very low. Sweet peas are now down to 50 cents per 100 with the exception of light lavender, which bring \$1.50. There were several small spurts to relieve the monotony, caused by the demands of some amateur light opera companies and school commencements, which latter are

just starting. Those who carry a line of bedding plants are busy with this class of work. Window boxes are quite in demand, there being a movement by the City Park association to encourage their use, and in some parts of the city they are much in evidence both on balconies and window ledges. The seed stores which also carry a general assortment of plants are just now in the midst of their spring rush and are working night and day to get their orders out. The H. F. Michell Company says it is the busiest year of its experience; every department is taxed to the utmost.

The H. A. Dreer Company, although working a largely augmented force, is six days behind, being fairly swamped with the great rush of business that is coming. The hope is that the stock will hold out so that the orders may all be filled even if a little late.

William C. Smith is building a row of dwelling houses. It is a business venture. West Philadelphia florists are being surrounded by dwellings very rapidly. They are going up in blocks of hundreds and whole squares are being covered at a time. There is now scarcely any ground left for planting out purposes and fields of carnations within the city limits will soon be a thing of the past.

Robert Craig & Son have just been awarded \$17,000 damages by the city in consequence of the widening of Fiftieth street, half the width of which was taken from their property.

Some of the retailers say pencils are all right, but they want something else, and suggest trading stamps as a drawing card. Who will be the first to take it up?

Eugene Bernheimer has the lavender sweet pea situation well in hand, and in consequence the price is, like the peas, very exclusive.

Ed. Reid is carrying some great Beauties with stems four to five feet long. K.

Boston.

The May exhibition at Horticultural Hall last Saturday was not particularly extensive but exceedingly good. The central feature was the calceolarias, of which there were two sets of six plants each, enormous specimens in 12-inch pots. The exhibitors were George F. Fabyan, George Stuart gardener, and E. A. Clark, W. A. Riggs gardener, who won first and second prizes respectively. Mr. Stuart was further in evidence with a superb set of fancy pelargoniums which occupied the front of the stage and won a first class certificate. The varieties represented were Mabel, Lady Duff, H. M. Stanley, Admiration, Mrs. Ashley and May Queen. Nothing finer in its class has been seen here in many years than the display of spring garden flowers from the Harvard botanic garden, Robert Cameron gardener. It was very comprehensive and each variety was fully labeled. A rare sight was the group of three fine specimens of *Aucuba japonica foemelia* loaded with scarlet fruit from Walter Hunnewell, T. D. Hatfield gardener. A cultural certificate was awarded to Mr. Hatfield. L. E. Small again showed his white carnation seedling No. 3, and in such good form as to win a first class certificate. In stem and calyx development this carnation is pretty near perfection. Two striking and distinct specimens of *Lælia Latona*, bearing large spikes of flowers were exhibited by J. E. Rothwell, Emil Johanssohn gardener. This is a cross between *L. cinnabarina* and *L. purpurata*. The individual flowers are almost as large as those of

purpurata, while the orange vermilion color of *cinnabarina* is perpetuated in a somewhat subdued tint. The lip is dark crimson. This exhibit received a first class certificate. There were some pansies from Mrs. Gill and J. B. Shurtleff and promiscuous displays of tulips, wild flowers, etc., from various contributors.

At the next meeting of the Gardeners' and Florists' Club, on Tuesday evening, May 17, Carl Blomberg will read a paper on the subject of Alpine plants. Mr. Blomberg is a very enthusiastic botanist and cultivator of hardy plants and will, no doubt, prove a very interesting talker on this occasion.

E. N. Peirce is just recovering from a two months' siege of rheumatism which has confined him to the house most of the time since the Detroit carnation meeting. He has been informed by the "oracle" that it was all a punishment for that "skunkskin" outbreak at the Detroit banquet.

Boston Market carnation has enjoyed a remarkable sale this spring for which the cutting growers were unprepared. This is a good evidence of the popularity of the "bread and butter" varieties as soon as they have demonstrated their standing in this class.

The confirmation of Wm. Doogue as superintendent of public grounds has been held up in the board of aldermen, and a vigorous campaign is being made for the position by John B. Reardon, who was an unsuccessful candidate several years ago.

E. J. Fancourt has been in town looking after the interests of S. S. Pennock. W. J. Eldering, of Overeen, Holland, is to arrive this week. Another distinguished foreign visitor was H. J. Elweis, who came from England on the *Ivernia* last week.

Baltimore.

Last week's business was fair as to volume, with the seasonable and inevitable downward tendency of prices, and the stocks on hand at its end were closed out by liberal concessions on figures, but the present seems to have reached the acme of dullness. At this writing, May 10, the Florists' Exchange is loaded up with all sorts and conditions of flowers, with few buyers: the street men are wary of purchasing in heavy lots in the face of the large receipts of outside flowers, lilacs, narcissi and valley, coming in in great quantities from every quarter of the compass. Our Philadelphia friends are aiding in maintaining the plethora by shipments of very good blooms, which, peddled around, are sold at what must seem to the grower, when he gets his returns, ridiculously low prices. The quality of the offerings keeps above the average at this season, and so far not much mildew is in evidence. Pretty steady firing is still a necessity.

The weather is variable, some days giving choice of several seasons. There have been good showers, although their distribution was uneven, but outdoor work goes along at about its accustomed pace. Notwithstanding fears to the contrary, there has been a great deal of planting done and some of our nurseries have turned down orders. Wm. J. Corse, whose firm is one of the oldest in this section, says he never had a better season. Everything is backward, however, but a few days of hot sun will bring vegetation up to the average.

Bedding stock is not as active as dealers would like and the market men profess

not to be pleased with the conditions of business.

The Gardeners' Club at its meeting Monday night put itself on record as favoring the following selection of twelve roses as the best for the garden:

Kaiserin,	La France.
Hermosa,	Etoile de Lyon,
Jacqueminot,	Dinsmore,
American Beauty,	Paul Neron,
Glothilde Soupert,	Meteor.
Maman Cochet, white and pink.	

For climbing or pillar roses the following were recommended:

Crimson Rambler,	Reine Marie Henriette,
Hiawatha,	Baltimore Belle,
Climbing Meteor,	Climbing Malmaison,
White Microphylla.	

And the following were favored as the best six geraniums for general garden culture:

S. A. Nutt,	Centaur,
Alphonse Ricard,	Jean Viaud,
Mrs. E. G. Hill,	La Favorite.

Solomon Uhfelder, a young Hebrew street flower vender, who for a dozen years, since early boyhood, has frequented the banks and office buildings in the financial district, has at last reached the dignity of a store, locating himself at 428 Robert street, opposite the Madison avenue synagogue. Those who know his industry and energy are willing to wager on his success.

Cook Brothers, Edmundson avenue, make a specialty of hydrangeas, which they do in fine style, finding customers for their heavy specimens amongst the hotels, notably the Hotel Joyce, which, following more than others the fashion of advanced cities, uses this showy plant in quantity to decorate its handsome and admirably kept apartments.

Rose Papa Gontier, usually considered a back number in this latitude, will have a revival here this season at the hands of Stevenson Brothers, a firm of young, energetic and progressive gardeners, who are making a success of their place near Govans, and who will plant the variety in some quantity to meet the demand for red flowers in winter.

The Leach Insecticide Company, which was a heavy loser in the recent big fire, having its entire plant with large stock of merchandise entirely wiped out, is again in active operation with a plant complete in every respect. S. B.

St. Louis.

Business has been dull in cut flower lines the last week but plantsmen report an increased demand for plants and a tendency toward more diversity than is common. Persons who never had flowers in their gardens before are buying this year. The natural result is a general stiffening of prices. The geranium takes the lead in popularity. In fact more geraniums are sold in this city than all the other bedding plants put together. They retail at \$1 per dozen for 3-inch pot plants. Planting out of the hardier bedding plants is now in full swing but it is still early for tender plants as we never feel safe from frost until May 15. There has been a general slump in cut flower prices. The carnations coming to this market now are fine in point of stem but are beginning to show the effects of the warm weather both in substance and color, the pink ones especially being the first to show the sun bleaching. This is accounted for by the fact that some growers have not shaded yet and with others the frequent rains wash some of the shading off and the temptation is to leave it off a day or two until we get time. This hardly pays.

The souvenir programme for the S. A.

F. convention is well under way. It is to be a handsome publication. Advertising matter is coming in daily. The book will be in the hands of the printer by June 15 and will be sent out not later than July 15. There are to be one hundred pages and among other good things it will contain a map of St. Louis showing how to reach the convention hall from any part of the city and a comprehensive map of the World's Fair.

Miss Laura Lanto, for the last eight years with the Riessen Floral Company, left last Saturday and is now working for the Planters Hotel.

There will be two applicants for membership to our club at the next meeting—Paul Roper and G. M. Kellogg, of Pleasant Hill, Mo.

A visit to the Michel Plant and Bulb Company found everything in apple-pie order and all hands too busy to talk.

The old Court House square is being resodded and trimmed with a hedge of California privet.

C. E. DeWever, representing Vaughan's Seed Store, is in town calling on the trade.

W. A. Chalfant, of Springfield, Ill., was in town this week on his way to Cincinnati.

J. F. Ammann has gone on a trip to Springfield, Ill. J. W. D.

Washington, D. C.

With a week of sunshine and showers that would bring bloom on anything in the order of blooming plants, it is not worth while to write about prices. If the great amount of good stock in the stores is not a bonanza to the proprietors, it is, at least, a delight to the eye. There are extra fine displays of American Beauty and other roses, carnations, purple lilacs and all the other flowers that are due at this season. There was a well attended meeting of the Florists' Club on the evening of May 4, and an election of officers, the following named being chosen: President, Wm. F. Gude; vice-president, Fred H. Kramer; secretary, Peter Bisset; treasurer, W. H. Ernest. A large number of new members were admitted and considerable enthusiasm was displayed in addresses by both new and old members. There is now no doubt about the club having come to stay.

On May 5, President Roosevelt personally inspected the site of the proposed new building of the Agricultural department and decided that the location of the structure should conform to the vista or parkway scheme for the improvement of the mall as outlined in the Newlands bill. The dispute is now settled. The new building will be erected on the side of the vista, thus leaving a clear space of 890 feet the center line being from the center of the capital to the centre of the monument. S. E.

Pittsburg.

Business improved somewhat this week, and we look for a continued improvement during the month. The weather, too, has greatly improved, and the result is that the early blossoms and outdoor flowers that have been retarded have come in seemingly greater quantities and with additional beauty. Bedding stock is moving out in nice order and outdoor planting is at its height. Rare stock is in fairly good shape, quantities of Beauties are to be had and carnations are plentiful and as fine as they have been for some time past.

The Pittsburg Florists' Exchange is now open for business at its new place in Diamond street, which is attractive and roomy.

W. C. Beckert's is about the busiest place in the two cities. The demand for seeds and other staples is very satisfactory.

E. J. Perry, of Greensburg, Pa., reports business good. He had had a big demand for carnations during the week.

George Shower, of Connellsville, Pa., had an order on May 4 which called for 5,000 assorted roses.

Phil Langhans is getting his fishing instruments in shape to worry the fish in Lake Chautauqua.

The Pittsburg Rose and Carnation Company is now cutting special Kaisers.

Harry Graves has returned to work after a bad attack of rheumatism.

Mrs. B. A. Williams is cutting some fine Harrisii lilies.

Otto Reisch, of Beloit, O., was a recent visitor. E. L. M.

Cleveland.

Business for the last week has been at low ebb. Everything in the flower line has been a glut. The stores are having bargain sales every day, one of the leading retail stores selling roses as low as ten cents per dozen retail. Carnations, which were somewhat scarce a couple of weeks ago, can now be had in quantity at the buyers' own figure. The weather has warmed up considerably and outside planting is being rushed. More carnations than ever are being planted this season. Quite a good deal of outside stock has suffered from the severe winter just passed. Roses and shrubs seem to have been affected the most.

The florists of West park are much elated over the fact that city water is about to be introduced into the village, the supply to be derived from Cleveland. The location could not be much better for florists and a building boom is expected. The city has promised a pressure of forty pounds.

The plant men are having troubles of their own. Owing to the weather the sales so far have been poor. Stock in the houses is becoming overcrowded. Carnation planting is almost a month late. If very warm, dry weather should set in now the result will be a serious set back for early housing.

The free seed distribution among the school children this year has been larger than usual. What a farce this free seed business is anyway!

The effects of the defunct Grant Wilson Company, on Prospect street, are being sold by the receiver, the local florists getting first choice.

The Wilhelmy Company has commenced operations on its new plant and the building will be pushed along as fast as possible.

Another new store has started on Euclid avenue. This time it is McGinnis & Company. We wish them the best of success.

The beds in the public parks are a grand sight just now with tulips and hyacinths, those in the public square particularly so.

ECHO.

Newport, R. I.

For a week it has been warm and pleasant, and at last it does seem that we are to have some growing weather; planting has become general. Shrubs and trees are budding, lawns becoming green and things look like spring indeed.

Now that it is time for hardy stock to be starting, the damage of last winter is very apparent. Roses seem to have suffered more than anything else; one bed of twenty-five hybrid perpetuals has only six plants left alive in it, and so it goes.

The California privet hedges as a rule have wintered fairly well; some few are in bad shape. But as a whole much less damage has been done to shrubbery generally than was at first supposed. The seed stores are at their busiest, and it will not be long now before things outdoors look about as usual. The summer colony seems to be coming earlier than ever, already many of the places on the avenue have been opened for the season.

John T. Allen, head gardener to J. R. Drexel, has been awarded by the Newport Horticultural Society a silver medal for a seedling begonia. It is of the Begonia Vernon type, but unlike the Vernon in that the flowers are double and of a most beautiful cerise pink. Being very dwarf it has every appearance of being a most desirable acquisition, not only for bedding but also for summer flower dishes for table decoration, as it is in its best bloom during the warm weather.

John Scott, of Brooklyn, N. Y., has been here and is enthusiastic over his new fern. Our best gardeners who have seen it are very much pleased with it and predict for it a brilliant future. Mr. Scott has promised to exhibit some of his best specimens at our coming shows, so we may have an opportunity to examine it closely.

A silver medal has been awarded to Charles H. Stark by the Newport Horticultural Society for a beautiful specimen of *Cattleya intermedia* superba. The plant had forty spikes of bloom, and showed clearly the skill of the grower. Mr. Stark is the head gardener for Mrs. George W. Collord.

The distribution of government flower seeds in the schools has taken place; but apparently there was not enough in the 1200 packages to go around among those who would promise to plant the seed and report the results of their attempt at gardening.

The first cuttings of rhubarb were made May 2 and asparagus May 3. This year rhubarb sold for 5 cents wholesale and 8 cents per pound retail on its appearance. Asparagus started at 23 cents per pound to dealers and 35 cents to consumers.

A visit to Thomas Galvin's shows a house of large and well grown rubber plants which he is selling to the trade at \$18 per dozen. He is also well stocked with geraniums of all the standard sorts, some very choice vincas and other bedding plants.

Last Saturday evening from 7:30 to 10 o'clock the George A. Weaver Company gave a gramophone concert at its big store on Broadway. It proved a drawing card as the store was crowded.

John H. Cox, formerly seedsman for the George A. Weaver Company, who has been ill for some time, is now quite recovered and will sail for his home in England this week.

The Scotch gardeners and their friends had a dance on Tuesday last at Southwick's hall. Refreshments were served and bag-pipe music was enjoyed.

There is a splendid bed of pansies in full bloom at Winthrop Chanler's estate, grown by William Postings, the head gardener.

The Shady Hill Nursery Company, of Boston, Mass., has been doing considerable ornamental planting here this spring.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
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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.

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

The eastern office of the American
Florist is now at 42 W. Twenty-eighth
street, New York.

We are in receipt of the fifteenth annual
report of the Missouri Botanic Garden.

An extensive strike in the Belgium
window glass trade has been announced,
with the result that prices are firmer.

If orange trees are desired to give a
continuous succession of flowers for cut-
ting they should not be allowed to set
fruit.

We have received a number of photo-
graphs recently without identification
marks. The senders of photographs in
all cases should give their names and
addresses on each package of pictures.
All those who have forwarded such
pictures recently without names and
addresses will oblige by supplying same
as soon as convenient.

Carnation Peerless Discarded.

ED. AM. FLORIST:—Having given Carna-
tion Peerless careful trial under the
most favorable conditions, we wish to
advise you and the trade in general that
we have come to the conclusion that it is
not up to present day standards and
that we have decided to discard it com-
pletely.

J. D. THOMPSON CARNATION CO.
Joliet, Ill., May 7, 1904.

Growing Freesias.

Allow the pots (4-inch) to dry off
under the bench undisturbed. Let them
remain until the end of August and then
repot without manure of any kind. Give
them one thorough watering and leave
them in an open cool house near dull
glass for three weeks without further
watering, then water as needed. Stake
the growing plants so that they have no
chance to lop over but put all their effort
into upright growth. The result will be
stems two feet long with plenty of flowers.

Again the Rose Society.

It is somewhat painful to me to see my
criticism of the rose society taken as a
criticism personally, of its members. It
is not necessary for Mr. Montgomery to
give any evidence as to the democracy
and good fellowship of the Boston
florists. I have carried in mind for many
years a most grateful remembrance of the
kind hospitality experienced at my one
visit to that city. Neither is it necessary
for Mr. Hill to defend the gentlemen who

have given their time and pecuniary sup-
port to the rose society. They are indi-
vidually respected and honored among
all in the trade, and rightly so.

Why do not Mr. Montgomery and Mr.
Hill answer the criticisms which were
actually made? I suppose it to be because
they are true and cannot be answered.
Are either of the gentlemen prepared to
deny that an impression that the rose
society is not democratic, exists among
many of the rank and file of the trade?
Whether this impression is true or
unfounded has nothing to do with the
case. The vital fact is, that it does exist
and that it is harmful to the society.

Can they deny that the "easternizing"
of the society and its governing body has
alienated a large part of the trade?

Will either one of the gentlemen say
that John Smith of Kalamazoo or Wm.
Jones of Oshkosh would have been repaid
for his expenditure of time and money in
attending the last meeting? If so, then
the trade press has misrepresented the
facts.

The commercial florist of to-day is not
a "true lover" of the rose but a true
lover of the dollars he makes out of it.
He does not give a "hoot" for hardy roses,
with the exception of a very few varieties,
and cannot understand why the rose
meeting is set for a date when it is diffi-
cult or impossible for him to leave his
business in order that this class of roses
in which he is not commercially inter-
ested may be exhibited.

The rose society must change its meth-
ods and live down the mistakes of the
past or else it will pass into the category
of the things which have been but are
not.

I will send the membership fee to the
secretary of the rose society as requested
and feel sure that if earnest, faithful work
will bring about a better state of things
Mr. Montgomery is the man of men for
his present position.

W. N. RUDD.

Catalogues Received.

Fred'k W. Kelsey, New York, trees and
shrubs; Leesley Brothers, Chicago, nur-
sery stock; Wilhelm Pfitzer, Stuttgart,
Germany, seeds and plants; J. D. Thomp-
son Carnation Company, Joliet, Ill.,
rooted cuttings; K. Van Bourgondien &
Sons, Hillegom, Holland, Dutch bulbs
and plants; Ellwanger & Barry, Roches-
ter, N. Y., nursery stock; Harlan P. Kel-
sey, Boston, Mass., nursery stock; W.
Van Kleef & Sons, Boskoop, Holland,
nursery stock; The Conard & Jones Com-
pany, West Grove, Pa., roses, cannas
and plants; John Fay Kennell, Rochester,
N. Y., gladiolus; Western Seed & Irriga-
tion Company, Fremont, Neb., vegeta-
ble seeds; Thaddeus N. Yates & Company,
Philadelphia, Pa., nursery stock; James
Carter & Company, Holborn, London,
Eng., seeds; W. P. Peacock, Atco, N. J.,
dahlias and carnations; W. B. Hartland
& Sons, Cork, Ire., seeds; Sutton & Sons,
Reading, Eng., seeds, plants, bulbs, etc.;
F. W. Green, Flatbush, N. Y., flower
holder; J. Kingsmill, Sharow, Ripon,
Eng., new daffodils; J. Staer & Son,
South Hornsby, New South Wales, Aus-
tralia, tree and shrub seeds; Francis Fer-
guson, Double Bay, Sidney, N. S. W.,
Australia, palm seeds; Dormant Sod
Company, Chicago, dormant sod; Samuel
C. Moon, Morrisville, Pa., nursery stock;
West Michigan Nurseries, Benton Har-
bor, Mich., fruit and ornamental trees;
W. E. Beaudry, landscape architect,
Chicago, nursery stock; Peterson Nur-
sery, Chicago, nursery stock; Walker &
Pratt Manufacturing Company, Boston,

Mass., boilers; Bay State Nurseries,
North Abington, Mass., nursery stock;
P. Loef Az & Company, Boskoop, Hol-
land, nursery stock; Evans Seed Com-
pany, Inc., West Branch, Mich., seeds;
Isaac Hicks & Son, Westbury Station,
N. Y., nursery stock and tree-movers;
Webster Brothers, Hamilton, Can.,
plants, hardy perennials, etc.; H. Carnell
& Sons, Swanley, Kent, Eng., plants,
seeds, etc.; Peter Henderson & Company,
implements, fertilizers, etc.; Livingston
Seed Company, Columbus, O., seeds;
Heinrich Henkel, Darmstadt, Germany,
plants.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 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 as working foreman; age 34;
married; 16 years' experience. State wages.
M B, care American Florist.

Situation Wanted—By carnation grower, pro-
ducer of fine commercial stock and experienced in
having full control; age 30. Address
CARNATION GROWER, care American Florist.

Situation Wanted—By a sober, industrious
florist; married. 15 years' experience in pot and
floral culture. Capable of taking care of a
small commercial or private place. References.
H W, care American Florist.

Situation Wanted—An experienced steam fitter
with all necessary tools for large or small jobs
desires work of this character; either steam or
hot water. Address STEAM FITTER,
care Joseph Kift & Son, 1725 Chestnut St.,
Philadelphia, Pa.

Situation Wanted—By German, single, 30 years,
2 years with leading rose grower in this country,
wishes steady position to take charge of section,
in an up-to-date establishment. Please state
particulars, wages, etc. Address
B P, care American Florist.

Situation Wanted—Expert rose grower is open
to engagement where a foreman of the highest
qualifications is needed. Place of 75,000 or more
feet of glass wanted. His specialty is high grade
cut blooms. Address
SPECIALIST, care American Florist.

Help Wanted—At once, a good carnation
grower. Steady work. Western man preferred.
COLFAX AVE. FLORAL CO., Denver, Col.

Help Wanted—A competent man to grow roses,
carnations and general stock. Must have best of
reference. Good wages. Address
O S, care American Florist.

Help Wanted—Three or four men as helpers
for rose and carnation houses; must have experi-
ence. Address
J. M. GASSER Co., Rocky River, O.

Help Wanted—A florist at once on a small place
to grow carnations and general stock. State
wages, with room and board. Address
O. BAUMANN, 469 Water St., Manistee, Mich.

Help Wanted—Gardener on private place; one
with energy and good habits, who thoroughly
understands the business. Address with particu-
lars, references, wages, etc.,
Box 40, Mt. Airy, O.

Help Wanted—Gentlemen with some experience
in the seed business to work on the road and in
busy season of the year to work in the house.
Steady employment and chance for advancement.
A Z, care American Florist.

Help Wanted—At once, a young all-around
greenhouse man; none but sober and steady man
takes interest in his work. Address
OTTO KLINGBELL, Davenport, Iowa.

Help Wanted—At once; for new range of green-
houses, a young man with experience in roses
and carnations. Wages \$10.00 per week to start
with excellent chance for advancement. Liberal
treatment. Give references and particulars in
first letter. Address Greenhouse Dept.,
CLINTON FALLS NURSERY CO., Owatonna, Minn.

Help Wanted—Working foreman to take charge of about 35,000 square feet of glass where roses and carnations are grown for cut flowers; must be up-to-date grower. My place is ten miles out of Pittsburg, Pa. Please state wages expected, with board and washing; also state age and how soon you can come. Also want an assistant florist.
JOHN L. WYLAND, DeHaven, Pa.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references.
FRED J. KING, Ottawa, Ill.

For Sale—Bargain. Glass, bars, pipe and heater from house; little used. Address
E. H. ALDERMAN, Middlefield, Mass.

For Sale—One 20 H. P. tubular boiler in prime condition. Address
C. L. VAN METER, Monticello, Iowa.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale or Rent—Florists' establishment of 10,000 feet of glass. Heated by steam, everything complete and well stocked. With 2 acres or more of ground. Frame house, 6 miles from center of Philadelphia.
DAVID BEARN, Bala, Pa.

For Sale—An elegant greenhouse plant of 20 lots, 40,000 square feet of glass. Modern in every way, all new. A ready market; cannot supply the demand. In a thriving city in Colorado. Will sell reasonably if sold at once. Address
W W, care American Florist.

For Sale—Having decided to change to steam, we offer one No. 1 Kroeschell, 7 years old, new flues and head one year ago, one No. 3 Kroeschell boiler almost new, one Phelps Ideal hot water heater—a good, cheap heater to put in for safety; six 4-inch gate and angle valves, six 2½-inch gate valves, a large number of 4-inch and 3½-inch screw fittings—all good as new and at half price. Also three closed expansion steel tanks with safety and air valves. Address
JOSEPH BANCROFT & SON, Cedar Falls, Iowa.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address
SAMUEL J. BUNTING, Elmwood Ave.
and 58th St., Philadelphia, Pa.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 20 lots, fine dwelling, wagons, etc; modern, up-to-date, all new; ready market; cannot supply the demand. Fine retail trade in a thriving city in Colorado; have other business. Will sell reasonably if sold at once. Address
W W, care American Florist.

For Sale—Twelve greenhouses with about 25,000 square feet of glass on 1¼ acres of land, six of which were built last year. Heated with steam. Situated about 14 miles from Pittsburg, five minutes' walk from railroad station. Will sell cheap if sold at once. Address
FLORIST,
Box 84, Station A, Pittsburg, Pa.

For Sale—Well established florist business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. For particulars address
FRANK M. PAINE, Traverse City, Mich.

For Sale—A flower, seed and nursery business, in a city of 100,000 inhabitants; good location. Purchaser will have his money returned in short time out of a good trade of a 20 years' established business. Reason for selling, owner has another business and cannot attend to two. Address
J. SEULBERGER, 414 14th St., Oakland, Cal.

For Sale or Rent—A good paying place in the heart of a thriving Iowa city of 10,000 inhabitants. Must sell on account of poor health. 5000 feet of glass, 3 acres good land, 2 blocks from main street; fine well and city water; windmill and 100 bbl. tank; 40 h. p. boiler; coal house, potting room. Only one other greenhouse in town and output far below the demand. Two dwelling houses connected; Iowa Central switch track passes garden and coal house; long distance phone and other conveniences. A tilted opportunity. \$3,000.00 cash or \$4,000.00 in reasonable payments. Address
K M Y, care American Florist.

For Sale CHICAGO FLORIST'S STORE

On south side in center of fashionable district. Business established in 1894. Nursery business in connection. Poor health reason for selling. Price very reasonable to cash buyer.

A X Y, care American Florist.

GREAT BARGAIN.

LITTLE MONEY. Greenhouses, stocked with Asparagus and Smilax. Good dwelling, first-class steam plant, 4 acres of land, near New York. Am compelled to dispose of it. Very little cash required. Unusual opportunity to the right man, as every inducement will be offered. Address

H. H. TODD, care New Rochelle Coal and Lumber Co., New Rochelle, N. Y.

FOR SALE OR RENT.

Largest Greenhouse Plant

in city of 100,000; about 26,000 square feet of glass. Very attractive proposition to a first-class commercial grower with sufficient capital to stock and run the place. Address

E. I. BARNETT, Reading, Pa.

FOREMAN WANTED

FOR 45,000 SQUARE FEET OF GLASS.

Must be first-class rose and American Beauty grower. Also carnations and lilies.

A B, care American Florist.

Wanted.

Position as foreman by up-to-date rose and carnation grower. Beauties a specialty. Open for engagement after May 15th. Address

Rose Grower, care American Florist.

FLORISTS' AMERICAN EXCHANGE

Greenhouse Property For Sale.

ALL PRICES. ALL SIZES. ALL DESIRABLE.

ALL PARTS OF THE COUNTRY.

Some of these will rent to a prospective purchaser. Affording ample opportunity for inspection and calculation. We charge nothing for information. Keep us busy answering inquiries and we will have your grateful support. We are sure of it and you will be the most benefited.

BOILERS. We are fairly well supplied with them. If you are in need of one or more, write us for a list and prices. We are short of **PIPE** but can save you money on Boilers.

We Are Surprised

at the number of requests which come in for the two good men we mentioned last week. Sorry we haven't enough to go around. Would like to learn of at least a dozen really good growers that we may accommodate some friends who are in need of such.

The Right Kind of a Man

is what we are looking for. There are now about one hundred required to take hold of the various offerings we have listed. **If you know of one**, please send us his address. Our customers are in need of him.

MAKE YOUR WANTS KNOWN TO

C. B. WHITNALL,
care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt,
WHOLESALE
Cut Flowers
 "THE OLD RELIABLE."
 76 Wabash Ave.,CHICAGO.
Wholesale Flower Markets

MILWAUKEE, May. 12.

Roses, Beauty, long per doz.	3.00@4.00
" " med.	1.50@ 2 00
" " short	4.00@ 8.00
" " Bride, Bridesmaids	4.00@ 6.00
" " Meteor, Golden Gate	4.00@ 6.00
" " Perle	4.00@ 6.00
Carnations	2.00@ 4.00
Smilax	18.00@20.00
Asparagus	35.00@50.00
Violets	1.00
Valley	2.00@ 3.00
Tulips	2.00@ 3.00
Daffodils	2.00@ 3.00
Callas	10.00
Harrisii	12.50

PITTSBURG May. 12.

Roses, Beauty, specials	25.00@30.00
" " extras	15.00@20.00
" " No. 1	6.00@10.00
" " ordinary	3.00@ 5.00
" " Bride, Bridesmaid	2.00@ 8.00
" " Meteor	2.00@ 6.00
" " Liberties	3.00@12.00
" " Kaiserin	2.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	15.00@25.00
Asparagus, strings	30.00@50.00
Asparagus Sprengeri	2.00@ 3.00
Violets	.20@ .50
Lilies	3.00@ 8.00
Paper White	1.00@ 3.00
Tulips	1.00@ 3.00
Daffodils	1.00@ 3.00
Roman Hyacinths	2.00
Yellow Purple Iris	8.00
Candy Tuft	2 00

CINCINNATI, May 12.

Roses, Beauty	2.00@ 6.00
" " Bride, Bridesmaid	2.00@ 5.00
" " Liberty	4.00@ 8.00
" " Meteor, Golden Gate	4.00@ 8.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Violets	.50
Narcissus	3.00
Romans	3.00
Harrisii	8.00@12.50
Calla	6.00@10.00

St. Louis, May 12.

Roses, Beauty, long stem	2.00@2.50
" " Beauty, medium stem	1.00@1.50
" " Beauty, short stem	.25@ .75
" " Bride, Bridesmaid	3.00@ 6.00
" " Golden Gate	3.00@ 6.00
Carnations	1.00@ 2.00
Smilax	15.00
Asparagus Sprengeri	2.00@ 3.00
" " Plumosus	25.00@50.00
Ferns	per 1000 2.00@3 00
Valley	3.00
Callas	8.00@10.00
Harrisii	8.00@10.00
Adiantum	1.00@ 1.25
Lilac	2.00@ 4.00

HEADQUARTERS FOR FANCY FERNS.
\$3.00 Per 1000.

AMERICAN BEAUTY		Per Dozen.	Per 100
36-inch stems		\$4.00	\$2.00 to \$4.00
24 to 30-inch stems		2.50	Narcissus, Poets 1.00
18 to 24		1.50 to 2.00	Harrisii 10.00 to 12.50
12 to 18		1.00 to 1.50	Callas 8.00 to 10.00
Short		\$4.00 per 100	Asparagus Sprengeri, sprays 2.00 to 4.00
		Per 100	" Plumosus, string, 25c to 50c each
Bride and Maid		\$3.00 to \$6.00	Fancy Ferns per 1000, \$3.00 .35
Golden Gate		3.00 to 6.00	Galax, Bronze, Green, 1000, \$1.00 .15
Liberty, Chatenay		6.00 to 10.00	Adiantum 1.00
Carnations		1.50 to 2.00	Leucothoe Sprays 1.00
" " Fancy		2.00 to 3.00	Smilax per dozen, \$2.50

We Can Still Supply a Small Quantity of Selected WILD SMILAX, 50-lb. cases, \$8.00.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

Brant & Noe Floral Co.,
 CROWERS OF
Cut Flowers at Wholesale.
 Careful attention given shipping orders.
 58-60 Wabash Ave., CHICAGO.
 Please mention the American Florist when writing.

H.G. BERNING
Wholesale Florist
 1402 Pine St., ST. LOUIS, MO.

RICE BROTHERS
 128 N. 6th St., MINNEAPOLIS, MINN.
Wholesale Cut Flowers and Supplies.
 Wild Smilax | Flowers billed at Market Prices.
 Shippers of choice Cut Flowers and Greens of all kinds. Try us.
 Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
 1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

Pittsburg Florist Exchange
WHOLESALE FLORISTS.
 243 Diamond St., Pittsburg, Pa.
 CONSIGNMENTS SOLICITED.

FERNS
 \$1.50 per 1000
 buys the BEST FANCY
 FERNs in the market. Cash with order,
 or will ship C. O. D. Telegraph or write
ROBERT GROVES,
 127 Commercial St.,
 ADAMS, MASS.

J. M. McCULLOUGH'S SONS
WHOLESALE
FLORISTS
 ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.
CONSIGNMENTS SOLICITED.
 Special Attention Given to Shipping Orders.
 316 WALNUT ST. CINCINNATI, OHIO.
 Please mention the American Florist when writing.

Michigan Cut Flower Exchange,
 WM. DILGER, Mgr.
 All Cut Flowers in Season.
 26 Miami Ave., DETROIT, M.CH.

KENNICOTT BROS. COMPANY
 WHOLESALE COMMISSION FLORISTS
 AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,
 AT CHICAGO MARKET RATES.
 42-44 E. Randolph St., CHICAGO, ILL.

Leo Niessen

WHOLESALE FLORIST,

1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

For April Weddings

VALLEY, BEAUTIES, LILIES, WILD SMILAX.

Write for Prices.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers. All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. MCCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET, 15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA, THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr., WHOLESALE FLORIST.

CHOICEST CUT FLOWERS. 43 W. 28th St., NEW YORK CITY.

GEORGE SALT FORD, WHOLESALE FLORIST.

46 W. 29th Street, NEW YORK. TEL. 3393 MADISON SQUARE.

Specialties: VIOLETS AND CARNATIONS.

Consignments of any good flowers 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.

N. Lecakes & Co.



63 W. 28th St., and 45 W. 29th St., Also at 26th St. and 34th St. Markets

NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES, 75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.

Telephone 1214 Madison Square.

Galax, Brilliant Bronze or Green, selected stock, \$1.00 per 1000; \$3.75 per 500. Leucotloe Sprays. assorted sizes, \$1.00 per 100. Rustic Hanging Baskets. Best make, 8-in., 10-in., 12-in. bowl, each, 50c, 75c, \$1.00. ALL KINDS OF FLORISTS' SUPPLIES.

Tel. 597 Madison Square. L. J. KRESHOVER, 110-112 W. 27th St., New York.

Please mention the American Florist when writing.

Wholesale Flower Markets

BOSTON, May 11.

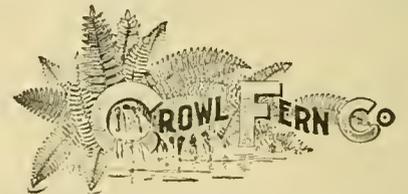
Roses, Beauty, extra.....	10.00@15.00
" " medium.....	6.00@10.00
" " culls.....	1.00@ 3.00
" " Bride, Bridesmaid.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Liberty.....	1.00@ 6.00
Carnations.....	.50@ 1.50
" " Fancy.....	2.00@ 3.00
Violets.....	.30@ .50
Lily of the valley.....	1.00@ 3.00
Harrisii lilies, Calla.....	4.00@ 6.00
Smilax.....	12.00@20.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	.75@ 1.00
Tulips.....	.75@ 1.00
Peas.....	.50@ 1.00

PHILADELPHIA, May 11.

Roses, Tea.....	3.00@ 5.00
" " extra.....	6.00@ 8.00
" " Beauty, extra.....	10.00@16.00
" " firsts.....	6.00@ 8.00
" " Queen of Edgely, extra.....	10.00@16.00
" " firsts.....	6.00@ 8.00
Carnations.....	2.00@ 4.00
Lily of the valley.....	3.00@ 4.00
Daffodils.....	1.00@ 3.00
Lilac.....	.25@ 1.00 per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Snap Dragon.....	8.00@12.00
Sweet peas.....	.50@ .75

BUFFALO, May 12.

Roses, Beauty.....	3.00@25.00
" " Bride, Bridesmaid, Meteor.....	3.00@ 8.00
Carnations.....	1.50@ 5.00
Harrisii.....	6.00@10.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	20.00
Adiantum.....	.50@ 1.00
Violets.....	.60@ .75
Callas.....	8.00@10.00
Sweet Peas.....	.40@ 1.00



New Crop Dagger Ferns,

\$1.50 per 1000. The Finest and Largest Ferns Ever Sold.

FANCY FERNS, NEW CROP, \$2.00 Per 1000. BOUQUET GREEN, \$6.00 per 100 Lbs.

Bouquet Green Wreaths and Laurel Wreaths. ALL SIZES AND PRICES.

Laurel Festooning, Extra fine and full, 4c, 5c and 6c per yard, and made fresh daily from the woods.

Southern Wild Smilax, \$6.00 per case 50 pounds.

Bronze and Green Galax, 75c per 1000. Discount on large orders.

Send us your orders for MEMORIAL DAY now and you will get the best to be had and at rock bottom prices. Satisfaction guaranteed, no matter how large or small the order, it will be filled promptly and with the best and freshest stock right from the woods. Telephone and telegraph orders will receive immediate attention.

Tell Us Your Wants We will Do the Rest.

Telegraph Office, NEW SALEM, MASS. Long Distance Telephone Connections.

CROWL FERN COMPANY, Millington, Mass.

Please mention the American Florist when writing.

Troy, O.—The Miami County Horticultural Society meet in Orange hall, May 5, John Pierce presiding. A basket dinner was one of the pleasant features of the day.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATLEYAS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonal novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 28th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS
Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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. Tel. 956 Madison Sq.
116 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. New York.
Cut Flower Exchange.

OPEN 6:00 A. M.
An Unequaled 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, May 11.

Roses, Beauty, Liberty, best.....	8.00@15.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 4.00
" Bride, Bridesmaid, G. Gate.....	.50@ 5.00
" Bruner.....	6.00@ 15.00
Carnations.....	.50@ 1.50
" fancy and novelties.....	2.00@ 4.00
Lily of the valley.....	1.00@ 2.00
Lilies, Callas.....	3.00@ 5.00
Smilax.....	12.00@20.00
Adiantum.....	.25@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Tulips.....	1.00@ 3.00
Narcissus.....	.25@ 1.00
" Pectious.....	.25@ .50
Gardenias.....	25.00@35.00
Stocks.....	.05@ .15 per bun.
Sweet peas.....	.03@ .10 per bun.
Miss Roses.....	1.00@ 1.25 per bun.
Lilac.....	.10@ .25 per bun.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship
ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

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

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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 1664 and 1665 Madison Square.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,
WHOLESALE FLORISTS.

Daily Reports. Weekly Payments.
TELEPHONE 756 Madison Sq. J. A. MILLANG,
MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St.
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th. St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

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.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND, Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

Bertermann Bros. Co., FLORISTS,

24, Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber, FLORIST,

4320-4328 Olive St., ST. LOUIS, MO. Established 1873. L Dial. Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admision on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Campania	1	Sat. May 21, 10.00 a. m.	May 28
New York	"	Etruria	1	Sat. May 28,	June 4
Boston	"	Saxonia	1	Tues. May 24,	May 31
New York	Glasgow	Numidian	2	Thur. May 26,	June 5
Montreal	Liverpool	Parisian	2	Sat. May 21,	May 30
Montreal	"	Pretorian	2	Sat. May 28,	June 6
New York	Hamburg	Auguste Victoria	3	Thur. May 19, 10:00 a. m.	May 29
New York	"	Patricia	8	Sat. May 21, 10:00 a. m.	May 31
New York	"	Blencher	3	Thur. May 26, 3:00 p. m.	June 4
New York	Copenhagen	Norge	4	Sat. May 21, 2:00 p. m.	
New York	"	United States	4	Wed. May 25, 2:00 p. m.	
New York	London	Minneapolis	6	Sat. May 21, 4:00 p. m.	May 31
New York	"	Mesaba	6	Sat. May 28,	June 7
New York	Glasgow	Furnessia	5	Sat. May 21, Noon	May 31
New York	"	Columbia	5	Sat. May 28, Noon	June 7
New York	Liverpool	Cedric	7	Wed. May 18, 7:00 a. m.	May 25
New York	"	Majestic	7	Wed. May 25,	June 1
New York	"	Arabic	7	Fri. May 27,	June 3
Boston	"	Canopic	7	Thur. May 26,	June 2
New York	Southampton	Philadelphia	8	Sat. May 21, 9:30 a. m.	May 28
New York	"	St. Louis	8	Sat. May 28, 9:30 a. m.	June 4
New York	Antwerp	Zeeland	9	Sat. May 21, 10:30 a. m.	May 30
New York	"	Finland	9	Sat. May 28, 10:30 a. m.	June 6
New York	Havre	La Champagne	10	Thur. May 19, 10:00 a. m.	May 29
New York	"	La Savoie	10	Thur. May 26, 10:00 a. m.	June 5
New York	Rotterdam	Rotterdam	11	Tues. May 17, 10:00 a. m.	May 27
New York	"	Ryndam	11	Tues. May 24, 10:00 a. m.	June 3
New York	Genoa	Liguria	12	Tues. May 17, 11:00 a. m.	June 1
New York	Bremen	Kaiser Wilhelm II	13	Tues. May 17, 7:00 a. m.	May 24
New York	"	Frk. Der Grosse	13	Thur. May 19, Noon	May 29
New York	"	K. Wil. Der Grosse	13	Tues. May 24, 10:00 a. m.	May 31
New York	"	Bremen	13	Thur. May 26, 9:00 a. m.	June 5
New York	"	Kronprinz Wilh.	13	Tues. May 31, 7:00 a. m.	June 7
Boston	Liverpool	Canadian	14	Wed. May 18, 9:30 a. m.	May 28
Boston	"	Cestrian	14	Wed. May 25,	June 4
Montreal	"	Canada	15	Sat. May 21,	May 29

* 1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. ❀❀❀

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

The Park Floral Co.

J. A. VALENTINE, Pres. DENVER, COLO.

THE NICKEL PLATE ROAD

Will sell tickets to Cleveland, O., and return account of National Baptist Anniversary, on May 16, 17 and 18, at rate of one fare for the round trip, plus 25c. Tickets good going date of sale. By depositing same, extended return limit of June 10th may be secured. Through service to New York City, Boston and other Eastern Points. No excess fare charged on any train on the Nickel Plate Road. Meals on American Club Meal Plan, ranging in price from 35c to \$1.00; also service a la Carte. Chicago Depot: La Salle and Van Buren Streets, the only passenger station in Chicago on the Elevated Loop. Chicago City Ticket Offices, 111 Adams St., and Auditorium Annex. 'Phone Central 2057.

Please mention the American Florist when writing.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Lucania	1	Sat. May 21	May 27
Liverpool.....	"	Umbria	1	Sat. May 28	June 4
Liverpool.....	Boston	Ivornia	1	Tues. May 24	May 31
Glasgow.....	New York	Mongolian	2	Sat. May 21	May 31
Liverpool.....	Montreal	Tunisian	2	Thur. May 19	May 29
Liverpool.....	"	Ionian	2	Thur. May 26	June 5
Hamburg.....	New York	Moltke	3	Thur. May 19	May 29
Hamburg.....	"	Graf Waldersee	3	Sat. May 21	May 31
Hamburg.....	"	Deutschland	3	Thur. May 26	June 3
Copenhagen.....	"	Helig Olav	4	Wed. May 18	
Copenhagen.....	"	Island	4	Wed. May 25	
Glasgow.....	"	Ethiopia	5	Thur. May 19	May 29
Glasgow.....	"	Astoria	5	Thur. May 26	June 5
London.....	"	Minnetonka	6	Sat. May 21	May 31
London.....	"	Minochaha	6	Sat. May 28	June 7
Liverpool.....	"	Teutoic	7	Fri. May 20	May 27
Liverpool.....	"	Celtic	7	Fri. May 27	June 3
Liverpool.....	"	Cretic	7	Thur. May 19	May 26
Liverpool.....	Boston	Republic	7	Thur. May 26	June 2
Naples.....	"	Canopic	7	Thur. May 26	June 7
Southampton.....	"	Germanic	8	Sat. May 21	May 28
Southampton.....	New York	St. Paul	8	Sat. May 28	June 3
Antwerp.....	"	Vaderland	9	Sat. May 21	May 31
Antwerp.....	"	Kroonland	9	Sat. May 28	June 7
Havre.....	"	La Touraine	10	Sat. May 21	May 31
Havre.....	"	La Lorraine	10	Sat. May 28	June 7
Rotterdam.....	"	Staatsdam	11	Sat. May 21	May 31
Rotterdam.....	"	Potsdam	11	Sat. May 28	June 7
Genoa.....	"	Citta di Torino	12	Mon. May 16	June 1
Genoa.....	"	Sicilia	12	Mon. May 23	June 6
Bremer.....	"	Kronprinz Wilhelm	13	Tues. May 17	May 24
Bremen.....	"	Prinzess Alice	13	Tues. May 24	June 3
Bremen.....	"	Barbarossa	13	Sat. May 28	June 7
Genoa.....	"	Prinzess Irene	13	Thur. May 26	June 9
Liverpool.....	Boston	Wolffredian	14	Sat. May 21	May 31
Liverpool.....	"	Bohemian	14	Sat. May 28	June 7
Liverpool.....	Montreal.....	Vancouver	15	Thur. May 19	May 27
Liverpool.....	"	Dominion	15	Thur. May 26	June 3

* See steamship list on opposite page.

Orchids!



Arrived in PERFECT condition, Cattleya Mossiae, C. labiate, Lælia crispata, Oncidium varicosum Rogersii, O. Papilio, O. crispum, Lælia anceps and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

JACKSON, MICH.—Arthur Dew is to have his greenhouse equipped throughout with automatic ventilators.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

Please mention the American Florist when writing.

Cape Jasmine Blooms.

\$8.00 per 1000. Every shipment guaranteed. Wire your orders for Decoration Day.

F. & S. LEE, Marlon, Ala.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER

IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.	\$4.00
" " 30-in. "		3.00
" " 20-24 " "		2.00
" " 15-18 " "		1.50
" " Short stems.....	.75 to	1.00
Per 100		
SUNRISE.....	\$5.00 to	\$8.00
CHATENAY.....	6.00 to	10.00
BRIDE.....	4.00 to	6.00
BRIDESMAID.....	4.00 to	6.00
PERLE.....	3.00 to	5.00
CARNATIONS.....	1.50 to	2.50
ROSES, OUR SELECTION.....		4.00

All flowers are perfectly fresh and properly packed. No charge for P. and D. on orders over \$5.

A Daily Cut From 40 Growers

"Highest Qualities"

AS WELL AS

"Under Grades"

At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR

Cut Flower Wants

TO ADVANTAGE.

Headquarters for "Superior Quality" Brand Wild Smilax (None Better), Galax, Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,

E. F. Winterson, John P. Degnan, L. H. Winterson, Successors to McKellar & Winterson.

45-47-49 Wabash Avenue, CHICAGO.

Yellow Daisies and fine Kaisersins, Maids and Brides, Fancy Carnations.

PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

THE CLEVELAND CUT FLOWER COMPANY

SUCCESSORS TO

BATE BROS. AND THE F. R. WILLIAMS COMPANY

52-54 High St.,

BOTH PHONES.

CLEVELAND, O.

We Carry a Full Line of Florists' Supplies and Make Wire Designs.

Send Your Stock to Us on Commission.

—WRITE FOR OUR WEEKLY PRICE LIST.—

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Keudel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

Congressional Seedsmen.

PUBLIC PAYS SALARIES AND SUPPLIES SEEDS.

If the current custom of indiscriminate distribution shall indefinitely continue, if this congressional comedy shall drift into a continuous performance, we shall ultimately be driven to the mournful admission that we are not statesmen, but seedsmen; and it will be in order for some distinguished seedsmen, some sainted hero of a score of memorable distributions, some legislative knight upon whose shield is blazoned a radish in its glory or a turnip in repose, to arise in his place with becoming gravity and move, Mr. Chairman, that the American eagle be taken from the mace and supplanted by a package of vegetable seed as the supreme emblem of the genius, the character, and the principal occupation of American statesmanship.—*Morris Sheppard, of Texas, in House of Representatives.*

THE few onion sets left are selling at from \$5 to \$6 per bushel.

MICHIGAN bean growers are reported as organizing to adjust prices.

THE retail counter seed trade east and west has been very good for the past two weeks.

ONION set fields on high ground about Chicago are showing generally a good stand.

VISITED ST. LOUIS: J. J. Van Waveren, of L. Van Waveren & Co., Hillegom, Holland, visited the fair last week.

NEW YORK seedsmen report counter trade as keeping up remarkably well, much better than anticipated.

SECRETARY C. E. KENDEL, American Seed Trade Association, is actively at work on the society's programme for the June meeting.

THE Johnson & Musser Seed Company of Los Angeles has a suit pending which will be made the test case of seedsmen's disclaimer in California.

NEWPORT, R. I.—Sanford corn from which the famous Rhode Island meal is made is quite scarce this year. The farmers are holding their stock on hand for \$1.25 per bushel.

VISITED CHICAGO: J. J. Van Waveren, representing L. Van Waveren & Company, Hillegom, Holland; Charles H. Vick, superintendent of New York horticulture and floriculture at World's Fair.

AN exposition will be held in Kief, Russia, during August and September next, under the auspices of the Agricultural Society of Kief. Seeds and everything pertaining to agriculture will be admitted free of duty.

Law Harasses Importers.

Never since the passage of the tariff law has there been more protest among importers at the manner of its enforcement than there is now. The importers in New York are talking of holding meetings to discuss the most obnoxious provisions of the law and to appeal to congress for a modification of them.

What is complained of are some of the clauses in the law which, while designed to prevent frauds, have little deterrent effect on the dishonest importers and harass and worry the honest ones. Chief

among these is the "market value" provision and its attendant clause providing a penalty for undervaluation. No feature of the customs law has given more trouble than this. As a matter of practice the price in the home market at the place and time of exportation is taken as the basis for fixing the market value abroad. A serious phase of the question is that presented by importers who buy their goods long before the selling season starts, for shipment several months later. Prices on their commodities may change materially in the meantime, and while the goods are honestly invoiced at what was paid for them they are advanced in value, and the importer has to pay not only duty on the advanced value, but double duty as a penalty.—*New York Times, April 3, 1904.*

Tariff Manipulation.

The recent decision of the United States Court of Appeals making canary seed dutiable, attracts attention to the peculiar change made in the free list of seeds from the law as it stood in 1890 to the new act of 1897. The latter law took canary seed out of the free list but did not locate it in any other paragraph, and inserted in the free list the word cauliflower, singling out in it one of a long list of vegetable seeds, of which none had ever been placed on the free list before.

The question which interests the trade is who succeeded in manipulating this paragraph of the new tariff to the extent of singling out cauliflower from all garden seeds and making it free and at the same time throwing canary seed, which was similar to hemp and rape, all in the free list, into a dutiable section. There are but few in the trade who do not already realize the need of honest tariff reform, but this is another evidence of how tariff matters have been misbauded.

Buffalo, N. Y.

Weather last week was all that could be desired. Trade was good with all the florists. At an elaborate drug store opening palms, smilax and American Beauty roses in profusion with flats and pots of daffodils, were used effectively by S. A. Anderson. The same day the University of Buffalo had its graduating exercises and all had large orders. Thursday the Sweeney Company opened a new store and all had work for it. Weddings were scarce. On Monday the William Hengerer Company moved into its new store on the property formerly occupied by the Tift House. The decorations were palms and an unusually large

amount of roses arranged and cared for by Palmer & Son, the whole being as elaborate as ever seen here. Stock is of the best and in good supply. Bridesmaid, Bride and Meteor are fine and carnations good and plentiful. Many American Beauties were handled last week, the quality being the best.

The Buffalo Florists' Club had its annual meeting and election of officers last night. All officers were re-elected for another year. The club is in good financial condition, and only needs a little more support from the florists in attending the meetings. The club's usefulness was very apparent when the late agitation about the watering and care of vases at Forest Lawn cemetery was up. The club as a body took the matter up and had the order barring outside florists rescinded. After the meeting, which was held in Kasting's Opera House, we all adjourned to the banquet room, where a fine lunch was served by W. J. Kasting as the formal opening of his new and commodious wholesale house. President Scott acted as toastmaster. The speakers were D. B. Long, who gave reminiscences; Charles H. Keitsch, on club flower shows, and W. F. Kasting, on his success in trade politics. Jacob Boeler favored us with some fine songs, as did Ludwig Neubeck and J. Pickleman. James Buxton had a new lease of life and did some clever dancing for a man who remembered Gladstone in his younger days. It was truly wonderful, and when "Bedelia" was played he was in a seventh heaven. The younger element was very prominent.

From now until July 1 greenhouse men will not be receiving calls from their friends. Their time will be fully occupied in intimations to their customers as to when their work will be done.

Prof. Cowell was busy yesterday (May 10) at an important meeting of the park board, when business of vital importance to South park was transacted.

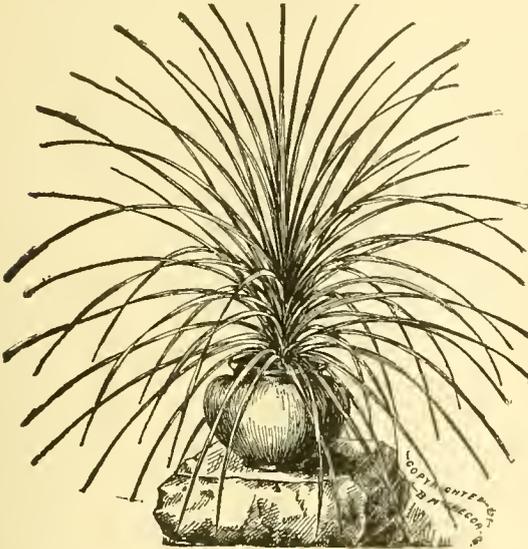
Paul Lovas, formerly wire-worker for W. F. Kasting, has started in business for himself in Washington, D. C.

The opening of the Lafayette hotel June 16 promises another big order for cut flowers.

Jerry Brookins, of Orchard Park, is sending in some fine sweet peas. BISON.



STEPHENS BROTHERS' FIELD OF FREESIAS IN BERMUDA.



Dracaena Indivisa.

DREER SPECIALS IN SEASONABLE STOCK.

DRACAENA INOIVISA. Fine plants for centers of Vases, Window Boxes, Etc. 4-inch pots.....	\$2.00	\$15.00
5-inch pots.....	2.50	20.00
AMPELOPSIS VEITCHII. Extra heavy two-year plants, 2 to 3 feet, heavy, bushy plants. 4-inch pots.....	1.25	10.00
5-inch pots.....	2.00	15.00
ARISTOLOCHIA SIPHO. Strong plants.....	3.50	25.00
BIGNONIA GRANDIFLORA, Strong plants.....	3.00	20.00
Radicans. Strong plants.....	1.50	10.00
CLEMATIS. Strong two-year-old plants,		
Duchess of Edinburgh.....	3.50	25.00
Gipsy Queen.....	3.50	25.00
Henry.....	3.50	25.00
Jackmani.....	3.50	25.00
Jackmani Superba.....	3.50	25.00
Lilicina Floribunda.....	3.50	25.00
Mme. Baron Veillard.....	3.50	25.00
The Gem.....	3.50	25.00
The President.....	3.50	25.00
HARDY JASMINES. White and Yellow.....	1.50	12.00
WISTARIA SINENSIS. Blue, \$3.50 per dozen; \$25.00 per 100. White.....	4.00	30.00

For a complete list of SEASONABLE STOCK, including a complete list of HARDY PERENNIALS, Roses for out-door planting, Danlias, etc., see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

To
Seedsmen

The Only Machine....

on the market for automatically filling and sealing seed packets. * * * * *

The Brown Bag-Filling Machine Co.

FITCHBURG, MASS.

Mushroom Growers

We want to send you our circular on "Mushroom Spawns" describing our methods of growing "Tissue Culture Pure Spawn" and "Spore Culture Spawn." Will you send us your name?

American Mushroom Co.,

Lock Box. ST. LOUIS, MO.
Please mention the American Florist when writing.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raffia, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.
Please mention the American Florist when writing.

<p>NICKEL RATE. The New York, Chicago & St. Louis R.R.</p>	NO
	EXCESS FARE ON ANY TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct lines to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

Lily of the Valley--Cold Storage.

ASPARAGUS PLUMOSUS NANUS SEED. New crop, sound and plump, Greenhouse grown, 75c per 100; \$6.00 per 1000.

LORRAINE BEGONIAS. Healthy stock. 2 1/4-in. pots, immediate delivery, \$3.00 per doz.; \$22.50 per 100; \$200.00 per 1000. 2 1/4 in. pots, June and August delivery, \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000.

Extra selected pips for delivery from now on through the summer and autumn, \$15.00 per 1000.

ORDERS BOOKED NOW FOR

LILIAM HARRISII, LONGIFLORUM, FRIE-SIAS, CALLAS, HYACINTHS, NARCISSUS, TULIPS, ETC.

Before placing your order for forcing bulbs send me your list of requirements for prices.

ARTHUR T. BODDINGTON, 35 Warren Street, NEW YORK.

Henry Mette,

QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Vegetable and Flower Seeds.

Mette's Triumph of the Giant Pansies,

the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per 1/4 oz.; 75c per 1-16 oz. Postage paid. Cash with order.

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

\$2.00.

in either stiff or flexible cover. ADDRESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

POLO, ILL.—The greenhouses of H. D. & R. E. Davis were damaged by fire and the storeroom destroyed April 21. The loss was \$2,000. A new storehouse will be erected at once.

VEGETABLE PLANTS.

CABBAGE plants, 50c per 100; \$3.00 per 1000. TOMATO plants, 50c per 100; \$3.00 per 1000. EGG plants, PEPPER plants and PANSY plants. Write for list.

G. O. WILLIAMS, 99 Water Street, Batavia, Ill.

Please mention the American Florist when writing.

VEGETABLE PLANTS.

Wakefield and Early Summer Cabbage, transplanted, \$2.50 per 1000; Sweet Potatoes, \$1.50; Tomatoes in var., \$1.50, \$2.50 and \$5.00 per 1000. Pepper, Egg Plant, a few million Celery in var. Late Cabbage and Cauliflower. Cash with order. Price list mailed free. Also bedding plants and Pansies.

LUDVIC MOSBAEK, Phone 105, Onarga, Ill.

Tomato Plants.

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The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

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Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

DES MOINES, IA.—Articles of incorporation were filed May 4 by the Watrous Nursery Company, of Des Moines, capital \$20,000, C. L. Watrous and Charles A. Watrous, incorporators.

OWATONNA, MINN.—Thos. E. Cashman, president of the Clinton Falls Nursery Company, has been appointed delegate to the good roads convention at St. Louis by Governor Van Sant.

PORTLAND, ME.—Fort Allen park is to be extended to the eastward this summer and the entire slope to the waters' edge with its unrivalled harbor view will be devoted to the public use, the Grand Trunk railroad having transferred a large tract of land here to the city.

NEWPORT, R. I.—It would be very interesting to hear from all sections of the country regarding the hardiness of California privet this last winter. In Rhode Island it has stood the severe weather very well; but in Massachusetts much complaint is heard. How is it in other states?

Portland Invitation for Nurserymen.

The Pacific Coast Nurserymen's Association, through M. McDonald, of the Oregon Nursery Company, Salem, Ore., has issued an invitation to the American Association of Nurserymen to hold next year's annual convention at Portland, Ore., in connection with the Lewis and Clark exposition.

Park News.

CHelsea, MASS.—The board of aldermen of this city has voted to abolish the park commission and transfer its duties and powers to the superintendent of streets, who is an appointee of the mayor. Doubt

of the legality of this action has been expressed.

MIDDLEBURY, VT.—Joseph Battell has bought Ellen mountain, containing 4,000 acres covered mostly with original forest and will convert it into a park for the benefit of the citizens of the Green Mountain state.

MALDEN, MASS.—Daniel Connell has been appointed superintendent of the parks here. The city has appropriated \$18,000 for park improvement this year.

MAPLEWOOD, MASS.—Jas. F. Eaton has given a tract of land containing about 146,000 square feet for a public playground.

Picea Pungens.

Among the small number of conifers that have withstood the fierce rigors of the past winter the Colorado blue spruce, *Picea pungens* stands out absolutely unscathed. This is a case where reliability and beauty go together, for there is no evergreen so generally admired as this when seen in its most distinct silvery forms. The principal drawback to its planting hitherto has been its price. Nurserymen are increasing their stock rapidly now but it will probably be many years before conditions will be such that a surplus can be found anywhere. The form introduced by a European firm as the Kosteri is one of the most striking in color and growth. A plantation of Kosteri at the nursery of J. H. Troy, New Rochelle, N. Y., is shown in the accompanying illustration. The proprietor himself stands among them admiring his favorites in comfortable complacency.

Thinning Tree and Shrubbery Plantations.

In growing plantations of trees and shrubbery one of the most important operations the thinning out of overcrowding individuals. It is well to plant thickly for each tree and shrub helps to protect the other. Nurse trees are often introduced into plantations to serve as temporary protection until the permanent trees gain in strength. Too often, however, the trees intended to nurse the others are permitted to remain in the plantations until they have injured their nurslings by overcrowding them.

A safe rule for the planter to follow in a young plantation is: Never allow the growth of one tree to injure the growth of another. By nonobservance of this rule costly mistakes have been made, and this is nowhere more apparent than in our public parks and pleasure grounds. But go where you will, whether in the streets, the public parks or the private home grounds, to a great extent, crowded and therefore damaging conditions prevail among trees and shrubbery.

The opposition which the practical arboriculturist or the landscape gardener often has to contend with is the sentimental aversion expressed by well-meaning against the cutting down of trees. This feeling is born of ignorance of the requirements of good tree culture, and, so far as public parks are concerned, is responsible for much of the destruction or the bad condition of their trees.

While the thinning out of young plantations is a simple matter, that of thinning a piece of old woodland is much more difficult. The young plantation is made to conform or to give effect to a landscape, while the old woodland may be the dominating feature, or it may require carving to bring it into harmony with the landscape. Should the trees, although standing thickly together, be fairly vigorous and well formed, a judicious thinning will improve their condition by letting in air and light, thus inducing a growth of side branches. Should, however, the trees be of spindling growth from overcrowding, better results may be obtained by cutting out freely enough to allow of new planting.

While in park plantation and woodlands trees should have more room for symmetrical development that obtains in forestry operations, yet it is not necessary that each tree in a mass intended for sylvan effect should be a perfect specimen of its kind. Specimen growths should be reserved for prominent points or open spaces. The selection of material to be thinned out should be made in the summer season and marked. At this time the condition of the trees and their relation to each other can be the more easily determined and pleasing combinations can be arranged or retained—J. A. Pettigrew, in *Bulletin of New England Park Superintendents*.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

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Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

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Gigantea.....	40.00	30.00	20.00	10.00	L'Innocence.....	54.00	40.00	36.00	14.00
Lord Macauley.....	40.00	30.00	20.00	10.00	Mme. v. d. Hoop.....	50.00	35.00	24.00	12.00
Robert Steiger.....	36.00	24.00	18.00	10.00	Pavillon Blanc.....	50.00	36.00	24.00	12.00
Rosea Maxima.....	40.00	30.00	22.00	12.00	Voltaire.....	36.00	24.00	18.00	10.00
Single Blue					Single Violet				
Bar. v. Tuyl.....	36.00	24.00	18.00	10.00	Lord Ballour.....	48.00	36.00	24.00	12.00
Blondin.....	34.00	22.00	18.00	10.00	Sir William Mansfield.....	54.00	40.00	26.00	14.00
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Ask for price list and let us estimate on your list of wants. Address 1111 June 1st. **JACS. SMITS,** care Maltus & Ware, 136 Water St., New York.
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Fine stock recently transplanted.

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Please Mention The American Florist When Writing.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Washington.

The event of the past week was the bowling contest on Friday, May 6. The score was: Philadelphia, 2,546; Washington, 2,453; Baltimore, 2,144. The



The Kramer Tri-City Cup.

tellow with a grip full of hoary chestnuts on "slow" Philadelphia had better keep out of the florist circles of Washington for some time to come. The banquet to the visiting teams and their friends by the Washington Florists' Club immediately after the contest was ended was an enjoyable event. A large company was seated at the tables of the Hotel Fritz Reuter, which were handsomely decorated with American Beauty roses, the decoration being the gift of A. Gude & Brother. After justice had been done the viands Toastmaster W. F. Gude introduced Fred. H. Kramer, the donor of the tri-city cup, who in a few well chosen remarks formally presented the cup to the Philadelphia team. Appropriate responses were made by Messrs. Starkey and Dunlop. After this there was quite a flow of oratory from members of the Baltimore delegation and several of the locals. Among the speakers were Capt. Seybold and Mr. Krebs, of Baltimore, Capt. Ernest, Adolphus Gude, William Clark and John Robertson, of Washington.

Mr. Kramer has offered to present another cup, to be designated Cup No. 2, for the greatest total number of pins in

three games. The possibilities are that the New York club will be invited to participate in the next contest, which will not take place until after the meeting of the S. A. F. at St. Louis. The Philadelphians and Orioles are good fellows and we hope to meet them often, even if we have to lose a cup to do it. Among those I was glad to meet were Wm. Graham, of Philadelphia, and John Wiedey of the Lord & Burnham agency of Baltimore. The trophy won by Philadelphia is shown in the illustration herewith.

S. E.

At St. Louis.

There is great interest in bowling just now, especially among the ladies. Ladies and gentlemen bowled together last Monday night. The scores:

MEN.—TEAM NO. 1.

Player.	1st	2d	3d	T'l
Beneke.....	201	190	183	574
Miller.....	105	163	154	422
Weber.....	125	151	133	409
Gerlack.....	106	128	118	352
Ellis.....	122	122	141	385
Total.....	659	754	729	2142

TEAM NO. 2.

Player.	1st	2d	3d	T'l
Kuehn.....	151	139	200	490
Beyer.....	140	138	153	431
Meinhardt.....	141	146	134	424
O. R. Beneke.....	153	123	111	387
F. Weber.....	128	105	128	361
Total.....	716	551	726	2093

LADIES.—TEAM NO. 1.

Player.	1st	2d	3d	T'l
Mrs. Beneke.....	62	73	62	197
Mrs. Miller.....	101	153	116	370
Miss L. Meinhardt.....	95	90	97	285
Mrs. Schwetzie.....	74	83	115	272
Mrs. Weber.....	75	46	45	166
Total.....	407	445	435	1290

TEAM NO. 2.

Player.	1st	2d	3d	T'l
Mrs. Beyer.....	91	102	88	281
Mrs. Meinhardt.....	82	115	124	321
Miss T. Meinhardt.....	103	81	84	271
Mrs. Ellis.....	87	104	125	316
Miss B. Meinhardt.....	151	135	98	384
Total.....	517	540	579	1576

I. W. D.

At Chicago.

The preliminary tournament to select the team that is to uphold the honor and prestige of the Florists' Club at the S. A. F. meet at St. Louis will not be started until next week, when the managing

committee will be ready to submit their plans for the match. The following are the scores as rolled at the Geroux alleys last Tuesday evening:

Player	1st	2d	3d	T'l
Balluff.....	186	148	201	535
Asmus.....	143	177	162	482
Hueber.....	154	141	171	467
Scott.....	187	144	130	461
Stevens.....	170	147	137	454
Degnan.....	136	154	102	397
Hauswirth.....	134	109	132	375
Ed. Winterson.....	121	142	90	353
L. Winterson.....	115	168	102	385
Lange.....	.....	96	142	238

LADIES.

Player	1st	2nd	3d	T'l
Mrs. Winterson.....	106	118	104	328
Mrs. Hauswirth.....	103	94	74	271
Mrs. Asmus.....	104	112	78	294
Mrs. Scott.....	98	80	94	292

St. Paul.

This has been the most backward spring in many years with very little rain and continuous cold weather, but it is all changed and we are in the midst of summer as far as the weather goes. Every one is wanting spring planting done. From all reports business in the month of April was the best on record, there being a continuous string of good funeral work. Stock was quite plentiful all the time, but now we have a big surplus. Lots of fine bulbous stock is still seen. Carnations, which had been rather scarce, are arriving in wagon loads. There is no green stock at all, and even ferns are hard to procure.

The boys have had a little time for bowling lately and have been getting together frequently of late. There has been some talk of a team going to St. Louis, but this is doubtful.

E. P. Holm was on the sick list for ten days. He was treated for an attack of appendicitis, but is now feeling as good as ever.

C. W. Creighton and Arnold Ringier were recent callers on the trade. O.

Reading, Pa.

E. H. Beears has sold his retail establishment on Mulberry street and purchased a plot of ground on the outskirts of the city in the new suburb of Rosedale, where he is building a cottage and in a few weeks will erect six new greenhouses, 20x100 feet each. He will grow smilax and carnations for the wholesale trade.



THE LADIES BOWLING TEAM OF THE ST. LOUIS FLORISTS' CLUB.

CARNATION PLANTS.

READY FOR FIELD PLANTING.

—THESE PLANTS ARE NOW ALL IN SOIL AND ARE EXTRA LARGE PLANTS, READY FOR FIELD PLANTING.—

	Per 100	Per 1000		Per 100	Per 1000
12,000 Gov. Wolcott, - -	\$3.50	\$30.00	1,000 Lorna, - - - -	\$2.50	\$20.00
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5,000 Prosperity, - - -	2.50	20.00	2,000 Maceo, - - - -	2.50	20.00

GRAFTED ROSES READY NOW.

We have grafted 100,000 Rose Plants on Manetti, all from choice flowering wood. This is the best stock we are able to produce and sure to give satisfaction. If your rose stock is running down give grafted plants a trial. Ready for immediate shipment.

BRIDESMAIDS, - - - \$12.00 per 100

LIBERTIES, - - - 15.00 per 100

Chatenay Rose Plants, 2½-inch, \$6.00 per 100; \$50.00 per 1000

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

Rose Plants.

Strong Stock from 2½-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00
MME. CHATENAY.....	6.00	50.00
SUNRISE.....	5.00	40.00
KAISERIN.....	3.00	25.00
LIBERTY.....	5.00	40.00
MAID.....	3.00	25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00

Rose Bushes.

2-year Old Plants from Benches.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00
BRIDESMAID.....	3.00	25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
IVORY.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, METEOR, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

Please mention the American Florist when writing.

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN.

LIBERTY, 3½-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN GATE, 3½-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

AMERICAN BEAUTY ROSES.

Own root, strong plants from 2½-inch pots, now ready.
\$6.00 per 100; \$50.00 per 1000.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Please mention the American Florist when writing.

Davenport, Ia.

The weather has at last reached a summer standpoint and planting out has fairly begun. Almost every market basket you see is topped by a geranium or some other blooming plant. Carnation planting is well under way, and most florists will finish planting within a few days. More carnations are being set out this spring than ever before and every florist is giving one or more of the newer varieties a trial. Trade has been good the past week, owing to a large amount of funeral work and stock has been kept well cleaned up. Florists of the tri-cities are looking forward to a large bedding plant trade; prices are about the same as former years.

Rob't Allison, late of the Allison-Littig Company, will sail for Norfolk, England, on or about May 15 on the steamer Oceanic to visit with his brother, a florist at the Royal Gardens, whom he has not seen for about twenty-one years. Mr. Allison will be gone about three months. It is his intention to also visit Cork, Ireland, and Inverness, Scotland, the latter city being the birthplace of his father. What business he will engage in after his return he is at present not able to state.

Nichols & Lorton, nurserymen claim their sales in hardy roses, shrubbery, trees, etc., have been greater by far than ever before. They shipped out over thirty carloads, mostly to the south and west. Their nursery is one of the largest in the west, comprising some 400 to 500 acres of ground and employing in their busy season 100 to 200 men and boys.

Max Rathmann, florist at the Soldiers' Orphans' home, had a curiosity in the way of a branching Harrisii lily. It had fourteen branches and on each one was a flower. It stood about three and one-half feet high and was perfectly tree shaped.

Superintendent Arp, of Central park, and his assistants are busy with beds, and the park has a very fine holiday appearance. Thousands of visitors can be found there any warm day, for Central park is without doubt one of the finest in the state.

Girls! this is leap year and here's your chance. Ten of the boss florists of the tri-cities are single men. Information and address furnished free of charge by Theo. Ewoldt, of Davenport, Ia.

Miss Lottie Bills, who underwent an operation several weeks ago, is slowly improving. Miss Bills is a sister of Harry Bills, of the Bills Floral Company.

Ewoldt Brothers have lost faith in windmills and in the last week have installed a two horse-power gasoline engine.

A recent trade visitor was Mrs. Werbach, of Cambridge, Ill. T. E.

Norfolk, Va.

Harry Bunyard has been confined to the St. Vincent's hospital here the past two weeks and has undergone two operations for his left knee, which was injured undoubtedly by his being thrown from a sleigh in Wisconsin last winter. He is improving rapidly and hopes soon to be himself again, however. Harry says he will never die in a hospital.

Cannot Do Without It.

ED. AM. FLORIST:—Enclosed please find \$1 for renewal of subscription. We cannot do without this paper and would consider ourselves back numbers if we did not get it. J. SYLVESTER.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES. ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

WHITE.	Cuttings per 100	Cuttings per 1000	2-in. pot plts 100	YELLOW.	Cuttings per 100	Cuttings per 1000	2-in. pot plts 100
Timothy Eaton.....	\$2.00	\$15.00	\$3.00	Col. Appleton.....	1.50	12.50	2.00
Chadwick.....	2.00	15.00	3.00	Major Bonnafon.....	1.50	12.50	2.00
White Bonnafon.....	1.50	12.50	2.00	Yellow Mayflower.....	1.50	12.50	2.00
Wanamaker.....	1.50	12.50	2.00	Omega.....	1.50	12.50	2.00
Geo. S. Kalb.....	1.50	12.50	2.00	PINK.			
Estelle.....	1.50	12.50	2.00	Wm. Duckham.....	25.00		
Robinson.....	1.50	12.50	2.00	Mrs. Murdoch.....	1.50	12.50	2.00
Ivory.....	1.50	12.50	2.00	Viviand-Morel.....	1.50	12.50	2.00
Merry Xmas.....	1.50	12.50	2.00	Mme. Perrin.....	1.50	12.50	2.00
Polly Rogers.....	1.50	12.50	2.00	Pacific.....	1.50	12.50	2.00
White Mayflower.....	1.50	12.50	2.00	M. Newell.....	1.50	12.50	2.00
YELLOW				Richardson.....	1.50	12.50	2.00
Golden Wedding.....	1.50	12.50	2.00	Lavender Queen.....	1.50	12.50	2.00
Golden Beauty.....	1.50	12.50	2.00	J. K. Shaw.....	1.50	12.50	2.00
October Sunshine.....	1.50	12.50	2.00	RED.			
				Oakland.....	1.50	12.50	2.00

ROSE PLANTS.

In 2½-inch pots.	Per 100	1000	In 2½-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Rooted Carnation Cuttings.

PINK.	100	1000	WHITE.	100	1000
Mrs. Lawson.....	\$2.00	\$15.00	Flora Hill.....	1.50	12.50
Guardian Angel.....	1.50	12.50	White Cloud.....	1.50	12.50
Mrs. Joost.....	1.50	12.50	Queen Louise.....	1.50	12.50
RED.			LIGHT PINK.		
Palmer.....	2.00	15.00	Prosperity.....	2.00	15.00

2-INCH ROSE PLANTS.

Bridesmaid.....	\$3.00	\$25.00	American Beauty.....	5.00	45.00
Bride, Perle.....	3.00	25.00	Liberty.....	5.00	45.00
Golden Gate, Ivory.....	3.00	25.00			

Cuttings have never been so good as this season.

ROSE PLANTS.	BRIDE, 3-inch.....	\$4.00 per 100; \$35.00 per 1000
	BRIDESMAID, 3-inch.....	4.00 per 100; 35.00 per 1000
	PERLE, 3-inch.....	4.00 per 100; 35.00 per 1000

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

50,000 CARNATIONS

From flats outside and well HARDENED, fit to plant: Louise, Hill, Joost, Crocker, Marquis and Crane, in equal proportion, \$15.00 per 100; \$2.00 per 10.

Clematis Jackman, 2 year, field vines, fine, \$2.50 doz. Clematis paniculata and Wistaria magna, blue, 75c doz. Ampelopsis Veitchi, 2 year field grown, \$6.00 per 100, dormant, pot grown, long tops, \$4.00 per 100. Vinca major var. 4-in. 8c; 3-in. 5c. Peonia Roots, double white and double rose, \$1.25 doz.; singles, 50c doz. Hydrangea Otaksa, 4-in. 75c doz. Paniculata grandiflora and Viburnum plicatum, 3 year old bushes, fine, \$1.50 doz. Convention Hall and 8 other leaders in 'Mums. Send for list. Cannas, Bedding Stock, etc. Cash.

BENJ. CONNELL, West Grove, Pa.

Please mention the American Florist when writing.

CARNATIONS.

Well established strong plants from soil: 500 Joost, 500 Scott, 10 0 Ethel Crocker, 500 Flora Hill, 500 Mrs. Fisher, 500 Queen Louise, 200 Harlowarden \$2.00 per 100; \$15.00 per 1000.

CHRYSANTHEMUMS. Plants from soil, all the best standard varieties at \$1.50 per 100.

C. EISELE, 11 & Jefferson Sts., Philadelphia.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100
Flamingo, fine scarlet.....	\$3.00	\$12.00
Mrs. M. A. Patten, fine variegated....	3.00	30.00
Crusader, scarlet.....	2.00	10.00
Reliance, white.....	2.00	10.00

—50 at 100 rate.

	Per 100	1000
Harlowarden, best crimson.....	\$5.00	\$40.00
Governor Lowndes, finest white.....	6.00	50.00
Genevieve Lord.....	2.50	20.00
Mrs. E. A. Nelson.....	3.00	30.00
Norway.....	2.50	20.00

	Per 100	1000
Prosperity.....	\$3.00	\$25.00
Sihyl.....	4.00	30.00
Mrs. R'velt.....	4.00	35.00
Lillian Pond.....	4.00	35.00
Gov. Wolcott.....	4.00	35.00

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

American Beauties

Yes we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a

lot of cull stock we wish to dump. But we have a clean healthy lot of plants which we are offering at very low prices. We intend to establish a reputation on our goods and want your order. The goods are right—but if you don't think so, return them and you can have your money back. Send a dollar for samples if you are dubious. 2-inch, \$5.00 per 100; \$45.00 per 1000. 3-inch, \$6.00 per 100; \$55.00 per 1000. 4-inch, \$8.00 per 100; \$75.00 per 1000.

GRAND RAPIDS VIOLET CO.
163 Madison Ave. GRAND RAPIDS, MICH.

Roses. We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2x2 1/2	2 1/2 x 3	3x3
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Brides.....	1.50	2.50	3.50	5.00
3	Maid.....	1.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	LaFrance.....	2.00	3.00	4.00	6.00
8	Kaiserin.....	2.00	3.00	4.00	6.00
9	Woottons.....	2.00	3.00	4.00	6.00
10	Beli Siebrecht.....	2.00	3.00	4.00	6.00
11	President Carnot.....	2.00	3.00	4.00	6.00
12	American Beauties.....	3.00	6.00	8.00	10.00
13	Liberty.....	5.00	8.00	10.00	.....

MISCELLANEOUS STOCK. Geraniums, in red, white, pink, salmon, Mme. Salleron, rose. Alternantheras, red and yellow. Cannas, Coleus, Fuchsias, Begonias, Flowering and Rex, Sweet Allysum, Feverfew, Cnphea, Lantanas, Cohea Scandens, Ageratums, Pansies, Verbenas, Salvias, Vincas, Lilies nearly all summer and Small Ferns for Fern Dishes. **Geo. A. Kuhl, Pekin, Ill.**

Please mention the American Florist when writing.

Grafted Roses

LIBERTY, BRIDESMAID, BRIDE and GOLDEN GATE.

BEAUTIES ON OWN ROOTS.

Only the best English Manetti used, and plants are strong and vigorous, with abundant roots. Ready now to ship or repot into 3 1/2-inch pots.

ROBERT SIMPSON,
CLIFTON, N. J.

ROSES FOR FORCING Nice healthy stock, selected from well-grown plants. Sure to give good results.

	2 1/2-in. per 100.	3-in. per 100
American Beauty.....	\$5.00	\$8.00
Perle.....	3.00	6.00
Meteor.....	3.00	6.00
Bridesmaid, extra fine.....	3.00	5.00
Bride.....	3.00	5.00
Golden Gate.....	3.00	5.00
Ivory.....	3.00	5.00

Special price on thousands.

BOSTON FERNS. 2 1/2-in. \$3.50 per 100, 3-in. \$8.50, 5-in. \$25 and 6-in. \$40. Also some fine specimens in pans. **VINCA VAR.** 2 1/2-inch pots, \$3.00 per 100.

Note the low prices on the smaller sizes. **W. H. GULLETT & SONS, Lincoln, Ill.**

American Beauty 3-inch, \$6 per 100

BRIDE and BRIDESMAID, 3-inch, \$4.00 per 100.

GOLDEN GATE, 2 1/2 x 2 1/2-inch, \$2.00 per 100.

ASTERS—Hohenzollern, Giant Comet, Carlson.

Japanese, from flats, 75c per 100; \$6.00 per 100.

COBÆA VINES, 5-inch, \$2.00 per doz.

RHOTEN BROS. CO., Box 5, Danville, Ill.

Rose Plants

BRIDE and BRIDESMAID, from 2 1/2-in. pots, \$3.50 per 100; \$30.00 per 1000; from carefully selected wood—worth the price.

L. B. CODDINGTON, Murray Hill, N. J.

ROSES FOR SUMMER BLOOMING.

Kaiserin and LaFrance \$3 per 100; \$25 per 1000.

VIOLET STOCK, in pots or R. C. Write for prices.

CARNATIONS, from soil, Lawson and Crane.

\$2.50 per 100; \$20 per 1000. These are extra quality stock. Harlowarden, \$3 per 100. M. Glory and Norway, \$2 per 100; \$15 per 1000.

Flora Hill and White Cloud, \$1.50 per 100; \$12.50 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.



American Beauties

Fine Stock from 2 1/2-inch pots, \$5.00 per 100.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROTHERS, New Castle, Ind.

South Park Floral Company.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.

Rose Plants. Extra Choice.
Guaranteed strong, healthy stock.

	Per 100	1000
In 3-inch pots.		
Golden Gate.....	\$4.50	\$35.00
Bride.....	5.00	40.00
Bridesmaid.....	5.00	40.00
Mme. Chatenay.....	6.00	55.00

—Above prices cash with order.—
JOHN BROD, Niles Center, Ill.

Surplus Roses.

Meteor, Bride, Bridesmaid and Golden Gate, from 2-inch ready for 3-inch, \$2.50 per 100. Fine stock, sure to please.

G. VAN BOCHOVE & BRO., Kalamazoo, Mich.
Please mention the American Florist when writing.

SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST.

Seasonable Stock! Order Now!

	Per 100		Per 100
ASPARAGUS DECUWBENS, 2 1/2-inch	\$ 4.00	GERANIUMS, A. H. Trego, E. E. Rexford, Beaute Poitevine, Mary Hill, A. Riccard, Le Colosse, J. J. Harrison, Pasteur, Queen of the West, Little Pink, Mrs. Hill, Double New Life, Jean Viaud, Mrs. A. Blanc, Columbia, Mme. de la Roux	3.00
" MYRIOCLAUS, 3-inch pots	each, \$7.00	" Mrs. Snow; Mrs. Parker	5.00
" PLUMOSUS, 2 1/2-inch	4.00	" Wm. Pollock	5.00
" " 3-inch	7.00	" Wm. Languth	8.00
" " 4-inch	15.60	" Ivy, assorted	4.00
" " 5-inch	25.00	GREVILLEA ROBUSTA, 2 1/2-inch	3.00
ABUTILON, Pres. McKinley	4.00	HIBISCUS, named sorts	2.50
AGERATUM, Stella Gurney, Princess Pauline, Louis Bonnet	2.00	JAPAN IRIS, Imported clumps, 25 kinds	15.00
ALYSSUM, Double Giant	2.00	HYDRANGEA OTAKSA, Thos. Holz and Red Stemmed	4.00
ACALYPHA, Bicolor Compacta, 2 1/2-inch	3.00	" PANICULATA GRANDIFLORA, 3-feet	12.00
AMPELOPSIS VEITCHI, 2 to 3-feet, bushy	14.00	" " 18-inch	8.00
" " 3 to 4-feet, heavy	16.00	LAVENDER, Sweet, 2-inch	3.00
BROWALLIA GIGANTEA, 2 1/2 inch	4.00	LANTANA, Weeping	2.50
BOUGAINVILLEA GLABRA, 4-inch	doz., \$1.50	LEMON VERBENAS, 4-inch	8.00
BEGONIA VERNON, 2 1/2-inch	3.00	MARGUERITES, California White	2.50
CALLA, Little Gem, 2-inch	3.00	" Etoile d'Or	2.50
CYPERUS ALTERNIFOLIUS	2.50	PELARGONIUMS, best named sorts, 2 1/2-inch	5.00
CARNATION, Crusader, 2-inch	8.00	" best named sorts, 4-inch	12.50
" Indianapolis, 2-inch	8.00	PENNISETUM LONGISTYLUM, 2 1/2-inch	4.00
" Mrs. Patton, 2-inch	10.00	PH-LLOCACTUS DEUTSCHE KAISERIN, 3-inch	15.00
" The Belle, 2-inch	8.00	PHLOX, Hardy, best named kinds, 2-inch	4.00
CHRYSANTHEMUMS, best standard sorts	2.50	" Hardy, best named kinds, 1-year field roots	10.00
" Wm. Duckham	doz., \$7.50	PRIMULA OBCONICA, 3-inch	4.00
" Dr. Enguehard	doz., 5.00	" 4-inch	6.00
" Golden Chain	10.00	PANDANUS UTILIS, 5-inch	doz., \$1.00
CYCAS STEMS	per 100 lbs., \$8.00	SAGE, Holt's Mammoth	2.50
CLEMATIS PANICULATA, 4 year old	15.00	SALVIA AUDEBON, New Golden Leaf	4.00
DAHLIAS, Kriemhilde and Bruuhilde, 2-inch	15.00	VINCA VARIEGATA, 2-inch	2.50
" Named sorts, standard kinds, 2-inch	4.00	" 4-inch	10.00
DRACAENA BRUANTI, 6-inch pots, 24-inch high	doz., \$5.00	ROSES, Clothilde Souper, 2-inch	3.00
FUCHSIAS, named kinds, 2-inch, strong	2.00	" " 3-inch	6.00
FERNS, assorted for fern dishes, 2-inch	3.50	" " 4-inch	10.00
" BOSTON, 2 1/2-inch, very strong	5.00	" Mad. Petite Andre, 3-inch	7.00
" " 3-inch, very strong	10.00	" Souv. Pierre Notting, 4-inch	10.00
" " 4-inch, very strong	20.00	" Evergreen Gem, Triumph, 2-inch	2.50
ADIANTUM FARLEYENSE, 2 1/2-inch	8.00	" Universal Favorite and South Orange Perfection, 2-inch	2.50
" " 3-inch	12.00	" Ivory, 2 inch	\$3.00; 4-inch
" " 4-inch	25.00	" Bedding, assorted, 2 1/2-inch	3.50
" " 5-inch	15.00	H. P. ROSES, La France 2-year dormant	11.00
CHARLOTTE, 4-inch	15.00	" Baroness de Rothschild	11.00
CUNEATUM, 3-inch	6.00	" Magna Charta, Ulrich Brunner	11.00
" 4-inch	15.00	" Mrs. John Laing, American Beauty	11.00
" 5-inch	25.00		
PIERSONI, 5-inch from stock	doz., \$6.00		
" 7-inch from stock	doz. 12.00		
" 8-inch from stock	doz., 18.00		

VAUGHAN'S SEED STORE, Chicago. Greenhouses and Nurseries, Western Springs, Ill.

Rose Plants

QUEEN OF EDGELEY, 2 1/2-inch, per 100, \$6.00; per 1000, \$55.00. 3-inch, per 100, \$8.00; per 1000, \$75.00.
 OLD STOCK, per 100, \$5.00

GEO. HARRER, Morton Grove, Ill.

ROSE PLANTS from 2 1/2-inch pots.

Bridesmaid.....\$3.00 per 100; \$25.00 per 1000
 Brides..... 3.00 per 100; 25.00 per 1000
 Golden Gate..... 3.00 per 100; 25.00 per 1000
 Ivory..... 3.00 per 100; 25.00 per 1000

ADIANTUM CUNEATUM.
 Large clumps from beds.....\$10.00 per 100

Geo. W. Waterfield, Wyndmoor, Pa.

ROSES.

BRIDE, MAID, GATE, IVORY.....\$3.00 \$25.00
 PERLE, METEOR..... 3.50 30.00

From 2 1/2-inch pots. Thrifty plants.

WM. B. SANDS, LAKE ROLAND, Balto. Co., MD.

Wanted to Exchange

1,500 Golden Gate or Ivory for same number of Bride plants. These are good plants, 2 1/2-inch pots and want good ones in return.

BENJAMIN DORRANCE, Dorrance, Pa.

SACRAMENTO, CAL.—The spring show of the Pacific Horticultural Society in the grand nave of the ferry building next month will be, if the plans of the committee of arrangements are carried out, one of the most beautiful exhibits ever seen in this city.

CARNATIONS.

2 1/2-inch Gov. Wolcott, Lillian Pond, Apollo, Harlowarden, \$4.00 per 100. 2 1/2-inch Prosperity, Lorna, Palmer, Lawson, Mary Wood, Roosevelt, \$3.00 per 100. F. Hill, Joost, \$2.50 per 100.
ROSES 2 1/2-inch Bridesmaid, Bride, Gate, \$30.00 per 1000; \$3.50 per 100. 2 1/2-inch Chateaufort, \$50.00 per 1000; \$5.00 per 100.
 Cut back 2-year-old Beauties, Maids, Brides and Gates, prices on application.

CHRYSANTHEMUMS.

	Cuttings 2 1/2-in. pot per 100	Cuttings 2 1/2-in. pot per 100
WHITE		
Willowbrook.....	\$1.50	\$2.50
Estelle.....	1.50	2.50
Geo S. Kalb.....	1.50	2.50
Timothy Eaton.....	2.00	3.00
Merry Christmas.....	1.50	2.50
Wanamaker.....	1.50	2.50
Robinson.....	1.50	2.50
Chadwick.....	2.50	4.00
Fitzwygram.....	2.00	3.50
White Bouaaffon.....	2.00	3.00
Crawford.....	2.00	3.00
Ivory.....	1.50	2.50
Jones.....	1.50	2.50
YELLOW		
Bonnaffon.....	1.50	2.50
Appleton.....	1.50	2.50
E. D. Smith.....	1.50	2.50
Omega.....	1.50	2.50
Whildin.....	1.50	2.50
Parr.....	1.50	2.50
Sunshine.....	1.50	2.50
Yellow Jones.....	2.00	3.00
Yellow Eaton.....	2.50	4.00
Pennsylvania.....	2.00	3.00
YELLOW		
Golden Wedding.....	2.00	3.00
Gold Mine.....	2.50	3.50
Monrovia.....	2.00	3.00
Nagoya.....	2.40	3.00
Chautauqua Gold.....	2.00	3.00
Robert Halliday.....	1.50	2.50
Eclipse.....	2.50	4.00
PINK		
Murdoch, Pertain, Morel, Pacific	1.50	2.50
Coombs, Shaw, Quito.....	2.00	3.00
Richardson, Liger, Heno, Maud		
Dean.....	1.50	2.50
Duckham Sensational Pink.....	25.00	30.00
RED		
Childs, Intensity, Schrimpton..	2.00	3.00
BRONZE		
Lady Hanham.....	2.00	3.00
Percy Plumeridge.....	6.00	8.00
Mounier.....	1.50	2.50
C. J. Salter.....	6.00	8.00
T. W. Pickett.....	6.00	8.00
Lord Hopetoun.....	10.00	12.00

Headquarters for Finest Cut Roses and Carnations. Shipments made direct from Greenhouses or Store.

POEHLMANN BROS., Morton Grove, Cook County, Ill.

—PLACE YOUR ORDER NOW.—

"Fiancee"

To Be Disseminated Next January.

CHICAGO CARNATION CO., Joliet, Ill.

Loomis Floral Co., CARNATIONS, Loomis, Cal.

15 Per Cent Discount on all orders to Clean Up Surplus for the next 60 days. Write me your wants at once.

STOCK PLANTS, ROOTED CUTTINGS and PLANTS in SMALL POTS.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT? Store No. 8 Post Office Arcade, BRIDGEPORT, CONN. Greenhouses, 262 Park Ave. David S. Beach, Prop.

A PROSPEROUS FLORIST

Is never idle. A glimpse into my houses will prove this. Even enemies must admit that an unusual amount of work has been done to fill an establishment of so many houses which were emptied at Easter, with such an enormous stock of 150,000 choice bedding plants, an increase of 50,000 from last year. Ready now immediate shipment. Secure bargains for now and Decoration Day.

- Geraniums, La Pilot, double scarlet, Mme. Thibaut, double pink, La Favorite, double white, S. A. Nutt, double crimson, out of 4-inch pots, \$7.00 per 100.
Ageratum, blue, 4-inch, \$6.00 per 100; 3-inch, \$5.00 per 100.
Scarlet Sage, best varieties only, 4-inch, \$7.00 per 100, 3-inch, \$5.00 per 100.
Begonia, Vernon and Erfordi, 4-inch, \$7.00 per 100.
Heliotropes, blue, 4-inch, \$6.00 per 100.
Roses, Hermosa and Hybrid 4-inch, \$10.00 per 100.
Hardy or English Ivies, 4-inch \$10.00 per 100; 3 inch, \$7.00 per 100; 2 1/2-inch, \$5.00 per 100.
Periwinkle, (Vinca Variegata) very strong, 4-inch, \$8.00 to \$10.00 per 100.
Cobaea Scandens, 4-inch strong, \$6.00 per 100.
Begonia, tuberosus rooted, 5 1/2-inch pots, in bloom and bud, \$2.50 per doz.
Pres. Carnot and other mixed varieties, very strong, 5 1/2-inch pots, \$2.00 per doz.
Fuchsias, 5-inch, \$1.50 per doz.
Daisies, yellow and white, 5-inch, \$2.00 per 1000.
Honeysuckle, 6-inch, \$2.00 per doz.
Dracaena Indivisa and Lantana, 6 to 7-inch pots, 50c each.
Hydrangea Otaksa, for out-door planting, 6-inch pots, \$3.00 per doz.
Small plants out of 2 1/2-inch pots, \$3.00 per 100 as follows:
Petunias (California Giant) an inimitable dwarf. Phlox, Drummondii Giganteum, Nasturtium (Empress of India) 3-inch pots, Verbena, Sweet Alyssum (Little Gem), Lobelias, Cupheas, Tradescantia, Pyrethrums (Golden Feather), Alternantheras (red and yellow), Dusty Miller, Parlor Ivy, Lobelias and Coleus, Verschaffeltii, Golden Bedder and Fire Brand.
—25 lots sold at 100 rates.—

Don't forget that I am the Moon Vine grower of the land. Only A. W. Smith's Hybrid Moon Vines, (Ipomea Noctiflora) is exclusively the one I grow and is the only true Moon Vine in America, as Mr. Smith has the world wide reputation of growing the best Moon Vine seed. Please bear in mind that this is no morning glory like so many sell for Moon Vines but the pure white waxy moon flowers as large as saucers. 3-inch, pots, \$7.00 per 100; 4-inch pots \$10.00 per 100. Nicely staked up.

Watch add for Araucarias, Palms and Ficus in about 3 weeks. Please send cash with orders. All goods travel at purchasers' risk. My best thanks to my customers for their liberal patronage at Easter.

Godfrey Aschmann, Wholesale Grower and Importer of Pot Plants. 1012 Ontario St., Philadelphia, Pa.

NEW PINK CHRYSANTHEMUM AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/2 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th. CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y. Jamaica P. O., Woodhaven Station.

Carnation Rooted Cuttings. All the new and standard sorts. Send for price list.

WM. SWAYNE, No. 228, KENNETT SQUARE, PA.

ORCHIDS.

ORDER AT ONCE AS THEY ARE GOING FAST.

TO MAKE ROOM THE FOLLOWING MUST BE SOLD:

- Aerides: Fieldingii, Quinguey, Species. Angræcum Sesquipedale. Brassavola: Digbyana. Cattleya: Bowringiana, Dowiana, Gaskell, Mendell, Schroder, Skinner. Trianae: About 200 plants from 4-inch pots to specimens. Chondroryncha: Chestertonii. Cælogyne: Cristata, Cypripedium: Calurum, Sedenii Candid., Barbatum, Dominianum, Schlimit, Cardinale. Dendrobium: Bigibbum, Phal., Schroder., Formosum, Densiflorum. Epidendrum: O'Brienii, Aromaticum, Lælia: Albida specimen, Dayana, Harpophylla, Yongheana, Praestans, Purpurata, Cinnabrosa (Hybrid), Latona (Hybrid), Lael x Cattleya Sheila. Masdevallia: Hararyana. Miltonia: Vexillaria. Odont: Rossii. Phaius: Hybrid.

PHALAENOPSIS.

Largest stock in America, established and unestablished. Amabilis, Amethyst, Esmeralda, Grandiflora, Luddeman., Rosea, Schilleriana, Stuartiana, Renanthera Storrei, Saccolabium Violaceum, Sobralia Macrantha, Thunia Alba, Vanda Lamellata.

—WRITE FOR PRICES AS PLANTS MUST BE SOLD.—

DR. R. SCHIFFMANN, St. Paul, Minn.

GERANIUMS

- 10 var., 2 1/2-inch pots \$3.00
10 var., 3-in. pots 4.00
Alternantheras, red and yellow, April 15..... 2.00
Seedling Petunias, May Ist..... 2.50
Asp. Plumosus Manus Seeds..... per 1000, \$4.50; 1.00

Cash or C. O. D. JOS. H. CUNNINGHAM, Delaware, O.

Coleus

- 10 varieties, 2-inch pots \$2.00
Vinoz Var. Vines, 2-inch pots 2.50
Asparagus Plumosus Manus, 2-in. pots, July 1... 2.50
Seedlings, ready... 1.75
Asparagus Sprengeri, April 15..... 2.00

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100; \$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimson. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEENS, L. I. Please mention the American Florist when writing.

CHRYSANTHEMUMS.

STRONG, COOL CROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonaffon, White Bonaffon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2 1/2-inch pots, \$2.00 per 100. Special price by the 1000.

COLEUS, Golden Bedder, Verschaffeltii and fancy mixed, 2 1/2-inch, \$1.75 per 100; \$17.00 per 1000. Rooted cuttings, 75c per 100.

H. N. B. ATON, Agent. SO. SUDBURY, MASS.

FIRST-CLASS STOCK AT A BARGAIN

Geraniums, Double Grant, Poitevine, Nutt and Buchner. Salvias, Splendens and Bonfire. French Cannas, yellow, red and mixed. Begonia, Vernon. All extra strong, 4-inch, in bud and bloom, \$5.00 per 100. Extra strong, 3-inch, \$3.00 per 100; \$25.00 per 1000, except Geraniums.

Coleus, golden yellow, crimson Verschaffeltii, red gilt edge and Giant Fancy Mixed. Ageratum, blue, Begonias, Vernon, Lobelia Erecta and Trailing and German Ivy. All extra strong, 2 1/2-inch, mostly in bloom, \$1.75 per 100; \$15.00 per 1000. Geraniums, Mme. Sallerot, strong, 2 1/2 and 3-inch, \$2.00 and \$3.00 per 100; \$18.00 and \$25.00 per 1000. Dracaena Indivisa, strong 5-inch, \$1.75 per doz. Salvias, Splendens and Bonfire. Begonia, Vernon, all extra fine, strong, 3-in, mostly in bloom, \$3.00 per 100; \$25.00 per 1000.

Cobaea Scandens, strong, 3-inch, staked, 2 to 3-ft., \$4.00 per 100. All plants shipped at special rate. Satisfaction guaranteed. Cash please.

WM. HERZOG, Morris Plains, N. J.

Please mention the American Florist when writing.

STRONG, CLEAN AND HEALTHY

CARNATIONS.

FROM 2 1-4-INCH POTS.

- Pink. Per 100 1000
Joel. \$2.00 \$20.00
Marquis 2.00 20.00
Scarlet.
Grane..... 2.50 25.00
White. Per 100 1000
Flora Hill..... \$2.00 \$20.00
Glacier..... 2.50 25.00
Variegated.
Prosperity... 2.00 20.00

—CASH.—

The W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

50,000 Alternantheras Red and Yellow from 2-in. pots at \$1.50 per 100. Rooted Cuttings 50c per 100; \$4.00 per 1000; in lots of 5,000 or over \$3.50 per 1000.

DAVIS BROS., Morriston and Geneva, Ill.

Butte, Mont.

The cut flower business was never better in Butte and the state of Montana than at present. The business has made a wonderful growth in the last three years. Considerable glass has gone up in that time, but there are not nearly enough cut flowers grown in the state to supply the demand. From reports that are quietly whispered about there will be a large plant erected in the near future, somewhere in this state, which will do a wholesale business exclusively. Such a plant would be welcomed here, as there is now no such place in the state and we are far from a market. There are a great many carnations used here. Law Brothers have shipped in as many as 10,000 at one time. There is not much bedding done, although there are quite a number of plants grown and sold. The most of them go the cemeteries, and as they are not cared for as in some of the eastern cities they soon perish from want of care and are replaced by new ones. But like everything else in a mining camp they are being better cared for every year.

Victor Seigel, who has charge of the beautiful grounds of the Columbia gardens, is a very busy man at present getting things in shape for the summer. Mr. Seigel deserves much credit for the fine quality of his flowers and the arrangement of them last season. His pansy beds were especially fine. Ten years ago it was thought impossible to grow flowers in a park near Butte, but since Mr. Seigel has taken hold of the place he has demonstrated that they can be grown in Butte as well as anywhere. Begonias and coleus he had to abandon as the nights are too cold.

Ed. Willoughby, manager of the Mount Maria cemetery, has made wonderful improvement in the last three years in the way of trees, grass and flowers. He takes a great interest in beautifying the grounds and is meeting with much success.

C. W. Scott, representing Vaughan's Seed Store, called on the trade here a short time ago.

Orange, N. J.

The regular monthly meeting and floral display of the New Jersey Floricultural Society was held May 6. A practical and concise paper on "The Commercial Rose from Planting to Cutting" was read by Harry D. May, of Summit. It was his maiden effort, and was well received provoking considerable discussion from a large number of members. The many many questions put to Mr. May, showing the keen interest in rose cultivation at the present time, were answered in a spirit which left the pleasantest of feeling toward the essayist. A display of cut flowers was made by Peter Duff, George Smith and William Bennett and plants in pots were shown by D. Kindsgrab, Malcolm MacRorie and Chas. Ashmead. The orchids Cattleya Mossia, Mendelii and Skinneri and Brassavola fragrans from the houses of William Barr, of Llewellyn Park, who devotes an entire range of glass to these exotics, grown by Arthur Bodwell, were of particular interest. Two new members, Paul Minder, of Newark, and William Reed, who has taken George Smith's place at Colgate's, were admitted and a discussion on new certificates filled out the evening. George Smith has taken possession of the stand of F. W. Massman, East Orange, which he recently purchased.

Jos. B. DAVIS.

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. BOSTON FERNS, 2 1/4-inch, \$3.50 per 100; 3-inch, \$5.00 per 100; 4-inch, \$15.00 per 100. PIERSON FERNS, 2 1/4-inch, \$8.00 per 100; 5-inch, 50c. ASPARACUS PLUMOSUS, 2 1/4-inch, extra fine, \$3.50. CANNAS, F. Vaughan, J. C. Vaughan and Burbank, \$1.50 per 100; \$12.00 per 1000. COLEUS, 15 varieties, \$2.00 per 100. ALTERNANTHERA, Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

Cash Please.

A. J. BALDWIN, Newark, O.

NOW READY
COLEUS
Rooted Cuttings.
VERSCHAFFELTII, GOLDEN QUEEN and FIREBRAND. By express 60c per 100; \$5.00 per 1000. At purchaser's risk by registered mail, 75c per 100.
FRANK A. PIERSON,
CROMWELL, CONN.

Please mention the American Florist when writing.

Geraniums.

The best proposition ever offered. Send for it to day.

ALBERT M. HERR,
LANCASTER, PA.

GERANIUMS.

Extra fine stock in bud. 3-inch Gen. Grant, S. A. Nutt, E. G. Hill, LaFavorite and other varieties, \$4.00 per 100. VINCAS, variegated, long vines, 4-inch pots, \$3.00 per 100. HYDRANGEA OTAKSA, 6-inch, 3 to 4 buds, \$2.50 per doz. Cash.

GEO. H. BENEDICT, Yorkville, N. Y.
Please mention the American Florist when writing.

Geraniums.

20,000 plants in 12 good varieties. From 2-inch to 6-inch. WRITE FOR PRICES.

J. W. DUNFORD,
Broadway & Franklin Aves., St. Louis, Mo.

CYCLAMEN

Pers. Spl. Gigantum. Finest strain in the world in four true colors (separate) twice transplanted from flats, \$3.00 per 100; \$25.00 per 1000. Extra fine plants from 2 1/4-inch pots, \$5.00 per 100; \$45.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Giant Clyclamen. My own strain. The best that can be raised. Once transplanted, \$2.00 per 100; \$18.00 per 1000. 3 inch, \$3.00 per 100. Sprengeri, from flats, 75c per 100; \$6.00 per 1000; 3-inch, \$4.00 per 100. Hardy English Ivy, very strong 4-inch, \$12.00 per 100. Cannas, 4-in., Kate Gray, Pennsylvania, Alie-mania, McKinley, Crozy, Florence Vaughan and others, \$6.00 per 100. Celadium, 5-in., \$12.00 per 100. Geraniums, 4-in., best standard, \$8.00 per 100.

C. WINTERICH, Dellanca, O.

FOR **Bay Trees,**

PALM, DECORATIVE PLANTS, ORCHIDS. All sizes. Apply to

Julius Roehrs, Rutherford, N. J.
—EXOTIC NURSERIES.—

BEDDING PLANTS

GERANIUMS, Nutt, Le Soleil, Marvel, Grant, Beaute Poitevine, LaFavorite, A. Riccard, Mme. de Castellane, Jean Viaud.

Per 100 Per 1000
4-inch.....\$7.00 \$65.00

HELIOtropES.

4-inch..... 7.00 65.00
Will average 6 to 8 shoots.
2 1/2-inch..... 3.00 25.00

SALVIA, Scarlet Sage, Bonfire.

4-inch..... 6.00 50.00
2 1/2-inch..... 2.50 20.00

LOBELIA, 3-inch..... 4.00
Loaded with buds and blooms.

We wish to call special attention to the fact that our plants have been given plenty of room and are exceptionally fine, bushy and well branched, all in bud and flower.

Larchmont Nurseries,
Larchmont, N. Y.

Please mention the American Florist when writing.

PANSIES.

100,000 Now in Bloom.

Extra large field-grown plants. They are the Kind that Sell. Per 100, \$2.00; per 1000, \$20.00.

Seedlings, \$3.00 per 1000.

ALBERT A. SAWYER, Pansy Specialist,
Successor to Thos. J. Corbrey.

23-33 S. Harlem Ave., OAK PARK, ILL.
Telephone, Harlem 2342.

Please mention the American Florist when writing.

500,000 PANSIES.

Pansies that give satisfaction wherever used. \$10, \$15 and \$20 per thousand, according to size.

I. E. COBURN, Everett, Mass.
Please mention the American Florist when writing.

Coleus VERSCHAFFELTII GOLDEN BEDDER FIREBRAND

2 1/2-inch pots, \$2.50 per 100; \$20.00 per 1000.

ROOTED CUTTINGS, 75c per 100; \$6.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

OUR DIRECTORY FOR 1904 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

Albany.

Arthur Cowee, the gladioli specialist of Berlin, Rensselaer county, is at St. Louis making preparations for an extensive gladioli exhibit at the exposition. During the growing season Mr. Cowee will secure a large number of blooms from a plot of four acres which he has arranged to plant with bulbs on the farm of Louis F. Dintelmann, of Belleville, Ill. The blooms will be sold at the exposition grounds.

L. H. Menand and Mrs. Gloeckner, of Cemetery avenue, have just installed a new and adequate water supply. A 4-inch main has been laid to a pond in the Albany Rural cemetery. With an elevation of seventy-five feet at the source of supply the pressure is all that could be desired. Mrs. Gloeckner has let the contract for a new house to replace an old one to the Pierson-Sefton Company.

The Municipal Improvements commission of Troy has selected Harry P. Fielding landscape architect for Prospect park to succeed Garnet D. Baltimore, whose time has expired.

Lord & Burnham Company has a number of men busily engaged in rebuilding the greenhouses of F. A. Danker on Central avenue, which were badly damaged by fire last winter.

Whittle Brothers have begun to tear down two houses to be replaced by others of modern construction. The houses are 20x150 feet and are devoted to carnations.

John H. Jackson, a well-to-do tile manufacturer, will erect a conservatory to be attached to his house, Brookside avenue, Menands, this summer.

R. D.

VIOLET PLANTS.

Princess of Wales. Field-grown, well-rooted delivered at \$15.00 per 1000 or \$2.00 per 100.

Remember we pay the express charges. Cash with order.

Ocean Park Floral Co., Ocean Park Cal. E. J. VAWTER, President.

VIOLETS.

I make a specialty of violets. Grow them in cold frames. My stock is perfectly healthy. Marie Louise and Swanley White. Write for my low prices on strong plants. Will exchange some for choice hardy roses and carnations.

CHAS. KOEPPEN, Fredericksburg, Va.

VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

Fuchsias.

1 1/2-inch pots, in variety.....\$2.50 per 100
2 1/2-inch pots, in variety..... 4.00 per 100

Sansevieria Zeylanica. 2 1/2-inch, strong..... 4.00 per 100
3-inch, strong..... 6.00 per 100

Per 100
Geraniums—Good plants.....\$4.00
Strong plants, bud and bloom..... 6.00

Heliotrope of sorts, good stock..... 4.00

Coleus—Rooted Cuttings, 75c per 100; Plants 2.50

Alternantheras—3 kinds, Rooted Cuttings... .50
Plants, bushy.....2.50

Begonias, in good assortment..... 4.00

ROBERT S. BROWN & SON,

Box 335, KANSAS CITY, MO.

SMILAX.

2 1-2 inch pots, \$2.50 per 100; \$20.00 per 1000.

HOLTON & HUNKEL CO., Milwaukee, Wis.

ASPARAGUS SPRENGERI, Choice stock ready for a shift. 3 1/2, 5, 6 and 7-inch pots, at \$4.00, \$8.00, \$20.00, \$35.00, \$50.00 and \$75.00 per 100. Roses, Geraniums, Boston Ferns, Asp. Plumosus, Vincas, English Ivy, Lettuce and Tomato Plants. For prices see issue May 7. J. H. BORNHOEFT, Tipton, Ind.

FERNS.

Nephrolepis Piersoni, strong plants from 2-inch pots, \$8.00 per 100.

Fall planted stock from bench, ready for 4-inch pots, \$20.00 per 100.

Nephrolepis Bostoniensis, fall planted, ready for 4-inch pots, \$10.00 per 100.

HARDY PLANTS.

All the following are last season's propagation:

Anemone Japonica, from 2-inch pots, \$4.00 per 100, including the following varieties: Alba, Queen Charlotte and Elegantissima.

Acquilegia, (Long Spurred, mixed), 2-inch pots, \$3.00 per 100.

Helenium Autumnale Superbum, strong divisions, \$4.00 per 100.

Digitalis, extra strong, 3-inch pots, \$3.00 per 100.

Hellanthus Sparsifolia, grand novelty for cutting, 25c each; \$1.50 per dozen.

Oriental Poppy, 3-inch pots, \$5.00 per 100.

Pyrethrum, strong clumps, \$6.00 per 100.

Rudbeckia Newmanii, 2 1/2-in. pots, \$3.00 per 100.

Rudbeckia Triloba, 3-inch pots, \$5.00 per 100.

Nathan Smith & Son, ADRIAN, MICH.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE, 2 1/2-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, In Best
CARNATIONS, for all delivery, Varieties
CHRYSANTHEMUMS.
SMILAX, VIOLETS.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Stanley Ashton & Co., Southgate, England.

The live British Orchid growers and importers supply plants singly or by thousands with equal pleasure. Write for quotations and American testimonials. Brazilian species in bulk shipped direct from Brazilian port. Hybrids a great specialty.

Cannas 5,000 J. D. Eislie, the best red, slightly started, at \$3.00 per 100; \$25.00 per 1000.

3,000 Mile Berat, the best pink canna, \$1.00 per 100; \$8.00 per 1000. Also strong 4-in. pots of the following varieties: Beaute Poitevine, David Harum, Egandale, Niagara, Sam Trelease, \$1.00 per dozen. J. D. Eislie, Mrs. Robt. McKeand, Capt. Drugeon, 75c per dozen.

W. W. COLES, Maple Hill Rose Farms, KOKOMO, IND.

5,000 Chrysanthemums.

Mrs. Jerome Jones, 2-inch pots, thrifty plants, \$2 per 100; \$18 per 1000.

THOS. H. PATTERSON

278 Old York Road, BALTIMORE, MD.

BOSTON FERNS —A1 POT GROWN.—

6-inch.....each, 40c
5-inch.....each, 25c
4-inch.....each, 15c
3 1/2-inch.....each, 12 1/2c
3-inch.....each, 8c

PIERSONI FERNS.

6-inch.....each, 50c
3 1/2-inch.....each, 15c

GERANIUMS.

4-inch, \$8.00 per 100; 3 1/2-inch, \$6.50; 3-inch, \$5; 2 1/2-inch, \$3.50 in the following varieties: Red, S. A. Nutt, Pasteur, Le Soliel and Trego. White, La Favorite and Mme. Carnot. Pink, Jean Viand, Salmon, E. G. Hill. Write for discounts on 100 lots.

The Cation Greenhouse Co. 1101-03 Fifth Ave., PEORIA, ILL.

Please mention the American Florist when writing.

PALMS. Per 100 Per 1000

Phoenix Canariensis, 2 1/2-in.....\$2.00 \$18 00
Phoenix Tenuis, 2 in..... 2.10 17 00
Wash. Robusta and Filifera, 2 1/2-in..... 2.00 18 00
Corypha Australis, 2 1/2-in..... 2.00 18 00
Chamaerops Excelsa, 2 1/2-in..... 2 00
Kentia Forst. and Bel., 2-in..... 6.00 50 00
Ptychosperma Alexandra, 2-in..... 2.00 18 00
Lantania Borbonica, 2 1/2-in..... 2.00 18 00
Chamaerops, Lantania, Ptychosperma, from benches..... 1.00 8 00
Dracena Indivisa, 2-in..... 2.00 18 00
Asparagus Sprengeri, from flats, 1 yr. 1.00 8 00
Asparagus Sprengeri, from open ground, for 7 in..... 15 00
Araucaria Excelsa, 1 1/2 to 3 feet, 90c to \$1.75 each.

EXOTIC NURSERY, Santa Barbara, Cal.

Please mention the American Florist when writing.

Smilax Seedlings, 25c per 100 by mail; \$2 a 1000 by express. SALVIA, Silver Spot, \$2.00 per 100. MOONVINES, blue, 2-in. strong, \$2.00 per 100. VINCA, variegated, 2-inch, \$1.25 per 100; \$10.00 per 1000.

Rooted Cuttings Prepared. STEVIA, variegated, 75c per 100. AGERATUM, Gurney, Pauline, ALTERNANTHERA, yellow, 50c per 100. VINCA, variegated, FUCHSIAS, 5 kinds, 75c per 100. PETUNIA, double, 12 kinds. HELIOTROPE, blue, CHRYSANTHEMUMS, 10 best standards, \$1.00 per 100; prepaid for 10c extra. COLEUS, 10 best bedders, 50c per 100. SALVIA, Splendens, Bonfire, Silver Spot, 90c per 100.

BYER BROS., Chambersburg, Pa.

PLANTS. Per 100

ROSES—Bride and Bridesmaid, 3-in.....\$4.00
COLEUS—Golden Bedder and Verschaffeltii, 2 1/2-inch..... 2.00
Assorted, 2 1/2-inch..... 1.50
LOBELIA—Trailing, blue, 2-inch..... 1.50
AGERATUM—Blue, white and Princess Pauline, 2 1/2-inch..... 1.50
VINCA VARIEGATA—2 1/2-inch..... 3.00
GERMAN IVY—2 1/2-inch..... 1.50
ENGLISH IVY—2 1/2-inch..... 3.00

CASH PLEASE.

R. I. HART, Hackettstown, N. J.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

Lowell, Mass.

Business the last week has taken on a new aspect. Everybody has been on the jump, with plenty of funeral work and an occasional wedding decoration to look after. For June several good weddings are on the calendar. The supply of cut flowers at present is superb, with the exception of Bride and Bridesmaid roses and they are just beginning to wear a worried look owing to the unusually hot weather we have had to contend with the last ten days. Brunners of excellent quality are to be seen on every side. At no time this year have the Beauties been so good. The way carnations are coming in would indicate that some one is liable to be minus on Memorial day. Great activity is seen around the greenhouses that grow bedding plants. Owing to the extreme hot weather orders for plants for planting out purposes have been heavy. Very good stock is being offered for sale. For geraniums \$1.50 per dozen seems to be the prevailing figure. So far there has been an unusual demand for dahlias and gladioli bulbs for owing to the severe winter a great many bulbs were frozen.

The old Sheppard place on Fairmount street is a sorry looking spectacle just now. It has been abandoned for a couple of years and everything has gone to ruin. It is only about ten years ago that Sheppard's Garden, as it was called, was the finest commercial place in all New England, but for lack of good management, owing to the infirmities of the now deceased proprietor, things went from bad to worse.

The greenhouses that were built on Roger road several years ago are to be occupied at last. We do not know who the owner is, but things are being put into shape for growing plants. When the houses were erected it was for the purpose of growing violets, but there were so many fingers in the pie that no agreement could be reached.

We note by a recent issue of the AMERICAN FLORIST that our old friend Robert Miller is now at Cleveland, O. We congratulate J. M. Gasser on securing the services of so able a rose grower.

Tingley, of Tewksbury, Mass., is cutting some excellent long-stemmed pansies which, hunched up prettily, are taking the place of violets in a good many cases.

Whittet & Company are making a good showing of longiflorum lilies, some plants, one bulb to a pot, carrying twenty-five to thirty of the most exquisite blooms.

A. C. Tingley, of Tewksbury, has returned home from a duck shooting trip. A. M.

Jacksonville, Fla.

The seventeenth annual meeting of the Florida State Horticultural Society was held here from April 26 to 28 inclusive with three sessions each day. Many papers on subjects of interest to the horticulturists in the state were read by prominent members of the society and important reports from the standing committees heard. The only change in the officers was the election of E. O. Painter as secretary to fill the place of Stephen Powers, deceased. The officers for the ensuing year are:

President—George L. Taber, Glen St. Mary.
 Vice-presidents—Dr. George Kerr, Pierson; Geo. W. Wilson, Jacksonville; F. D. Waite, Palmetto.
 Secretary—E. O. Painter, Jacksonville.
 Treasurer—W. S. Hart, Hawks Point.
 Executive Committee—Rev. Lyman Phelps, Sanford; E. S. Hubbard, Federal Point; C. T. McCarty, Eldred.

Boston Ferns.

Prices—2½-in., \$4.00; 3-in., \$8.00; 4-in., \$ 5.00; 5-in., \$25.00 per 100; 8-in., 40c; 7-in., 60c; 8-in., 75c each. **PIERSONI FERNS**, 2½-in., \$8.00 per 100; 4-in., 35c; 5-in., 50c each. **ALTERNANTHERAS**, red and yellow, strong rooted cuttings, 50c per 100; \$4.00 per 1000. Special price on large quantities.

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WYNCOTE, PA.

Areca Lutescens

Kentia Belmoreana

Kentia Forsteriana

GROWER OF

For our prices see page 551, Nov. 7th issue

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Asp. Plumosus and Sprengeri.

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ASPARAGUS PLUMOSUS NANUS.

True Stock. Thrilly and well-grown plants.

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ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

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2½-inch **VINCA VAR.**, **LOBELIA**, **SALVIA**, **COLEUS**, **ALTERNANTHERA**, red and yellow Single and Double **PETUNIA**, **HELIOTROPE**, Golden Gate and Bridesmaid **ROSES**, **DRACAENA INDIVISA**, **VERBENA**, **LEMON VERBENA**, \$2.00 per 100.

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Asparagus Sprengeri, 2-inch.....\$2.00

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Asparagus Plumosus, from flats..... 1.75

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Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. **Asp. Sprengeri**, 4-inch, \$6.00 per 100. **Dracaena Indivisa**, 3-inch, strong, \$8.00 per 100. **Kantias, Ficus, Coleus**, R. C., red, yellow and black, \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000; 60c per 100. 100,000 bedding plants in Geraniums, Heliotropes, Fuchsias, Lantanas, Ageratum, Single and Double Petunias, Asters, Coleus, Lemon Verbenas, Dracaenas, Vincas, German Ivy, Lobelia, Alternantheras, red and yellow, etc. Prices on application.

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2½-in. 3c; \$30.00 per 1000. 3½-in. 7c; \$70.00 per 1000.

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2½-in., 5c; \$50.00 per 1000; 3½-in., 10c; \$100 per 1000. 5-in., 25c; \$25.00 per 100. 8-in., 35c; \$35.00 per 100.

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"	7.	6x16x20.....	5.50	54.00
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Cincinnati.

At the present time we are having a tremendous glut of flowers, for a few warm days has brought roses and carnations on with a rush and prizes have dropped accordingly. A buyer can obtain flowers at his own figure, and street fakirs are in their glory. One of them informed the writer this week that he bought \$3 worth of carnations in one of the wholesale houses and realized nearly \$20 out of them. So the growers can not expect very big returns this week, but they all say the sun has brought out nearly all the buds in sight, which will make flowers a little scarce for Decoration day. Locally there is very little doing in business, but a little shipping trade relieves the market of considerable stock. Smilax is still scarce. Bulbous stock is about over, but there are plenty of longiflorums and callas.

The daily press for the past year has been printing some glowing articles about expending a million dollars for park purposes, but up to the present time it is all talk and no action. We hope our city fathers will get busy in the near future and spend some of the taxpayers' money for this purpose.

W. A. Mann is no longer connected with the Ohio Cut Flower Company.

George Corbett sends in some nice bunches of pansies. A. O.

Tarrytown, N. Y.

The regular monthly meeting of the Tarrytown Horticultural Society was held Tuesday evening, April 26, in the Vanderbilt building. A beautiful display of calceolarias was seen at this meeting for which D. MacFarlane, gardener for Mrs. H. Walter Webb, Scarborough, was awarded President Ballantyne's prize of a tountain pen. It was decided to hold the annual June exhibition in the Lyceum, Tarrytown, Thursday, June 9, to be open from 3 p. m. to 10 p. m. Frances Pammer was elected manager. The society offers a second prize for the best twelve blooms of Dr. Enguehard chrysanthemums for which the F. R. Pierson Company has already offered a silver cup for first prize at the November exhibition.

The last Tuesday in May being ladies' night, the society hopes for a large attendance of members and expects to have a very pleasant evening's entertainment at which ice cream, sandwiches and coffee will be served.

An essay on calceolarias was read by Wm. Scott which was very freely discussed by D. MacFarlane, Jas. Mooney, Wm. Brewer, Jas. Scott and others.

T. A. LEE.

GRAND MARAIS, MICH.—The May meeting of the Grand River Valley Horticultural Society was held May 10 at Henry Smith's greenhouses on West Bridge street. The general subject for discussion was "Cultivation," and the subject treated of weeds, and moisture, and implements and methods, and how to reduce labor to the minimum, and secure the maximum results.

UTICA, N. Y.—Frank J. Baker has purchased a tract of land on Sunset avenue, part of the shooting grounds of the Oneida County Sportsmen's Association, on which he will erect greenhouses containing 25,000 square feet of glass. There will be six houses, each 18x150. They will be joined at one end and will be heated by two seventy-five horse-power tubular boilers, steam being used. These houses will be used entirely for growing roses.

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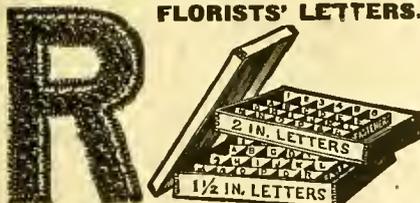
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1500 2-in., in crate, \$4.88	120 7-in., in crate, \$4.20		
1500 2 1/2 " " 5.25	60 8 " " 3.00		
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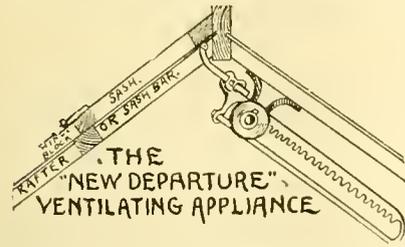
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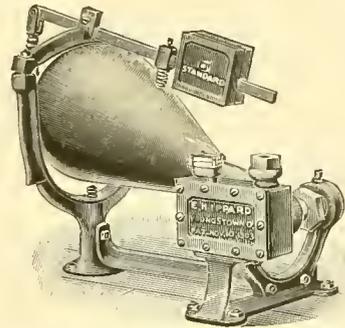
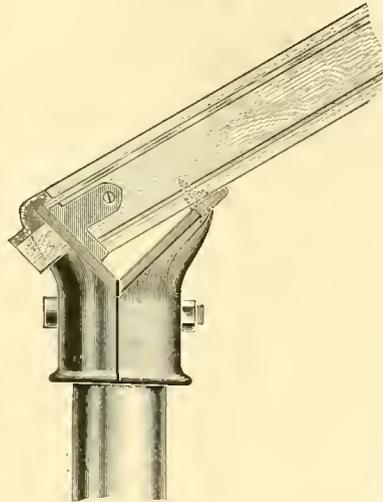
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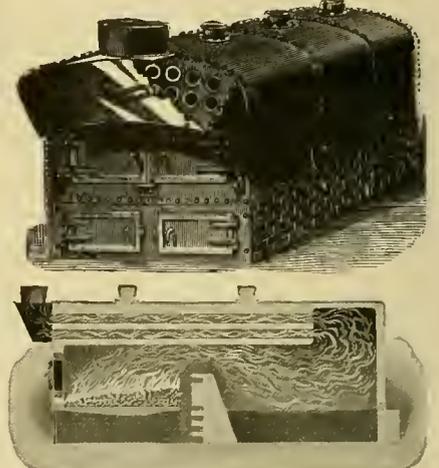
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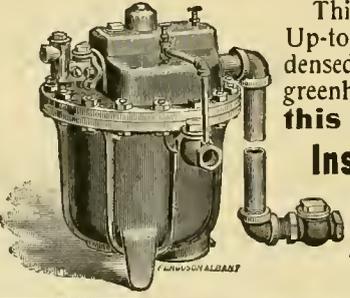
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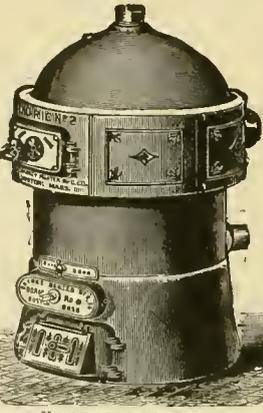
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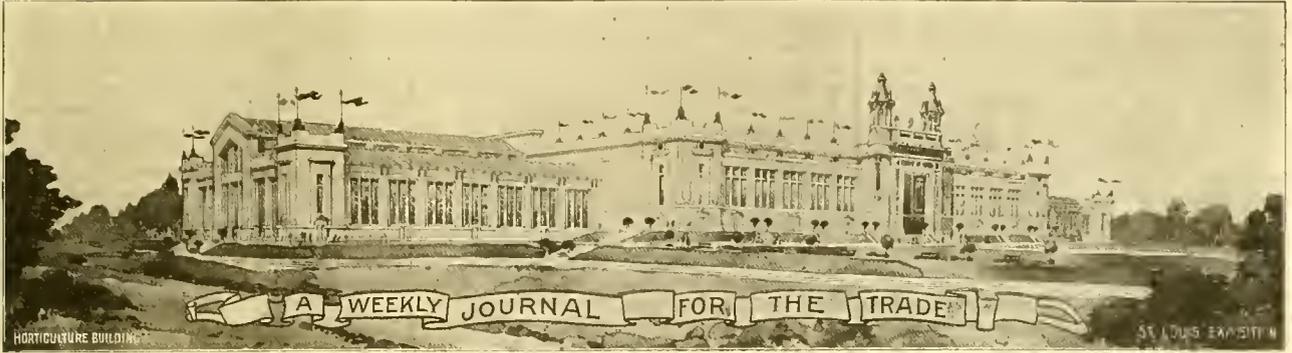
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Vol. XXII.

CHICAGO AND NEW YORK, MAY 21, 1904.

No. 833.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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For World's Fair Visitors.

From the city take the Market street electric cars for the entrance nearest to the Horticulture building. The Union railroad station is located on Market and Eighteenth streets.

Get off at station 10 on the intermural railroad for the Horticulture building. Other reasonably convenient stations are 7, 8 and 9.

Prof. L. R. Taft, who has charge of the judging in the horticultural classes, is now at his office in the Horticulture building.

Chief F. W. Taylor's office is at the south end of the Agriculture building, the end nearest the Horticulture building.

Superintendent Hadkinson's office is in the Horticulture building.

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Some Forcing Bulb Records

FOR SEASON OF 1903-1904 IN NEW YORK.

The Profits and Losses of Growers.

The assiduity with which traveling agents of foreign bulb growers now canvas all sections of this country and the ease with which the small grower may produce his own bulb flower crops at will have been among the influences working of late years to the disadvantage of the city wholesalers and shippers and the large growers who force in quantity for the wholesale demand. Owing in part to the development of carnation, rose and violet culture and largely to the mysterious changes in the caprice of the buying public, bulbous flowers have been gradually losing the prestige they once enjoyed in the metropolitan flower markets. Whether the wheel of fortune shall whirl them into prominence again in the near future is something nobody can foresee, but until it does the financial results to the growers for the past few years would indicate that careful management and a close watch on the weak spots is the only safeguard against an actual loss in the aggregate business of the season. Some varieties at favoring times bring prices showing a good profit but it is to the full results from all for the entire season and not to these isolated instances that the grower must look for comfort or the reverse.

Taking up the various popular bulbs in their succession as to flowering time, the Paper White narcissi are the first on the list. These cost last season from \$8 to \$8.25 per 1,000 delivered here. Quality was generally good and the flowers brought \$2 per hundred at the outset, later dropping to \$1. The latter price does not pay, for, even at the best, at least ten per cent of the bulbs will run blind and frequently the proportion is much greater. Single-nosed Paper Whites are the safer as the double-nosed are very liable to give a crop of leaves and nothing else.

Next in earliness are the French Trumpet Major narcissi which cost as a rule, about the same as Paper Whites. The percentage of flowerless bulbs in this variety which the grower should take into his calculations is very large for, although in occasional years, like the last one, there is a chance to get ninety five

per cent of flowering bulbs, he may be well satisfied if he gets thirty-three per cent to flower, and if he gets fifty per cent he is in luck. Appearances count for nothing in estimating on flowering capacity and there is no possible advantage in offering or paying a higher price for specially selected stock. This French variety is not as good as the Dutch but is the only yellow stock available so early in the season, so cannot well be dispensed with. Some inexperienced growers, misled by the high flowering percentage of last fall, started the selling price for blooms in the market at \$2, a very foolish price as, on the average for several years, there is no profit in French Trumpets at less than \$5 per hundred. The Campernelles, which can be brought in at about the same time, are very floriferous and their sweet perfume sells them if marketed before New Year, after which the market is well supplied with higher grade varieties. They cost \$4 per 1,000, all will bloom, and the product brings from \$1.50 to \$2 per 100. All the above named varieties can be brought in for Thanksgiving and their season extends over Christmas.

Prices on Roman hyacinth bulbs were high last season, the regular grade of "thirteen ctm. and over" costing about \$23 per 1,000 on this side. The flowering average was very poor. The grade above quoted should have produced at least two good spikes to the bulb but usually the result was one medium and one small spike. As from Thanksgiving clear through to March 15 the best flowers had to be sold at \$2, and the lower grades at \$1 per 100 with the sole exception of a couple of days at Christmas when prices were a trifle better, it will be seen without much brain effort that there was no money in Roman hyacinths last season. Growers generally complain that the sizes are too closely shaved in the present method of sorting. Buy a case of "12-15 ctm.," so called, and out of the 2,000 bulbs there will be about 1250 of twelve ctm. and fifty of the larger sizes, generally on the top for effect. Twelve ctm. bulbs will produce on an average one good and one poor spike. Thirteen centimeters should give two

fair and one or two small. Fifteen ctm. will produce two or three large and three or four small. Eleven ctm., the smallest size quoted, is good for but one fair spike. These facts sufficiently indicate the advantage in being able to order and receive uniform grades with not so wide a latitude as is given in "twelve to fifteen ctm." Twelve to thirteen, thirteen to fourteen and fourteen to fifteen ctm. would afford the desired uniformity and close assortment, would be a big benefit to the trade in general and particular buyers would not object to paying more under such conditions.

The French Double Von Sion which can be brought in easily for December sales would fill a good place if growers were able to discover the secret of getting all the flowers yellow. As it is, fully fifty per cent of the flowers produced come green and no one is thus far able to explain why. The cost of bulbs last season was about \$12 per 1,000 and as the flowers, when good, sold with fair regularity until middle or latter part of January when the Dutch stock came in to supplant them, it appears that with the color problem solved the cultivation of the French Von Sion would yield a fair profit.

The Dutch Trumpet Major begins to come in soon after January 1. The price of the bulbs varies but little from \$9 a thousand from year to year. They bloom freely and surely, many producing two or three flowers, so that from a hundred bulbs 150 to 200 flowers are a reasonable certainty. These brought \$2 per hundred all through the season until April 1, after which they were not desirable because of the many fancy varieties then available. Double Von Sion raised on sandy soil can be had in flower by January 20. The cost of bulbs last year was \$8 per 1,000 for flowering size, \$10 for first size and \$18 for extra selected per hundred. Of the cheap grade ninety-

five per cent will give one flower, first size is sure for 100 per cent one flower each and the selected will give two or more flowers each. The first size is best to handle as it gives the most perfect flowers. The price of flowers for the first two weeks was \$3 per hundred. It then dropped to \$2 and at intervals during Lent the product had to be unloaded as low as 50 cents a hundred to clean up the surplus. They cannot be considered as having been profitable this season. Golden Spur did a little better but is next year liable to be overdone in consequence. These cost \$15 for first size and \$18 for extra, but although the extra size bulbs can be relied on up to a limit of 150 flowers to each 100 bulbs the flowers suffer in size when more than one is produced from a bulb, hence number one is the best bulb to buy. The flowers sold at \$4 at the start, then dropped to \$3 and \$2, and many went as low as \$1.25 per hundred. Judging by the order books which the Dutch travelers took home with them next year is likely to see a slaughter. Better than Golden Spur, if the true stock is obtained, is Henry Irving. Identical in color, the trumpet is more frilled, and it is possible to bring it in a little earlier than Golden Spur. It cost \$15 and the flowers sold just a trifle better at times than the Golden Spur did.

Poeticus ornatus, free flowering, a bloom of artistic form, sweet scented and well liked, can be had as early as February 1. It brought \$2 down to \$1.50 throughout the season. The bulbs cost \$4 to \$5 per 1,000. Bicolor Horsfieldii, the cleanest cut and most striking of the commercial narcissus family, can be had as early as Golden Spur and can now be bought as low as \$15 per 1,000. In England this flower is appreciated; here the taste of the people lags in development but there is a gratifying and constant advance. A few years ago the Double Von Sion was the only one the

New York market would take. Horsfieldii will produce from two to three flowers to the bulb if of good grade. The last season the flowers sold for \$3 and \$2, a fair profit being possible at these figures. Bicolor Empress is another fine one later than Horsfieldii, costing about the same and serving to lengthen the season. Princeps is a good old standby, blooming easily and freely from the middle of February and costing but \$6 per thousand. Last season the flowers brought from \$2 down to 50 cents a hundred. Bicolor Victoria is the latest narcissus and the cream of the bicolors. The past year is the first one in which its price was low enough for the commercial man to touch. It must stay for a while in the fancy trade as the bulbs are worth \$25, but the stem is stiff and the flower grander in all respects than any of the preceding. Emperor, the boldest type of the narcissus family, unfortunately cannot be had before the middle of March or first of April. For a bulb costing \$16 to \$18 the price of the flowers, \$4 down to \$1.50, is not encouraging but it comes at a time when the market is glutted.

Of the tulips, Duc Van Tholl, the earliest bloomer, finds but a slim sale. The flowers don't hold their shape in this climate but flop open before the petals have fully developed. The white Duc was fairly profitable last Christmas. Proserpine, the next in earliness, has been so much in demand for the past few years that the price has advanced from \$8 to \$20 per thousand. Three dollars was the top limit for the flowers last season and so it was not profitable. Salvator Rose, double pink, is another that has advanced in price, the bulbs costing \$24 last year. The flowers brought from \$6 down to \$4 per 100. La Reine at \$6, Yellow Prince at \$9 and Vermilion Brilliant at \$18 per 1,000 are the popular mid-season varieties. The flowers brought fair prices during February and March, after which they sold too cheap. Tournesol at \$11, Murillo at \$16, Coronne d'Or at \$25, Keiserskroon at \$9 and Montresor at \$14 a thousand are a little later than the foregoing. Averaged up they probably paid their way but no more than that. The higher priced ones are too high for this market and the cheaper ones have to make up the difference. For latest forcing Rose Grisdelin at \$12, Coleur Cardinal at \$20, Belle Alliance at \$14 and Rose Luisante are the leaders. The same story as to prices applies to these also and the market is unwilling to pay remunerative rates for the bloom. Red tulips were scarce and generally dear last year but the market takes no cognizance of this fact and expects the flowers from high priced bulbs at the same figure as those from the low priced bulbs. The varieties just enumerated also have to come in contact with the high-water crop of fine carnations and roses, as the season goes here, and at from \$4 down to \$2.50 per hundred which was the prevailing selling price this year they do not bring what they merit in cost or quality.

A word in closing as to the lily of the valley market. Experience this year seems to indicate that its culture is unquestionably overdone. So much inferior stock is placed on the market that the standard of the flower as a choice article is injuriously affected and prices have been dragged down until there is no longer any profit assured to the forcer. The European growers and exporters are making a costly mistake in apparently thinking, from the rapidly increased demand of recent years, that anything is good enough for the Ameri-



A FINE CATTLEYA MOSSIAE.

can trade. So bold have they now become that cases sold as first-class are found to contain often three or four grades. Add to this avoidable drawback the fact that on account of exposure to the rigors of the unprecedented cold weather in transit and on docks last fall much of the stock was so injured that development was imperfect and inferior flowers were the result. Prices for the bloom ran lower than ever before and there was no margin for the grower even without taking into consideration incidental failures and miscalculations which are always possibilities in any establishment. Importers should see to it that avoidable defects should be remedied and insist on the absolute integrity of grade as represented by the exporters clear through from top to bottom of case and from circumference to center of bunch. At present there must be lots of second-class pips lying around in cold storage which will probably show a shrinkage of thirty-three per cent that could have been avoided by rigid examination and resolute action at the proper time. For much of the information as to prices and other matters contained in the above we are indebted to W. H. Siebrecht, of Astoria, N. Y.

A Fine Cattleya Mossiae.

The plant shown in the illustration is one of a recent importation from Caracas which was received by Julius Roehrs in April and bloomed as shown in May, bearing 142 perfect flowers. *Cattleya Mossiae* is the species which must be depended on for spring bloom, following the winter-blooming *Trianae*. The flowers are large and the lip usually deeply crimped and fringed. No other orchid excels it in beauty or in free-flowering characteristics.

Galega Hartlandi.

The illustration herewith, reproduced from a photograph, shows the new *Galega Hartlandi* as grown by Wm. Baylor Hartland, of Cork, Ireland. It is a hardy herbaceous perennial, which grows to a height of about four feet, with handsomely variegated (green and white) pinnate foliage, and flowers like those of *Wistaria Chinensis* in color, produced in much profusion from June to September. It is said to be excellent for cutting.

Notes on Aquatics.

The unusual lateness of spring and the ever recurring cold waves have delayed operations in all branches of horticulture. Signs of life, however, are again apparent in plants, shrubs and some trees, showing in some cases disastrous results from the severe winter. In many cases it will not be possible to note results on the condition of water lilies as they will not be visible on account of deep water and cannot be examined as other plants can, but there is little danger of any hardy *Nymphaea* suffering from frost providing there has been water of greater depth than the unusually thick ice that has prevailed the last winter. It is quite possible that some of the European and Asiatic varieties may have been frozen with no ill effects being apparent. They will bear freezing to some slight extent. But no American variety will and as many of our choicest *Nymphaeas* are hybrids of American and European parentage, it is too risky to run any chances in wintering over. So when



GALEGA HARTLANDI.

planting or constructing ponds see to it that there is a greater depth of water than any unusual thickness of ice that may form in the locality.

In some cases natural ponds or others with sloping banks have suffered through the heaving of the soil by continued freezing and the crumbling away by thawing out on the surface followed by heavy rains before the sub-soil was thawed. All necessary repairs should be pushed to completion, and preparations be made for planting or renewing of old plantations. As soon as stock is found to be growing it will be safe to transplant or thin out where necessary. Plants of such strong growing varieties as *Nymphaea chromatella* and others of the *Marliacea* group, also *N. Gladstoniana* and *tuberosa* in variety after two or three seasons, require thinning out, otherwise the leaves become much crowded and will push out above the water surface, hiding the flowers from sight. The flowers, too, will be much below normal size and deficient in color. The foliage is also liable to attacks of red spider in hot, dry weather. To obtain large, attractive flowers the plants must not be crowded and where

they are grown in tubs or large boxes is will be found necessary to dig up the plants, renew the soil and replant. When doing this work select the strongest crowns, planting three or four in a box four feet square and one foot or fifteen inches deep. Use good, turfy loam and thoroughly rotted cow or barnyard manure, one of the latter to two of the former, and if the soil has been composted several months so much the better.

In planting new ponds for a permanency the bed should be moderately rich but not composed of soil as rich as recommended for tubs or boxes. The depth of water can vary from two to four feet. There is nothing gained by having a depth of four or more feet, but where natural ponds exist of such a depth and it is desirable to plant lilies in them without altering the depth, do not try to plant the lilies there at once. Select the variety for the purpose and plant in large seed or bulb pans in good soil and place these in a convenient spot where the water ranges from one to two feet deep, and when the plants are established they may be turned out of the pans, soil and roots compact and put in deep water. No great skill is needed in planting.

When the plants are ready they may be conveyed to the spot, using a raft, punt or boat, and simply placed in the water. Their own weight will keep them in the desired position and in a very short time the leaves will reach the surface and new roots will anchor the plants firmly in an incredibly short time. The disadvantage of planting in deep water is that the water remains colder much longer than shallow water and the plants are liable to get a check and not start to grow at once, but by starting the plants in the shallow water in pans this is averted and there is no danger of the plants being disturbed as they are held in position by their own weight which is far better than tying bricks or any other weight to the roots to keep them down. I see no earthly use in placing the roots in wire baskets as advocated by our brethren across the ocean fifty years ago and still adhered to. Where it is possible plant the rhizomes firmly in water about two feet deep. In deeper water have established plants in pans as above recommended.

As to varieties, plant as taste or fancy may dictate but in so doing the inexperienced may err in selection of varieties and may be led more by the prices of certain varieties, endeavoring to get the largest number for a limited amount of cash. In natural ponds, where there is ample space, plant in groups of from five to twenty-five strong crowns; these should be three feet apart and the clumps should be some distance apart, depending on the size of the pond. In large ponds groups of the native varieties may be included with European and hybrids, but in smaller ponds avoid any representatives of the tuberosa section as they are too rank in growth and would in a few seasons choke the less rampant growers. If such varieties as *Nymphaea tuberosa Richardsonii*, *N. Gladstoniana*, *N. tuberosa rosea* and *N. tuberosa rubra*

are desired, plant only the one variety in a small pond. These and all such types may be included in a large pond or lake.

In smaller ponds where plants are planted in tubs or boxes omit all of the tuberosa type, selecting European types and hybrids, planting one or three crowns according to the size of the box or tub. The native variety *Nymphaea odorata* is a universal favorite and a tub or box of it may be included in the collection, also the Cape Cod pink pond lily. But the stronger growing varieties are best planted in the natural pond. I have met persons who disliked any colored water lily, especially a yellow one, but the Florida water lily is yellow and although it does not take kindly to the northern states it is very beautiful where it can be grown and it thrives well in the vicinity of New York City. It should be planted in a pond by itself. In some sections of the country it takes possession of the pond and by its own peculiar mode of growth and reproduction it becomes a pest, though in Florida it is now becoming very scarce and is being smothered out of existence by the obnoxious water hyacinths.

As in other classes of plants there have been changes and improvements in types, forms and colors and the progressive florist must keep abreast of the times or he may soon be considered a back number. Novelties come high sometimes, but when a novelty has received the stamp of approval from horticultural and national societies its popularity is assured and its cost is usually a secondary consideration. I would advise intending planters in making a selection to include the latest novelties. They are a great advance over other varieties and will be standard varieties in the near future. Ten to twenty dollars was a large sum to pay for a water lily root four years ago, but with judicial handling one plant would have increased an

hundred fold by this time and there would have been four years' enjoyment besides the large increase in value as such stock still commands a good price. Do not be discouraged from planting because we have not had tropical seasons of late and the large flowering tropical water lilies have not been a success. It has been most suitable for hardy *Nymphaeas* and they vie with the tropicals for richness of color and they are perpetual, and although the night bloomers have not fared well, the day flowering tender varieties including all blue varieties may be relied on to fill their places when desired. They may not be planted out, however, before the latter end of May or the beginning of June. WM. TRICKER.

PALMS AND FERNS.

Jubaea Spectabilis.

The coquito palm, as this handsome plant is known in its native country, has the distinction of being probably the most southerly of American palms, and is found in a wild state in great abundance in central Chili, where it proves of much value to the native population. *Jubaea* is a strong growing palm and in Chili often forms a trunk from forty to sixty feet in height, this being surmounted by a fine head of large primate leaves, the foliage bearing some resemblance to that of some of the strong growing *Phoenixes*. The sap of this palm contains a great deal of sugar, and is therefore collected by the Chilians, boiled down to a thick syrup in much the same manner as our maple syrup, forming a much esteemed article of food known as "miel de palma" or palm honey.

The method of gathering the sap of the coquito is a much more wasteful one than that practiced by our maple sugar gatherers, from the fact that the Chilian first cuts down the palm, then chops off the crown of leaves and the sap begins to flow, continuing for some weeks or months until the trunk is exhausted, provided that a thin slice is cut off the end of the trunk each day in order that the sap may flow more readily. The quantity of sap in one of these trees is very large, it being stated that one may produce ninety gallons before being thoroughly drained out.

The nuts or seeds of the *Jubaea* are also edible, and after the soft pith has been removed from the trunk the latter is frequently put to use as a water pipe. Our illustration shows a remarkably fine specimen of this palm as it appears before it is old enough to develop a trunk, and is from a photograph of what is perhaps the finest outdoor specimen of *Jubaea* in this country, the plant in question growing in a garden in Los Angeles, Cal. Such landscape effects as are shown in our picture are only possible under such favorable climatic conditions as prevail in southern California, but are quite sufficient to make us of less favored localities just a trifle envious at times. *Jubaea spectabilis* is not very largely grown for florists' use, though a decidedly handsome species when large enough to show its character, and the foliage is quite tough and hardy. This palm may be grown under the same conditions as the *Kentias*, requiring a stiff soil, plenty of moisture and not too high a temperature. During the winter 60° is ample for established plants, and a few degrees lower will do no injury. W. H. TAPLIN.



JUBAEA SPECTABILIS.

Magnolia Manicata.

The illustration herewith shows a *Magnolia manicata* in bloom. This tree is on the grounds of the executive mansion, near the south entrance from Pennsylvania avenue, Washington, D. C., where, with another of its kind growing near, it was planted about thirty years ago by Alexander Mc Kerichar, at that time the white house gardener, but now superintendent of Glen Wood cemetery, Washington. *Magnolia manicata* blooms in April, and, though the blossoms soon fall, it is a beautiful sight while in full bloom. S. E.

The World's Fair.**SCHEDULE FOR FLORAL EXHIBITS.**

The following tentative schedule for floral exhibits has been issued by the Department of Horticulture of the St. Louis World's Fair, and Chief Taylor hopes to be able to make an authoritative announcement covering all of these days and three or four days in addition:

May 2-7	Carotians.
" 9-14	Pansies.
" 16-21	Tender Roses.
" 23-28	Peonies.
" 30-June 4	
June 6-11	Hardy Roses.
" 13-18	Sweet Peas.
" 20-25	Sweet Peas.
" 27-July 2	Cannas { Am. & Euro- pean Varieties
July 1-9	Cut Flowers (Florists')
" 11-16	Cut Flowers (Amatrs')
" 18-23	
" 25-30	
Aug. 1-6	Gladioli.
" 8-13	Asters.
" 15-20 (S. A. F. week)	General Decorations.
" 22-27	Gladioli.
" 29-Sept. 3	Gladioli.
Sept. 5-10	Tuberoses.
" 12-17	Dahlias.
" 19-24	Dahlias.
" 26-Oct. 1	Aquatics.
Oct. 3-8—Flower show by St. Louis Florists' club	
Oct. 10-15	
" 17-22	Wild Flower Show.
" 24-29—Natural Decorations by Children.	
31-Nov 5.	
Nov. 7-12	Pot Chrysanthemums.
" 14-19	Cut "
" 21-23	

All exhibits in these shows will be eligible to examination for awards of diplomas and medals. There is no entry charge, and flowers sent with all charges prepaid, addressed to Frederic W. Taylor, Chief, Department of Horticulture, St. Louis World's Fair, will be received and staged by the department without any additional cost to exhibitors. Vases and other facilities will be provided by the department.

The space assigned to the flower exhibits most beautifully located, being on a floor nine feet lower than that on which are all the pomological exhibits. The point of view from all four sides is perfect, and every effort is being made by the management to have these flower shows such great features of the exposition as so entitle them to be considered as leading attractions. This means that newspaper accounts of the exposition will give much space to them and thus secure to exhibitors the very best possible kind of advertising. Full announcements will soon be made by special circulars from the department. The chief of the department invites correspondence and suggestions, particularly with reference as to whether any of the days set should, with due consideration for all the different sections of the country, be changed to advantage. Suggestions are also invited with regard to what may be used for filling in the open dates.

NOTES.

The rhododendrons in front of the German building have been in perfection during the last week. There are twelve

**MAGNOLIA MANICATA.**

specimen plants at least five feet in diameter which were grown by J. R. Seidel, of Laubegast, near Dresden. He is considered one of the most successful growers of this class of plants in Germany, and his exhibit was given the grand prize at the Paris exposition. The plants are well grown and the foliage, despite the long journey, is nearly perfect. When in full bloom they were a mass of white. Among the other decorative plants at the German building are some seventy bay trees from the Imperial gardens of Charlottenburg castle. About one-half are standard trees with heads four to five feet in diameter. The pyramids are from six to twelve feet high and all are in nearly perfect condition.

Work is progressing rapidly on the floral clock which is to be on the steep hillside north of the Palace of Agriculture, at the end of the long avenue which passes in front of the Administration building. The dial is 112 feet in diameter and the minute hand measures seventy-two feet. The ends of the hands are supported by circular tracks. The machinery for the clock is located in a small pavilion at the top of the hill. On one side of this is the bell upon which the hours will be struck; this weighs 5,400 pounds. Upon

the other side of the pavilion there is a large hour-glass. The end of the minute hand of the clock will travel six feet per minute. The hands will be moved by means of compressed air carried through a pipe from the pavilion in which the machinery is located.

Thousands of visitors have asked the name of two plants near the Mexican pavilion. They have a slender stalk, perhaps twenty feet high, from the top of which a branch extends at right angles for a distance of about ten feet. Upon this there are thousands of yellowish-white flowers. They are nothing more than century plants which are developing flower stalks, but as these have been bent in the cars they present a very odd appearance. A large number of bananas and cacti are also being planted near the Mexican building.

Professor L. Wittmack, of the Agricultural High School of Berlin, who has been at the exposition for the last two months, left on May 18 for a trip through the Ozark region in Missouri, after which he will go to Phoenix and Tucson, Ariz., and will then make an extended trip through Mexico. Professor Wittmack is the secretary of the Horticultural Society of Prussia, and will be remembered in con-

nection with the Columbian exposition.

The planting of bedding plants has progressed rapidly during the last week. The sunken garden between the palaces of liberal arts and manufactures are nearly planted and a large amount of planting has been done in the Cascade gardens. In the latter thousands of scarlet geraniums and *Salvia splendens* have been used and cannot fail to be very effective.

The weather has been very favorable for the sodding and seeding of the lawns and excellent results will almost certainly be secured. After exhausting the available supply of sod in the vicinity of St. Louis it was found necessary to go to Indiana and even southern Michigan to complete the work.

William F. Dreer, of Philadelphia, spent several days at the exposition last week on his way home from California, where he spent the winter. He expressed himself as greatly pleased with the exposition, especially from a horticultural standpoint, and while here arranged for a large exhibit.

The tree peonies in the Japanese garden have been greatly admired. There are fifty varieties in colors ranging from white to dark maroon or wine color. The Japanese also have a large collection of herbaceous peonies which will soon be in flower.

An interesting feature of the New York forestry exhibit is a model nursery for evergreens northeast of the Forestry building. It illustrates the method of growing forest seedlings and contains thousands of evergreens from one to four years old.

SHELBYVILLE, KY.—In a large fire here May 11 E. P. Hall's greenhouse plant was damaged \$200.

CADILLAC, MICH.—David Kleinhaus and R. A. Mason, of Ithaca, soon will begin building their greenhouses on Cherry and Cobb streets. Four thousand feet of glass, now on its way to Cadillac, will be required.

ALVIN, TEX.—Fine rains have fallen here, two inches in all, which will fill the jasmine stems with moisture. We always get these rains just in time and it helps very much to promote the development of the buds in transit.

THE RETAIL TRADE

A PRETTY arrangement of trumpet daffodils in one of the antique Russian boxes which sold so well at Easter, seen in the Twenty-eighth street window of Thos. Young, Jr., New York, indicates how very becoming this rough wood setting is for daffodil work. The effect is strikingly rich and pleasing.

THE frequent instances of sore and poisoned hands among clerks handling roses continually suggests the more general use of protecting gloves while engaged in this work. Whether the cause of the increase of this trouble be the size and strength of the thorns produced on the big-stemmed modern rose or poison from some substance used as an insecticide or stimulant is not clear, but it is safest to take no chances. Washing the hands in water to which a little carbolic acid or sulpho-naphthol has been added is recommended as a wise precaution after a session with the thorns.

Window Boxes in London.

THE West End florists are now busy filling window boxes. There is always a desire to get this work done as early as possible, and in a backward season it is a little difficult to get the flowering plants forward enough, for all this work has to be done with stock that will make an immediate effect, says a correspondent of the Horticultural Trade Journal. Genistas, I find, are now extensively used. Marguerites of course continue favorites, but the very thick bushy plants are not so much favored as the thinner, fresher, spring potted plants. Mignonette is much in demand. Most of that now being used is from autumn sown which has been stopped, but as soon as the spring sown comes in it is sought after, as it is found to succeed better. Intermediate stocks, especially the crimson, are used extensively, and those who get these in early can clear them out in large quantities.

Some zonal pelargoniums are already being used, scarlet and salmon are the colors most favored. Whites are very little used, as the marguerites provide a better white. Ivy-leaved pelargonium,

Madame Crousse, continues to be a great favorite, and there is probably more of this used than all other varieties put together. Baden Powell may come more into favor when better known. Galilee is used extensively, but for window boxes it does not fall over and cover so well as the old favorite. Harrison's musk is not so much used as formerly; where it does do well it is very pretty, but it is very uncertain. Lobelia is not yet quite forward enough, but as soon as sufficiently showy it will be used as extensively as ever. If anyone could produce a variety of good color that would come into flower a few weeks before Emperor, there should be money in it.

Fuchsias are greater favorites than formerly, but they must not be the very dense over-flowered plants, but rather thin full-growing plants, with plenty of bloom to open. The erect-growing sorts may be tall for the background, and those of a drooping habit are used for hanging over the fronts of boxes. Tropæolums of the Lucifer or fulgens type are used to some extent. And the yellow variety has found some admirers. That which came from America a few years ago under the name of Sunlight is the best, or rather selected seedlings from this. From seed they vary, and I have found by careful selection and propagating the best types are from cuttings; they flower as well as the best of the crimson sorts, and are of a rich golden yellow. I find a few use *Asparagus Sprengeri* for window boxes; it does well for hanging over and makes a nice green facing, but the difficulty with it is that the large fleshy roots take up too much room in the boxes.

At many of the West End mansions the window boxes are the most important feature in plant work, there being little space for ordinary garden bedding. The windows not only have to be made gay with bloom to start with, but anything failing has to be removed; in fact during the London season they have to be replenished from time to time. I have seen some where the same plants have kept up a succession of bloom for a long time, but generally they are too much crowded to last for any length of time.

WITH THE GROWERS

A Cliftondale Hustler.

THE product of the greenhouses of Wm. Sim, Cliftondale, Mass., has within a few years won for its energetic proprietor an enviable reputation in the flower markets of Boston and vicinity. Here is one place where a surplus over and above the demand is, thus far, an unknown affliction and the principal reason for this is the high and uniform grade of the material sent out. It is interesting to note the methods of crop sequence pursued by Mr. Sim whereby no idle hours are permitted to the houses and through which they have been so operated as to bring in, even in this unprofitable season, returns sufficient to provide for the erection, the coming summer, of a new house 30x360 feet and the installing of a new heating apparatus comprising two mammoth boilers, either of which will be sufficient to heat the entire range.

Violets are Mr. Sim's chief crop and the variety grown is Princess of Wales. Young stock is planted in frames in early spring, transplanted to field in June and housed in October. Provision for the decline of the violet's value is made by planting a row of sweet peas through the center of each bed in the houses at



HOUSE OF CANDYTUFT AT WM. SIMS', CLIFTONDALE, MASS

the time of housing the violets. About February the peas have begun to assert themselves and from that time are a main crop. The varieties grown are Earliest of All, which is an early flowering strain of Blanche Ferry, and Mont Blanc which is a similar improvement over Emily Henderson. The houses, which are of Mr. Sim's own designing, are supported by a row of 1 1/4-inch pipe through the center of each bed, each twice braced to the purlin. These posts serve as supports for the strings on which the peas are trained and when at their best the plants form hedges ten feet high. The flowers produced are phenomenal in size and not infrequently have stems two feet long and perfectly straight, no effort or time in tying or training being spared in keeping the stems straight. The cut of peas this season amounted to 4,000 a day from February 1, none being sold for less than \$1 a hundred. By middle of May the peas and the last remnant of violets are thrown out and cucumbers take their place immediately so that the houses are busy all summer.

Another crop following the violets in certain houses is the Stone tomato. The first seed is sown at Christmas and the plants are set out at intervals as the violets are discarded, from middle of March until the week after Easter. A small house is also utilized for raising young tomatoes for outdoor summer cultivation. The tomatoes are grown to single stem, tied to bamboo stakes. Still another crop that is managed here with signal success is white candytuft. The strain grown is very fine, being resultant from the variety known as Emperor under continued selection for several years, and when shown in Horticultural hall on one or two occasions created a big sensation on account of the enormous size of the spikes. The seed is sown early in February and plants are set out in the houses the first of April. At the date of these notes, May 5, this candytuft is from twelve to twenty-four inches in height and rapidly assuming the aspect of a sheet of snow. This crop and also one of German stocks is especially intended for Decoration day demands and is all sold out in advance. After the holiday it is thrown out and the chrysanthemums fill its place at once. The chrysanthemum stock plants have in the meantime been held through the winter in frames protected with mats and shutters in order to save house room for other uses, and tops are taken for cuttings all through the spring up to July 1. Mr. Sim is truly a conspicuous example of the assiduous, intelligent, commercial florist who is bound to win every time.

Chicago.

There is clearly an improved tone in market conditions in both shipping and retail lines. The city retailers have had hard sledding for a protracted period and anything in the shape of a break for the better is hailed with delight. There have been several brisk days for them this week, and while business is not as it should be, it is still gratifying. The weather has been just about what the dealers have been wanting, cold and dark enough to reduce the overcrowded receipts to something like normal. In consequence prices and the general tone of the market have advanced slightly, and wholesalers are not called on to hand out their goods at prices fixed by the street vendor. Roses and carnations are sufficient for all calls, and all quality was never better at this season of the

year. There is plenty of southern stock on the market. The cape jasmine generally is of fine quality, but it does not move with a great flurry. Not much call for lilies, which continue to come in in heavy supply, both callas and Harrisii. Nice pansies are selling well and sweet peas have had a remarkable period of several weeks. For Decoration day there promises to be a full line in all cut flowers, assisted by the southern receipts of outdoor flowers. A few bright days before the holiday will send stock into the market in heavy supply, and prices will be within the reach of everyone.

The first game of the annual spring handicap of the Florists' Club bowling team was rolled Tuesday night at Mussey's alleys. Thirty games comprise the series, five of which will be rolled every Tuesday evening. Prizes will be awarded and everyone given an opportunity to compete. The scores of the last session will be found in the pastimes department of this issue.

The committee having in charge the preparation for the big fall exhibition of the Horticultural Society of Chicago report that good progress is being made, and that the premium lists will be ready to send out in a few days. The exhibition will be held sometime in November, the exact date of which will be announced later.

Bentley-Coatsworth Company is enjoying a good run on general rose stock. Everything at the houses at New Castle, Ind., is in good spring condition and a fine crop for Decoration day is coming. About half of the planting out has been completed.

Charles McKellar apparently has a monopoly of the orchid business locally. His daily receipts of high class stock in this line from Summit, N. J., and other eastern orchid centers are remarkably large.

Miss Elsa Katherine Hauswirth, daughter of Mr. and Mrs. P. J. Hauswirth, was married on April 2, to Walter F. Hoyt. The announcement of the marriage has just been made.

E. F. Winterson Company has arranged to handle large quantities of cape jasmine for Decoration day, and the quotations posted are \$1 to \$1.50.

Amling is strong on lilies of high grade. Mr. Amling is looking for a Decoration day run of business fully up to the standard of preceding years.

George Reinberg is in the midst of planting-out operations. He will have a range of eleven new houses to reckon with this season.

Peter Reinberg's Uncle John rose continues to make friends if one can judge from the orders coming in for the new favorite.

Peonies in this section, except possibly a few single varieties, will hardly be cut in time for the Decoration day trade.

Wietor Brothers' fine LaFrance roses are in grand shape and their only regret is that they haven't more of them.

Weiland & Risch report a good week of shipping business. Their stock all shows exceptional quality.

The George Wittbold Company reports a heavy spring demand for decorative plants, palms and ferns.

John Muir is adding to his establishment on Grand boulevard by building a modern conservatory.

A. L. Randall Company is showing a fine line of parrot tulips from Emil Buettner's greenhouses.

Bassett & Washburn have a grand cut of Liberty and Beauty in sight for Decoration day.

Poehlmann Brothers Company reports a good outlook for a big Decoration day cut of roses.

J. A. Budlong will begin planting his new range to American Beauty roses in a few days.

C. M. Dickinson, of E. H. Hunt's, was a business visitor at Milwaukee this week.

Among the visitors this week were A. E. Smith, of Smith & Fetters, Cleveland, O.; Martin Reukauf, of Bayersdorfer & Co., Philadelphia, Pa.; G. F. Crabbe, of Grand Rapids, Mich.

New York.

All kinds of flowers are cheap and do not clean out well. Plenty of carnations are arriving as well as roses. Outside lily of the valley is brought in in large quantities, also all outdoor flowers, such as peonies and deutzias. Pyrethrum and gypsophila are very badly frozen and reports are current that there will be a very light crop. Most all the bulbous stock is done for and many thanks for it. Sweet peas are coming in in large quantities and can be had at very low prices; lavender and purple are very much sought after and command a fair price. Among the most popular ones that are here are Emily Henderson, white; Katherine Tracy, flesh color, or salmon; Blanche Ferry, pink, and Countess of Radner, lavender. Pink and white lilac can be seen in large quantities. The southern lilac was very poor this year and at present the Long Island lilac is being brought to market. Peonies will not be in for Decoration day and the chances are that we will have plenty of them for commencement exercises this year. Some very fine French lilac is being brought in by several of the growers and sells readily.

Julius Roehrs received six hundred bay trees in one shipment last week. On the sixteen largest of the trees the freight alone was \$362. Mr. Roehrs has the contract to fill the range of palm, orchid and fern houses recently erected by Lord & Burnham Company at Pride's Crossing, Mass., for W. F. Spalding. The central feature of the palm house is a Kentia Forsteriana twenty feet in height. The handling of the crate containing this majestic specimen, twenty-two feet in length, was something the boys will not forget in a hurry.

Harry Woerner, who is employed by Charles Zeller, of Flatbush, N. Y., has the sympathy of the trade in the loss of his wife, who committed suicide May 5. Mrs. Woerner had been suffering from melancholia for several months.

The different firms on the floor of the Cut Flower Company are considering the idea of closing at 2 o'clock in July and August. The members of the Cut Flower Exchange should follow them in the early closing idea.

W. O. Cherry, of Maspeth, has the finest purple sweet peas on the market. He ties six bunches together, one dozen to a bunch, and they look very neat and take less handling in this way.

We are advised that the Metropolitan Material Company, now advertising in our columns, has no connection with the Manhattan Supply Company.

Theodore Erhard and Charles Smith are going into the growing of smilax instead of that old favorite, the Jacqueminot rose.

William Adams, of Great Neck, L. I., fell into a boiler hole last week, one of the planks giving way, but was not seriously injured.

George Matthews, of Great Neck, has as usual a fine lot of peas, among them some very fine lavender.

Charles Zarembo, of North Bergen, N. J., had his greenhouses destroyed by fire Friday night, May 13.

Charles Smith and William Amos are doing jury duty this month at the Queens County court house.

S. Jacobs & Sons have acquired three adjoining lots for the extension of their increasing business. P. F. K.

Boston.

As to business this week nothing further needs to be said than that it is a duplicate of last week's story. No improvement in price is possible under the conditions of overstock now existing, although it is true that the stock coming in is of excellent quality all down the line, and that the receipts are somewhat lighter owing to the inclement weather of the last few days. The first lilacs are in evidence. They are from Philadelphia, but they don't sell. There is nothing going on at present to cause any demand. Frame lily of the valley has begun to arrive, but the outdoor crop is not yet in sight. In roses Queen of Edgely and American Beauty are seen in splendid shape, and are worth more than it is possible to get for them. Lilies are cheaper than ever before in this market.

The May meeting of the Gardeners' and Florists' Club was attended by thirty members, a very creditable number for this busy season of the year. Carl Blomberg of North Easton read an excellent paper on alpine plants. He gave detailed directions as to the construction of a rockery and general advice as to the culture of the plants adapted to grow in such a situation, and followed with a list of the various plants so used, giving the list alphabetically with individual comment on each, so far as the letter L, and promised to continue the list on another occasion if this should be desired. He referred to the difficulties of climate and other drawbacks of alpine plant culture in the extremely hot summers and cold winters of this country, remarking pointedly that to grow alpine successfully "calls for a little more brain than stable manure." In the discussion that followed many interesting and instructive points were given by gentlemen present. It seemed to be the unanimous experience that there are but few aequilegias, and these invariably true species, that have the ability to withstand more than two seasons of this climate, and that for the best success they should be grown as biennials. The propagation of *Daphne Cneorum*, an acknowledged difficult subject, was discussed and the points brought out that propagation should be done in August, the tips of the wood being taken and placed in sand in a propagating bed with a bottom heat of 110°. They should be shaded, and an important point is to avoid overdampness. Speaking of alpine plant culture in Great Britain, R. Cameron said that many sorts that Kew can grow by square inches are grown at Edinburgh by the square yard. The question box evolved a line of experiences with ornamental shrubs and trees during the recent winter and the great variety of experiences as to the injury done was remarkable. At North Easton many things such as peaches, currants and small fruits generally had been killed to the ground. Japan quince, *Prunus Pissardi*, *ligustrum* (all except the English), *Viburnum tomentosum*, most of the roses, rhododen-

drons, including *R. maximum*; *halesias*, *Deutzia crenata*, *forsythias* and *andromedas* were either killed outright or dead to the snow line, and most of the late fall planted maples and oaks fared likewise. Mr. Duncan mentioned *Elaeagnus longipes*, all the *ligustrums*, *Rhodotypos kerrioides*, *Prunus maritima*, redbuds, *Wichuraiana* and *multiflora* roses, *Abies Nordmanniana* and *A. Cephalonica*, *Pinus Lambertiana*, *Berberis vulgaris* and *baccharis* as among the things that, presumably hardy, had suffered more or less in the park plantations. All agreed that the three successive cold winters must have had an enervating effect on all outdoor material, and were undoubtedly responsible as much as the immediate conditions for the havoc of the past season. On the exhibition table were some fine *Gesneriana* tulips, Philadelphia Rambler, Farquhar and Queen Alexandria roses and *Gardenia Fortunei* from W. N. Craig. Nobody present had ever seen such splendid gardenias. The flowers measured from four to five inches across, and foliage up to seven inches long. Mr. Craig explained that the plants had been taken out of the bench last June, the tops and roots cut back hard and then potted in a mixture of loam, charcoal, broken brick, and sand, and when growing had been treated to a little stimulant in the shape of Clay's fertilizer. Sixty-five degrees at night was the temperature advised.

The sum of \$50 was appropriated, to be devoted to a special prize at the coming chrysanthemum show, and Messrs. Craig, Wheeler, Montgomery, Wild and Cameron were appointed by President Pettigrew as a committee to decide as to what form it should take.

Robert Cameron showed a magnificently bloomed plant of *Dendrobium tortile*.

This very peculiar season has produced some unusual results, but none more remarkable than the simultaneous blossoming of many outdoor trees ordinarily separated one or two weeks in flowering time. Thus we have cherries and apples in the height of bloom at the same time. The same is true of the early and late tulips, and flower buds are well developed on *Rosa rugosa*, while *forsythias* are still full of golden bloom.

Thomas F. Galvin sailed from New York for Europe last week on the *Deutschland*.

Visitors: Thomas Knight, representing Julius Roehrs, Rutherford, N. J.; G. C. Eldering, from Holland; Paul M. Pierson, Scarborough, N. Y.; Mr. Sykes, representing Lord & Burnham Company, New York; W. E. Chappell and W. B. Hazard, Providence, R. I.

Philadelphia.

Things are very quiet, so much so that even carnations go to sleep, as they remain undisturbed so long at a time in the shade of the cooling rooms and are then roughly shaken out, only to make room for their younger brethren. Business is practically at a standstill as far as the transient trade is concerned. Funerals, weddings and commencements make an occasional demand and furnish what work there is going. Prices are about as low as they will be this season for the same quality of stock. Carnations, \$1 to \$1.50; Beauty, \$1.50 to \$2 for specials; \$4 to \$8 for teas and \$8 to \$12 for Liberty. Sweet peas are plentiful at 50 cents per 100. Outside valley is crowding the imported stock, but it will last only this week.

George Cruger, of Narberth, died last Tuesday under singular circumstances. He came into the house with a wound in his side, which he said was caused by falling on a large piece of glass. His family, alarmed at his appearance, summoned a physician, who ordered his removal at once to a hospital. Here it was said that the wound must have been made with a long knife and could not have been self-inflicted. Mr. Cruger, who retained consciousness until his death, which occurred early the next morning, stuck to his story and would give no information of any one else being responsible for his condition. He was a single man and an industrious and good grower. He lived with his mother and brother in a house adjoining the greenhouses.

Orchids, particularly *cattleyas*, are scarce. Julius Wolf, Jr., has a house devoted to these plants and has a fine stock, from which he has cut a goodly quantity of blooms the last season. He is much encouraged, and says he finds an increasing demand, both from wholesale and retail customers; in fact, it has almost always exceeded his supply.

Bedding plant men are working fourteen to sixteen hours a day and have hard work to catch up with their orders. At the cemetery gates they all have an extra force, as everything must be finished before Decoration day.

Wm. P. Craig is traveling for several large firms, handling palms, ferns, bay trees, etc. He reports a very good business. He is also handling *longiflorum* and Bermuda lilies on his own account, having secured some fine stocks.

John Albrecht has decorated the front of his place with four neat dwelling houses, which he finds a good investment. Like his neighbors, he is extremely busy moving a fine lot of stock.

The sympathy of the trade goes out to J. F. Horn and wife, of Allentown, Pa., in the loss of their three-year-old son. He was sick but twenty-four hours with diphtheria when he died.

The stock, greenhouses and real estate of Edwin Lonsdale's establishment was sold at public sale last Monday morning for \$12,600. John Burton was the purchaser.

Eugene Bernheimer has in the first batch of double white petunias. These are very useful for funeral work, and will be largely grown this season for that purpose.

Robt. Craig & Son have a house of very choice *longiflorum* lilies, which will be at their best next week, just in time for Decoration day and early June weddings.

At Westcott's and at Alburger's vases and hanging baskets are to be seen by the hundreds, all to be used in decorating lots in the adjoining burial grounds.

F. M. Foulds has taken the greenhouses of Albert Knapper at Ambler, Pa., and will grow cut flowers for the Philadelphia market.

George C. Watson is home again from his annual eastern trip and reports having found a very good demand.

Alburger & Cascaden are very busy and have a splendid stock of bedding and basket plants. K.

St. Louis.

Market conditions are much changed since last week. An unexpected cold wave came May 13, and gladdened the wholesale men. Flowers in poor grades that went begging Wednesday were sought

for on Saturday, and the better grades were sky high. At present, however, there is plenty of stock to supply all demands. There seems to be not much doing but funeral work.

A special exhibition of peonies will be held May 28 to June 7, at the World's Fair. Entries must be received by the superintendent not later than May 25. The schedule of classes follows:

- Class 1—General collection of officinalis type.
 " 2—General collection of tree or mountain varieties, and Chinese of herbaceous section.
 " 3—Vase of twenty-five blooms, pure white.
 " 4—Vase of twenty-five blooms, white, shaded pink.
 " 5—Vase of twenty-five blooms, light pink.
 " 6—Vase of twenty-five blooms, dark pink.
 " 7—Vase of twenty-five blooms, crimson.
 " 8—General collection of Chinese, not less than five blooms of one variety.
 " 9—General collection of Chinese single varieties, not less than five blooms of one variety.

Dr. Hermann von Schrink of the botanical department of Washington University has been for some time experimenting with the various fungi that effect wood. He is particularly interested in the causes of decay in railroad ties and the wooden blocks used in street paving. Wood that has had creosote pressed into it seems to be more durable. This ought to be an interesting subject for the average greenhouse man.

The Florists' Club's last meeting was interesting but not well attended. Resolutions of sympathy with the bereaved family of the late John Young were adopted. Paul Roper was elected to the vacancy in the Shaw's garden scholarships. F. W. Ude, Jr., Kirkwood, opened a very instructive discussion on "Methods of Violet Culture," which brought out some valuable pointers.

The Shaw mansion at the Missouri Botanical Garden is being repainted. Prof. Hitchcock is carrying on some very interesting and instructive experiments in a special greenhouse at the garden. He is experimenting with the crown gall found on the rose and many of our fruits, and hopes eventually to find out not only the exact cause of the disease but an effective remedy.

H. J. Weber & Sons report a busy season. They have just finished planting 20,000 everblooming roses received from the Good & Reese Company. They are also about through planting their two acre exhibit at the fair. In it they have over 400 varieties of trees and shrubs, also a bed of 600 everblooming roses in eighteen varieties.

We are getting so much rain that it is interfering with planting out. J. W. Dunford, of Central, is growing eighty-three varieties of sweet peas for Burpee's, Philadelphia, to be exhibited at the fair. He is practically through planting out two acres of carnations.

The St. Louis Seed Company claims to be a week behind in orders. It finds a shortage in some stock that is hard to make up. It has done a big business in everblooming roses, and finds a good sale for all bedding plants.

We noticed a sign in a down town florist's window: "Carnations, 5 Cents per Doz. To-day Only." We wondered what the grower got for them.

The floral clock at the World's Fair will be ready to plant in a few days. The walk around it is being raised.

Phil Scott of Denver, Col., is in town visiting the fair. J. W. D.

ADRIAN, MICH.—The monthly meeting of the Lenawee County Horticultural Society was held in its rooms in the court house Wednesday, May 11.

Baltimore.

Dullness and dullness! This is the character of the cut flower market this week, reflecting in an intensified degree the usual experience of this part of May. The death rate here, from causes unknown, is above the normal, with a consequent increased demand for funeral flowers. This is the main outlet. There is a great supply of outside flowers—lilacs, spiræas, lily of the valley and narcissi were never more abundant and they are being used where possible for decorative purposes. There are some weddings, but they are not numerous. The popular young mayor of our city was captured last Saturday by a charming widow, going to the city of Washington for the ceremony, and there were some floral demonstrations on their return, but it was only a ripple on the water.

The only promise of activity ahead is the commencements, which are on the way, and Memorial day. Here, as in other quarters, the celebration of this day is changing. Formerly the decorating of the graves of soldiers and others who had served their country was its principal feature. Now silent but fragrant and beautiful tributes of flowers adorn the resting places in every cemetery and every rural burial place of loved ones who have passed away. No more natural and fitting ceremony and material can be found, and the custom deserves to be fostered and extended.

Roses keep above the average in quality this season, though the blistering marks of mildew are becoming visible. Carnations are a glut and lilies continue to arrive in quantities that cannot be absorbed.

The weather is unsettled. There have been few warm days and still fewer warm nights. Acceptable rains have fallen and vegetation grows vigorously.

Business men here expect a great boom in the near future. S. B.

Washington, D. C.

Both growers and retailers are getting nicely adjusted to the conditions of low prices and a great abundance of stock. American Beauty roses are almost cheap enough to be within the reach of everyone that is inclined to buy flowers, and at the rate they are going it seems that most of the people are inclined when they can get them pretty nearly at their own price. Yet I hear little grumbling from the dealers and all of them seem busy. There is quite a good trade in bedding plants. The market dealers in particular have been selling great quantities of geraniums and all the other bedders.

George H. Cooke, who was for years a grower before he opened a store and is well informed in all branches of the business, says that there is a revival here in the adornment of home grounds. He has now considerable work on hand in the line of bedding and planting of hardy perennials. There has in the past been considerable criticism on the lack of interest shown by many property owners in this matter, and this reawakening should be hailed with delight, not only by dealers, but by lovers of the beautiful as well. A nation that can pay \$40,000,000 for a canal and never wink should have a beautiful capital, and fine landscape work is essential to that end. While the government is spending millions to beautify the city, those who are so fortunate as to own a home here will live beneath their privileges if they do not add a bud or blossom to the grand total.

J. R. Freeman had a large order for funeral work last week on the death of Miss Edmonston. There was a casket cover of orchids, valley, white roses and carnations. At the head of the casket was a bunch of 100 long-stem American Beauty roses; at the foot a mound composed of 200 Golden Gate roses, orchids and valley. There was also a large number of fine designs. S. E.

OBITUARY.

Christlan Fischer.

Christian Fischer, a resident of St. Paul, Minn., for nearly fifty years, died May 12 at his home near Lake Phalen, at the age of 83. He had lived there as a gardener for more than forty years. Mr. Fischer was born in Germany and came to this country in 1852, settling in St. Paul in 1855. He is survived by his wife, one son, Charles Fischer, and a daughter, Mrs. Bertha Linke.

C. A. Giberson.

C. A. Giberson, proprietor of the Mauna Ala greenhouses at Lacombe, Alberta, Canada, died at his home in Lacombe on March 2, after an illness of nine days with pneumonia. He was born November 13, 1852, in Prince Edward county, Ontario, and lived in Ontario till 1892, when he and his family moved to Cedar Rapids, Iowa. Here he remained until August, 1900, when he went to northern Alberta. He was a pioneer in the business, being the only florist as far north as Alberta. His widow is carrying on the business at present, but she will probably be obliged to sell owing to poor health. Mrs. Robert Ritchie, of Lacombe, is the only surviving child.

F. A. Walpole.

Frederick A. Walpole, the botanical artist of the Department of Agriculture, died May 11, 1904, of typhoid fever, at Cottage hospital, Santa Barbara, Cal. He was considered the best plant artist in the United States, his drawings having been used to illustrate various reports published by the Department of Agriculture and the Smithsonian Institution, as well as the narrative of the Harriman Alaska expedition. Mr. Walpole was born in Essex county, New York, in 1861, and at an early age moved with his parents to Illinois and later to Portland, Oregon, where he was engaged for some years as artist of a lithographic establishment. In 1896 his drawings of plants came to the notice of the Department of Agriculture and procured for him the position which he had since occupied. His method was to make his drawings from living plants growing under their natural wild conditions. His summers were spent mainly in the field and his winters at the National Herbarium in Washington, where he completed and perfected his work. The greater part of his drawings remain unpublished, including a remarkable series of colored paintings of the native poisonous plants of the United States, now on exhibition by the Department of Agriculture at St. Louis. Mr. Walpole's death is regarded as an irreparable loss to botanical science. He leaves only a son 9 years of age, his wife having died in Washington, D. C., six years ago. The interment was at Portland, Oregon.

THE AMERICAN FLORIST

NINETEENTH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
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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.

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

WE are receiving many applications for
men for outdoor work as well as inside.

WE learn with regret of the death of
Hugh Dickson, the well known rosarian
of Belfast, Ireland.

BOSTON ferns are said to grow rapidly
in a mixture of equal parts of cow and
horse manure well rotted, two and one-
half inches deep, with ashes for drainage.
They may be left in the bench until large
enough for 10-inch pots.

KOCHIA SCOPARIA is highly recom-
mended as an edging plant by T. W.
Brown, who has charge of the gardens
connected with the British building at
the World's Fair. Mr. Brown states
that the plant can be kept at a height of
six inches by pinching.

THE new French rose, Mme. Norbert
Levasseur (the dwarf Crimson Ram-
bler) has given much satisfaction as
a pot plant for Easter among a few New
York growers who have accorded it a
trial. It has been given the local name of
Dwarf Crimson Rambler because of the
general similarity in color and other fea-
tures to the Crimson Rambler. It does
not "ramble" but makes a pretty, dwarf
branching pot plant and produces good
specimens in a short time from the graft.

White Chrysanthemum for Christmas.

ED. AM. FLORIST:—What is the best
white chrysanthemum for Christmas?
G. M.

Merry Xmas and Yanoma are the best
late white chrysanthemums that we have
at present, either of which can be timed
for Christmas. C. W. JOHNSON.

Dioon Edule.

Referring to some recent comments in
the newspapers on the discovery of a
new plant, Prof. Charles Chamberlain, of
the botanical department of the Uni-
versity of Chicago, writes as follows:
"The newspaper clipping which you
enclose has the usual inaccuracies of such
reports. I went to Mexico to secure
material of *Dioon edule*, one of the
cycads. This plant, which is nearly
related to the common *Cycas revoluta*,
may be seen in the greenhouses of Wash-
ington and Lincoln parks, but since these
plants in our conservatories are either
sterile or only female, no seed is pro-
duced. My object was to observe the
phenomena of fertilization and formation
of the embryo. I succeeded in bringing
back an abundance of material for such
study. Some of the flowers weighed

over twelve pounds, and some of the
plants may have been a thousand years
old. The material was collected at
Chavarillo, near Jalapa."

Tar Water.

The English horticultural journals are
recommending tar water as a cheap and
easily accessible remedy against the
marguerite fly and other insects which
deposit their eggs on or in plants, spray-
ing not only on the plants very lightly,
but also on the stages, etc. The smell of
tar is said to be very objectionable to the
marguerite fly, also to the celery fly. The
tar water is made by boiling one-half
pound of gas tar in two gallons of water
for half an hour or so until it will readily
mix with water and then diluting with
water to filthy gallons.

New Vegetable Fiber.

The Mexican government has recently
been petitioned for the exclusive privilege
of establishing model plantations in the
hot lands of the republic for the cultiva-
tion of a fibrous plant commonly known
by the name of pita (*Bromelia sylvestris*).
The petitioner also asks for the exclusive
right of extracting the fiber from the
leaves of the plant and converting it into
manufactured articles for home con-
sumption by means of special machinery,
of which he claims to be the inventor.

Chrysanthemum Society of America.

WHITE MAUD DEAN.

The advertisements and notices con-
cerning the variety White Maud Dean,
now appearing in the trade papers, bring
to mind the fact that on November
26, 1898, John Lewis Childs, of Floral
Park, New York, exhibited Chrysanthem-
um White Maud Dean before the New
York committee of the Chrysanthemum
Society of America, and the variety scored
eighty-five points. It was described as a
sport from Maud Dean, white with
occasional pink shadings, and was
granted a certificate, No. 164. The
white sport from Maud Dean now being
offered to the trade may be a variety
entirely distinct from the one shown by
John Lewis Childs in 1898, but the new
sport has never been placed before a com-
mittee of the Chrysanthemum Society of
America, hence it is impossible to say
whether the two are identical.

FRED. H. LEMON, Sec'y.

The Late John J. McMahon.

ED. AM. FLORIST:—It seems that there
has been a general misunderstanding in
and around Peoria, Ill., with regard to
the death of the late John J. McMahon,
formerly of that vicinity. It is with the
view of explaining the circumstances of
his death that we ask that this letter be
published in your paper. Jos. B. Feld-
man and Mr. McMahon, both of J. C.
Murray's greenhouses, in Peoria, Ill.,
were engaged, the former as foreman
and the latter as florist by the Salt Lake-
Huddart Floral Company of this city
and arrived here on Saturday morning,
April 30. That night Mr. McMahon
was taken ill and on Monday morning
was taken to the St. Mark's hospital.
The best of medical skill was in attend-
ance, but the young man grew gradually
worse and died the following Saturday
at 10:30 p. m. The funeral was held on
Monday afternoon and was attended by
a large majority of the members of
our society. We understand that Mr.
McMahon had a severe cold prior to his

departure from Peoria, but we believe
that everything possible was done for
him and trust that this will acquaint his
eastern friends with the circumstances of
his death.

SALT LAKE FLORISTS' SOCIETY,
H. SCHWARTZ, Pres.

W. W. KING, Sec'y.

Salt Lake City, Utah, May 15, 1904.

Ideal Bedding Plant House.

ED. AM. FLORIST:—What is the ideal
house in which to grow a full line of bed-
ding plants? Please give dimensions of
house and best way to pipe it, the house
to stand exposed to the full sweep of
west winds. The thermometer has been
20° to 30° below zero this winter. In
winters before 15° below was the lowest
recorded. SUBSCRIBER.

A good deal will depend upon the extent
of the business to be done, but as being
suitable for almost any purpose, it is
suggested that eighteen feet inside be
selected for the width of the house, and a
length adapted to the business can be
used. It will be well either to run a par-
tition across the centre or to erect two
houses so as to provide conditions suited
to the different classes of plants, these
rooms or houses to be kept at 60° to 65°
and 45° to 50°. If an extensive business
is to be done a separate propagating
house will be a necessity. The ideal
house will have walls five feet high,
including two feet of glass. The ridge
will be ten feet high with a continuous
row of ventilators. A house of the width
proposed will accommodate two benches,
six and one-half feet wide, with a walk
between two feet in width. These should
be thirty inches high. If the house is not
more than 100 feet in length it can be
heated with a hot water boiler rated at
900 to 1,000 square feet of radiation.
For 60° use two 2½-inch flow pipes and
twelve 2-inch returns. For 50° take two
flows and eight returns. If the house is
partitioned run eight returns the entire
length of the house and put in four extra
pipes in the warmer end, and connect
with the flows. If there is to be but one
house it will be best under the conditions
to run it east and west, but for two
houses have them run north and south
and place the one to be kept the warmer
on the east side. L. R. TAFT.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 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 as working foreman; age 34;
married; 16 years' experience. State wages.
M B, care American Florist.

Situation Wanted—By carnation grower, pro-
ducer of the commercial stock and experienced in
having full control; age 30. Address
CARNATION GROWER, care American Florist.

Situation Wanted—By a competent rose and
carnation grower, married, three years on pres-
ent place. References as to ability and character
given. Chicago preferred. Address
A L, care American Florist.

Situation Wanted—By a sober, industrious
florist; married. 15 years' experience in pot and
floral culture. Capable of taking care of a
small commercial or private place. References.
H W, care American Florist.

Situation Wanted—An experienced steam fitter
with all necessary tools for large or small jobs
desires work of this character; either steam or
hot water. Address STEAM FITTER,
care Joseph Kift & Son, 1725 Chestnut St.,
Philadelphia, Pa.

Help Wanted—At once, a good carnation grower. Steady work. Western man preferred. COLFAX AVE. FLORAL CO., Denver, Col.

Help Wanted—Single man for general greenhouse work. Wages \$12.00 a week and good room. J. B. HEISS, The Exotic Nurseries, Dayton, O.

Help Wanted—First-class wire worker in wholesale establishment. State terms and full particulars. Address H D H, care American Florist.

Help Wanted—A competent man to grow roses, carnations and general stock. Must have best of reference. Good wages. Address O S, care American Florist.

Help Wanted—A competent man for assistant in private place; must be a good grower of general stock. Good wages to right man. Address PRIVATE, care American Florist.

Help Wanted—A carnation and 'mum grower; must be sober and industrious. State wages and give references. Address GRILLBORTZER BROS., Alexandria, Va.

Help Wanted—Gentlemen with some experience in the seed business to work on the road and in busy season of the year to work in the house. Steady employment and chance for advancement. A Z, care American Florist.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references. FRED J. KING, Ottawa, Ill.

For Sale—Bargain. Glass, bars, pipe and heater from house; little used. Address E. H. ALDERMAN, Middlefield, Mass.

For Sale—A retail store on one of the principal corners on the south side (Chicago), doing a good business. RETAIL, care American Florist.

For Sale—In Toronto, Canada, good store business in good locality. This is a chance for the right man. Price reasonable for cash. Address Box 10, care American Florist.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address SAMUEL J. BUNNING, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—An elegant greenhouse plant. 40,000 feet of glass, 20 lots, fine dwelling, wagons, etc; modern, up-to-date, all new; ready market; cannot supply the demand. Fine retail trade in a thriving city in Colorado; have other business. Will sell reasonably if sold at once. Address W W, care American Florist.

For Sale—Well established florist business, centrally located in a hustling city of 11,000 population. No other similar concern of importance within a radius of 50 miles. A good investment for party with sufficient capital to push the business. For particulars address FRANK M. PAINE, Traverse City, Mich.

For Rent—Well-established greenhouse; five houses, practically new, two boilers in good condition. Will also sell stock of roses and carnations. Dwelling and twelve acres of rich soil; three acres of peonies. A splendid opportunity for investors. Address MRS. PETER ENGELLAND, Blue Island, Ill.

For Sale—General florist and gardening property, established twenty years, at Grand Haven, Mich., about eight acres, muck and sand, twelve houses, 22,000 feet of glass, steam, dwelling, barn and canning factory. Must be sold by order of the court, June 18th. Address J. CHAS. ROSS, South Union St., Grand Rapids, Mich.

For Sale or Rent A good paying place in the heart of a thriving Iowa city of 10,000 inhabitants. Must sell on account of poor health. 5000 feet of glass, 3 acres good land, 2 blocks from main street; fine well and city water; windmill and 100 bbl. tank; 40 h. p. boiler; coal house, potting room. Only one other greenhouse in town and output far below the demand. Two dwelling houses connected; Iowa Central switch track passes garden and coal house; long distance phone and other conveniences. A gilded opportunity. \$3,000.00 cash or \$4,000.00 in reasonable payments. Address K M Y, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. JAS. RICHARDSON, London, O.

For Sale—House of eleven rooms with all modern improvements, small stable, two acres of ground and modern three-quarter span greenhouse 20x200, heated with No. 8 brick-set Furnace hot water boiler (boiler of sufficient capacity to heat another house). All in first-class condition. This property, located in Billerica, Mass., can be sold on easy terms. Owner would like to sell to first-class violet grower and arrange to take the product of the house. Address Box 15, Billerica, Mass.

For Sale—Having decided to change to steam, we offer one No. 1 Kroeschell, 7 years old, new flues and head one year ago, one No. 3 Kroeschell boiler almost new, one Phelps Ideal hot water heater—a good, cheap heater to put in for safety; six 4-inch gate and angle valves, six 2½-inch gate valves, a large number of 4-inch and 2½-inch screw fittings—all good as new and at half price. Also three closed expansion steel tanks with safety and air valves. Address JOSEPH BANCROFT & SON, Cedar Falls, Iowa.

FOR RENT OR SALE.

Modern greenhouse plant and dwelling, near Philadelphia. Built 1902. 4 houses 100x28 ft. 1 propagating house, 2 sheds, one running north and south, connecting all houses, one running east and west, protecting the entire plant. Office in shed. Pice delivery wagon, covered wagon and carriage. Houses fully stocked with roses, carnations, ferns, palms, bedding plants, herbaceous plants, etc. 2 acres new ground. Will sell entire stock at sacrifice. Present owner retiring on account of health. JOS. T. SULLIVAN, 429 Walnut St., Philadelphia.

GREAT BARGAIN.

LITTLE MONEY. Greenhouses, stocked with Asparagus and Smilax. Good dwelling, first-class steam plant, 4 acres of land, near New York. Am compelled to dispose of it. Very little cash required. Unusual opportunity to the right man, as every inducement will be offered. Address H. H. TODD, care New Rochelle Coal and Lumber Co., New Rochelle, N. Y.

A Southern Enterprise

The south has some advantages over other parts of the country for growers of many useful Bulbs, Tubers and other plants which do not suffer in transportation.

We speak in the interest of clients of a thriving locality that has been forging to the front since, nine years ago, some northern gentlemen, comprehending the advantages that are natural and could be made subservient to the whole country with profit and comparatively small expense located there, and having the courage of their convictions, have come to a gratifying stage of development where what might have been termed a speculation will be recognized to-day as an actuality.

These parties now have two nurseries in operation a short distance apart, but will establish a much larger plant in same locality with greenhouses for propagation. They are about to reorganize as a corporation and will require four special well qualified assistants; two overseers who understand the business, one propagator and one man to travel, to sell and make contracts for growing stock to order. These four men must be experienced and ambitious. Any ordinary person simply looking for a salary will not suffice. We want men who are willing to invest some capital even though it be small, whereby they become financially interested. It is an opportunity worthy of the most careful investigation for any one with ability, some money and who is not tied to any other locality.

FLORISTS' AMERICAN EXCHANGE

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,
care Citizens Trust Company, MILWAUKEE, WIS.

E. H. Hunt,
WHOLESALE
Cut Flowers
 "THE OLD RELIABLE."
 76 Wabash Ave., ...CHICAGO.
 Wholesale Flower Markets

HEADQUARTERS FOR FANCY FERNS.
\$2.50 Per 1000.

AMERICAN BEAUTY		Per Dozen.	Per 100
36-inch stems.....		\$6.00	\$2.00 to \$4.00
24 to 30-inch stems.....		5.00	1.00 to 1.50
18 to 24 ".....	2.50 to 3.00		10.00 to 12.50
12 to 18 ".....	1.00 to 1.50		10.00 to 12.50
Short.....	\$4.00 per 100		2.00 to 4.00
		Per 100	
Bride and Maid.....	\$5.00 to 10.00		3.00
Golden Gate.....	5.00 to 10.00		3.00
Liberty, Chatenay.....	6.00 to 12.00		1.00
Carnations.....	2.00 to 3.00		1.00
" Fancy.....	3.50 to 5.00		20.00 to 25.00
Peonies, per dozen.....	60c to \$1 00		2.00

Valley..... \$2.00 to \$4.00
 Narcissus, Poets..... 1.00 to 1.50
 Harrisii..... 10.00 to 12.50
 Callas..... 10.00 to 12.50
 Asparagus Sprengeri, sprays.... 2.00 to 4.00
 " Plumosus, string, 25c to 50c each
 Fancy Ferns..... per 1000, \$2.50 .30
 Southern Fancy, per 1000, 3.00
 Galax, Bronze, Green, 1000, \$1.25 .15
 Adiantum..... 1.00
 Leucothoe Sprays..... 1.00
 Smilax..... 20.00 to 25.00
 Gardenias..... 2.00

We Can Still Supply a Small Quantity of Selected WILD SMILAX, 50-lb. cases, \$8.00.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

MILWAUKEE, May 19.

Roses, Beauty, long per doz.	3.00@4.00
" " med.	1.50@ 2 00
" " short.....	4.00@ 8.00
" Bride, Bridesmaids.....	4.00@ 6.00
" Meteor, Golden Gate.....	4.00@ 6.00
" Perle.....	4.00@ 6.00
Carnations.....	2.00@ 4.00
Smilax.....	15.00
Asparagus.....	35.00@50.00
Valley.....	4.00@ 3.00
Tulips.....	2.00@ 3.00
Daffodils.....	2.00@ 3.00
Callas.....	10.00
Harrisii.....	12.50
Peonies.....	4.00@ 6.00
Cape Jasmine.....	1.00@ 1.50

PRITTSBURG May 19.

Roses, Beauty, specials.....	25.00@30.00
" " extras.....	15.00@20.00
" " No. 1.....	6.00@10.00
" " ordinary.....	3.00@ 5.00
" Bride, Bridesmaid.....	2.00@ 8.00
" Meteor.....	2.00@ 6.00
" Liberties.....	3.00@12.00
" Kaiserin.....	2.00@ 6.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	2.00@ 4.00
Smilax.....	15.00@25.00
Asparagus, strings.....	30.00@50.00
Asparagus Sprengeri.....	2.00@ 3.00
Violets.....	.20@ .50
Lilies.....	3.00@ 8.00
Paper White.....	1.00@ 3.00
Tulips.....	1.00@ 3.00
Daffodils.....	1.00@ 3.00
Roman Hyacinths.....	2.00
Yellow Purple Iris.....	8.00
Candy Tuft.....	2.00

CINCINNATI, May 19.

Roses, Beauty.....	2.00@ 6.00
" Bride, Bridesmaid.....	2.00@ 5.00
" Liberty.....	4.00@ 8.00
" Meteor, Golden Gate.....	4.00@ 8.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	15.00
Adiantum.....	1.00@ 1.50
Violets.....	.50
Narcissus.....	3.00
Romans.....	3.00
Harrisii.....	8.00@12.50
Calla.....	6.00@10.00

ST. LOUIS, May 19.

Roses, Beauty, long stem.....	2.00@2.50
" Beauty, medium stem.....	1.00@1.50
" Beauty, short stem.....	.25@ .75
" Bride, Bridesmaid.....	3.00@ 6.00
" Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 3.00
Smilax.....	15.00
Asparagus Sprengeri.....	2.00@ 3.00
Plumosus.....	25.00@50.00
Ferns..... per 1000	2.00@3.00
Valley.....	3.00
Callas.....	8.00@10.00
Harrisii.....	8.00@10.00
Adiantum.....	1.00@ 1.25
Lilac.....	2.00@ 4.00
Peonies.....	5.00 @ 6.00

Brant & Noe Floral Co.,
 GROWERS OF
Cut Flowers at Wholesale.
 Careful attention given shipping orders.
 58-60 Wabash Ave., CHICAGO.
 Please mention the American Florist when writing.

H.G. BERNING
 Wholesale Florist
 1402 Pine St., ST. LOUIS, MO.

RICE BROTHERS
 128 N. 6th St., MINNEAPOLIS, MINN.
 Wholesale Cut Flowers and Supplies.
 Wild Smilax | Flowers billed at Market Prices.
 Shippers of choice Cut Flowers and Greens of all kinds. Try us.
 Please mention the American Florist when writing.

C. A. KUEHN,
 Wholesale Florist,
 1122 Pine St., ST. LOUIS, MO.
 A Complete Line of Wire Designs.

Pittsburg Florist Exchange
 WHOLESALE FLORISTS.
 243 Diamond St., Pittsburg, Pa.
 CONSIGNMENTS SOLICITED.

Wm. Murphy
 GROWER AND WHOLESALE COMMISSION DEALER IN
Cut Flowers
 AND FLORISTS' SUPPLIES.
 Fresh cut daily of American Beauty, Bride, Maid, Liberty, Carnations, Sweet Peas, Lilies and Smilax. Galax Leaves always in stock. Ferns and Sphagnum Moss.
 WRITE, WIRE OR PHONE
 128 E. 3rd St., CINCINNATI, OHIO.
 L. D. Phone M-980. Night Message W-1191 R.

J. M. McCULLOUGH'S SONS
 WHOLESALE
FLORISTS
 ALSO SUCCESSORS TO
 THE CINCINNATI CUT FLOWER CO.
 CONSIGNMENTS SOLICITED.
 Special Attention Given to Shipping Orders.
 316 WALNUT ST. CINCINNATI, OHIO.
 Please mention the American Florist when writing.

Michigan Cut Flower Exchange,
 WM. DILGER, Mgr.
 All Cut Flowers in Season.
 26 Miami Ave., DETROIT, MICH.
 Please mention the American Florist when writing.

KENNICOTT BROS. COMPANY
 WHOLESALE COMMISSION FLORISTS
 AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,
 AT CHICAGO MARKET RATES.
 42-44 E. Randolph St., CHICAGO, ILL.

ORDERS FOR DECORATION DAY

Will receive our very Best Attention. We shall have our usual large supply in all Lines of Seasonable Stock and solicit your orders.

CAPE JASMINE, the true Grandiflora, Alabama grown, \$1.50 per 100; \$10.00 per 1000.

PEONIES, 75c to \$1.00 per doz.; \$6.00 per 100.
ALL OTHER CUT FLOWERS IN SEASON.

E. C. AMLING,

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

32-34-36 Randolph St., CHICAGO, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 40-inch stem.....	\$4.00
24-inch stem.....	3.00
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	1.00
Short stems, \$4.00 to \$8.00 per 100	
	Per 100
Bride, Maid, Meteor and Gate..	\$4.00 to \$ 6.00
Liberty.....	4.00 to 8.00
Roses, our selection.....	3.00
Carnations.....	2.00 to 3.00
" large and fancy.....	3.00 to 4.00
Peonies.....per doz., 75c to \$1.00	6.00
Valley.....	2.00 to 4.00
Poet Narcissus.....	1.00
Mignonette, per doz.....	35c to 50c
Sweet Peas.....	.75 to 1.50
Yellow Daisies.....	1.00 to 3.00
Callas, per doz.....	\$1.25
Harrisii, per doz.....	1.25 to 1.50
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns from storage.....1000, \$4.50	.50
" "Snow Birds".....1000, 3.00	.30
Galax.....per 1000, 1.25	.15
Adiantum.....	.75 to 1.00
Smilax.....per doz., \$2.00	15.00
Leucothoe Sprays.....	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Frank Garland, CUT FLOWERS.

Wholesale Grower of

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS.**

Room 218, 51 Wabash Avenue.

Telephone Central 3284. **CHICAGO.**

A. L. RANDALL CO. Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**

Room 218, 51 Wabash Ave., Atlas Block, Chicago. Telephone Central 3284.

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.

BUCKSPORT, ME.—The greenhouses of Buckley & Preble, formerly the property of F. H. Moses, were burned on May 12. The loss is estimated at \$3,500.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **WHOLESALE GROWER of CUT FLOWERS**
A Specialty.....

HOLTON & HUNKEL CO., -- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, May 20.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 " "	2.00@ 2.50
" " 15 to 18 " "	1.50@ 2.00
" " 12 " "	1.00@ 1.50
" Liberty.....	3.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	2.00@ 2.50
" fancy.....	3.00@ 4.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@ 6.00	
" Sprengeri.....	3.00@ 6.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
" Green, " "	1.00
Adiantum.....	1.00
Fancy ferns...per 1000 3.00@ 5 00	
Smilax.....	15.00@ 20.00
Callas.....	1.00@ 1.50 per doz.
Harrisii.....	1.00@ 1.50 " "
Sweet peas.....	.75@ 1.50

SINNER BROS. CUT FLOWERS

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co. Wholesale Growers of

and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention. **35-37 Randolph Street, CHICAGO, ILL.**

GREENHOUSES: Morton Grove, ILL. Please mention the American Florist when writing.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE Wholesale Growers and Shippers of CUT FLOWERS,

59 Wabash Ave., Chicago. SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

ST. PAUL, MINN.—Flower gardens in the depot grounds is a suggestion the Soo line has made to its agents, and the road furnishes seeds to all who are willing to make and care for flower gardens.

Leo Niessen

FOR DECORATION DAY

Paeonias, Roses,
Carnations, Dagger Ferns.

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open
from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. MCCARTHY & Co.,



WELCH BROS., BOSTON, MASS.

CAN SUPPLY 500,000 Hardy Ferns for Decoration Day AT \$1.50 PER 1000!

The Philadelphia Wholesale
Flower Market.

1228 Cherry St., PHILADELPHIA.

THIRD FLOOR,

Open from 7 A. M. to 6 P. M. Telephones.

Please mention the American Florist when writing.

THOMAS YOUNG, Jr.

WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

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.

N. Lecakes & Co.

53 W. 23th St., and
45 W. 29th St., Also
at 26th St. and 34th
St. Markets

NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.

LENOX, MASS.—The regular meeting of
the Lenox Horticultural Society was
held May 7. President E. Jenkins read
a very interesting paper on "Artificial
Fertilizers and Chemical Foods" which
was thoroughly enjoyed by all present.
G. K.

Galax, Brilliant Bronze or
Green, selected stock,
\$1.00 per 1000; \$3.75 per
5000. Leucothoe Sprays,
assorted sizes, \$1.00 per 100. Rustic Hanging Baskets,
Best make, 8-in., 10-in., 12-in. bowl, each, 50c,
75c, \$1.00. ALL KINDS OF FLORISTS' SUPPLIES.

Tel. 597 Madison Square. **L. J. KRESHOVER,**
110-112 W. 27th St., New York.

Wholesale Flower Markets

Boston, May 18.

Roses, Beauty, extra.....	8.00@12.00
" " medium.....	5.00@ 6.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid.....	1.00@ 3.00
" extra.....	4.00@ 6.00
" Liberty.....	4.00@ 8.00
Carnations.....	.50@ 1.00
" Fancy.....	1.50@ 2.00
Lily of the valley.....	1.00@ 3.00
Harrisii lilies, Calla.....	2.00@ 6.00
Smilax.....	12.00@20.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	.75@ 1.00
Tulips.....	.75@ 1.00
Peas.....	.50@ .75

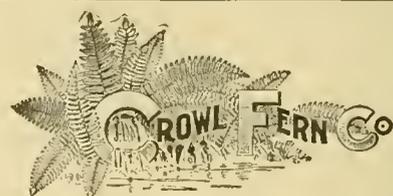
PHILADELPHIA, May 18.

Roses, Tea.....	3.00@ 5.00
" " extra.....	6.00@ 8.00
" Beauty, extra.....	10.00@16.00
" " firsts.....	6.00@ 8.00
" Queen of Edgely, extra.....	10.00@16.00
" " firsts.....	6.00@ 8.00
Carnations.....	1.00@ 4.00
Lily of the valley.....	3.00@ 4.00
Lilac, outside.....	.5c@ 10c per bunch
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Snap Dragon.....	8.00@12.00
Sweet peas.....	.50@ .75

BUFFALO, May 19.

Roses, Beauty.....	3.00@25.00
" " Bride, Bridesmaid, Meteor.....	2.00@ 8.00
Carnations.....	1.50@ 5.00
Harrisii.....	5.00@10.00
Lily of the valley.....	2.00@ 4.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1.00
Callas.....	.50@ 8.00
Sweet Peas.....	.40@ 1.00

GREENVIEW, ILL.—Mrs. Emelia G. Cook
has bought the greenhouses and business
of Mrs. S. N. Alkire.



New Crop Dagger Ferns,

\$1.50 per 1000. The Finest and Largest
Ferns Ever Sold.

FANCY FERNS, NEW CROP,
\$2.00 Per 1000.

BOUQUET GREEN, \$6.00 per
100 Lbs.

Bouquet Green Wreaths and Laurel
Wreaths. ALL SIZES
AND PRICES.

Laurel Festooning. Extra fine and full, 4c,
5c and 6c per yard, and
made fresh daily from the woods.

Southern Wild Smilax, \$6.00 per case
50 pounds.

Bronze and Green Galax, 75c per 1000.
Discount on
large orders.

Send us your orders for MEMORIAL DAY now
and you will get the best to be had and at rock
bottom prices. Satisfaction guaranteed, no mat-
ter how large or small the order, it will be filled
promptly and with the best and freshest stock
right from the woods. Telephone and telegraph
orders will receive immediate attention.

Tell Us Your Wants We will Do the Rest.

Telegraph Office, NEW SALEM, MASS.
Long Distance Telephone Connections.

CROWL FERN COMPANY,

Millington, Mass.

Please mention the American Florist when writing

HARTFORD, CONN.—Mrs. Theodore
Wirth and children sail from New York
on the steamer Koenig Albert Saturday,
May 21, en route to Mr. Wirth's home in
Switzerland, where they will sojourn
until fall.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Telephone 2065 Madison Sq. **Wholesale Florists.**

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. Wholesale WILLIAM GHORMLEY, Commission VIOLETS

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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. Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 956 Madison Sq. 115 W. 30th St., New York. Also 45 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. Cut Flower Exchange, New York.

OPEN 6:00 A. M.

An Unacquainted 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, May 18.

Roses, Beauty, Liberty, best.....	8.00@15.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 4.00
" " Bride, Bridesmaid, G. Gate.....	.50@ 5.00
" " Brunner.....	6.00@15.00
Carnations.....	.50@ 1.50
" " fancy and novelties.....	2.00@ 4.00
Lily of the valley.....	.50@ 1.50
Lilies, Callas.....	3.00@ 5.00
Smilax.....	12.00@20.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Tulips.....	1.00@ 2.00
Narcissus.....	.25@ 1.00
" " Pœticus.....	.25@ .50
Gardenias.....	25.00@35.00
Stocks.....	.10@ .25 per bun.
Sweet peas.....	.03@ .10 per bun.
Mrs. Roses.....	.75@ 1.00 per bun.
Lilac.....	.10@ .25 per bun.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK Tel. 2230 Madison Square.

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

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK. Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS TELEPHONE 230 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 1664 and 1665 Madison Square.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments: TELEPHONE J. A. MILLANG, 756 Madison Sq. MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

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INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.
Please mention the American Florist when writing.

NEW YORK.

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546 Fifth Avenue,
Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. **Cable Address: ALEXCONNELL.**

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TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

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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.

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SIEVERS & BOLAND,
Floral Artists,
33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

24 1/2 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873. L. Dist. Phone Lindell 196 N.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Etruria	1	Sat. May 28, Noon.	June 4
New York.....	"	Lucania	1	Sat. June 4, 10.00 a. m.	June 10
New York.....	Glasgow	Numidian	2	Thur. May 26, 2.00 p. m.	June 5
Boston.....	Liverpool	Saxonia	1	Tues. May 24, 5.00 p. m.	June 1
Montreal.....	"	Pretorian	2	Sat. May 28,	June 7
Montreal.....	"	Tunisian	2	Sat. June 4,	June 14
New York.....	Genoa	Prinz Oskar	3	Tues. May 31, 10.00 a. m.	June 15
New York.....	Hamburg	Bleucher	3	Thur. May 26, 10.00 a. m.	June 5
New York.....	"	Moltke	3	Thur. June 2, 10.00 a. m.	June 12
New York.....	"	Pretoria	3	Sat. June 4, 9.30 a. m.	June 14
New York.....	Copenhagen	United States	4	Wed. May 25, 2.00 p. m.	June 4
New York.....	Glasgow	Columbia	5	Sat. May 28, 4.00 p. m.	June 7
New York.....	"	Ethiopia	5	Sat. June 4, Noon.	June 14
New York.....	London	Mesaba	8	Sat. May 28, 9.00 a. m.	June 7
New York.....	"	Minnetonka	8	Sat. June 4, 10.00 a. m.	June 14
New York.....	Liverpool	Majestic	7	Wed. May 25, 10.00 a. m.	June 1
New York.....	"	Arabic	7	Fri. May 27, 4.00 p. m.	June 3
New York.....	"	Oceanic	7	Wed. June 1, 8.00 a. m.	June 8
Boston.....	"	Cretic	7	Thur. June 2, 12.30 p. m.	June 9
Boston.....	Naples	Canopic	7	Sat. May 28, 9.00 a. m.	June 4
New York.....	Southampton	St. Louis	8	Sat. May 28, 9.30 a. m.	June 4
New York.....	"	Germanic	8	Sat. June 4, 9.30 a. m.	June 11
New York.....	Antwerp	Finland	9	Sat. May 28, 10.30 a. m.	June 7
New York.....	"	Vaderland	9	Sat. June 4, 10.30 a. m.	June 14
New York.....	Havre	La Savoie	10	Thur. May 26, 10.00 a. m.	June 4
New York.....	"	La Touraine	10	Thur. June 2, 10.00 a. m.	June 11
New York.....	Rotterdam	Ryndam	11	Tues. May 24, 10.00 a. m.	June 3
New York.....	"	Noordam	11	Tues. May 31, 10.00 a. m.	June 10
New York.....	Genoa	Sardegna	12	Tues. May 31, 11.00 a. m.	June 15
New York.....	Bremen	K. Wil. Der Grosse	13	Tues. May 24, 10.00 a. m.	May 31
New York.....	"	Bremen	13	Thur. May 26, 9.00 a. m.	June 5
New York.....	"	Kronprinz With.	13	Tues. May 31, 7.00 a. m.	June 7
New York.....	"	Grosser Kurfuerst	13	Thur. June 2, Noon.	June 12
New York.....	Genoa	Konigin Luise	13	Sat. May 28, 11.00 a. m.	June 11
New York.....	"	Hohenzollern	13	Sat. June 4, 11.00 a. m.	June 17
Boston.....	Liverpool	Cestrian	14	Wed. May 25, 6.00 a. m.	June 4
Boston.....	"	Devonian	14	Wed. June 1, Noon.	June 11
Montreal.....	"	Vancouver	15	Sat. May 28, 9.00 a. m.	June 6

* 1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 8 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

Artistic Designs. 
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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P. J. HAUSWIRTH

Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

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 Wallington St., Covent Garden, London, England.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Umbria	1	Sat. May 28	June 4
Liverpool.....	"	Campania	1	Sat. June 4	June 10
Glasgow.....	"	Laurentian	2	Sat. June 4	June 14
Liverpool.....	Boston	Ivernia	1	Tues. May 24	June 1
Liverpool.....	Montreal	Ionian	2	Thur. May 26	June 5
Liverpool.....	"	Bavarian	2	Thur. June 2	June 12
Genoa.....	New York	Phoenicia	3	Sat. May 28	June 12
Genoa.....	"	Prinz Adalbert	3	Sat. June 4	June 19
Hamburg.....	"	Deutschland	3	Thur. May 26	June 8
Hamburg.....	"	Auguste Victoria	3	Thur. June 2	June 12
Hamburg.....	"	Pennsylvania	3	Sat. June 4	June 14
Copenhagen.....	"	Island	4	Wed. May 25	June 4
Copenhagen.....	"	Oscar II	4	Wed. June 1	June 11
Glasgow.....	"	Astoria	5	Thur. May 26	June 5
Glasgow.....	"	Anchoria	5	Thur. June 2	June 12
London.....	"	Minnehaha	8	Sat. May 28	June 7
London.....	"	Minneapolis	8	Sat. June 4	June 14
Liverpool.....	"	Teutoic	7	Wed. May 25	June 2
Liverpool.....	"	Celtic	7	Fri. May 27	June 8
Liverpool.....	"	Cedric	7	Wed. June 1	June 9
Liverpool.....	Boston	Republic	7	Thur. May 26	June 2
Liverpool.....	"	Cymric	7	Thur. June 2	June 9
Naples.....	"	Romanic	7	Wed. June 1	June 14
Southampton.....	New York	St. Paul	8	Sat. May 28	June 3
Southampton.....	"	Philadelphia	8	Sat. June 4	June 11
Antwerp.....	"	Kroonland	9	Sat. May 28	June 7
Antwerp.....	"	Zeeland	9	Sat. June 4	June 14
Havre.....	"	La Lorraine	10	Sat. May 28	June 6
Havre.....	"	La Gascogne	10	Sat. June 4	June 13
Rotterdam.....	"	Potsdam	11	Sat. May 28	June 7
Genoa.....	"	Sicilia	12	Mon. May 23	June 8
Genoa.....	"	Lombardia	12	Mon. May 30	June 14
Bremen.....	"	Prinzess Alice	13	Tues. May 24	June 3
Bremen.....	"	Barbarossa	13	Sat. May 28	June 7
Bremen.....	"	Kaiser Wilhelm II	13	Tues. May 31	June 7
Bremen.....	"	Frdk. Der Grosse	13	Sat. June 4	June 14
Genoa.....	"	Prinzess Irene	13	Thur. May 26	June 8
Liverpool.....	Boston	Bohemian	14	Sat. May 28	June 7
Liverpool.....	"	Capadian	14	Sat. June 4	June 14

* See steamship list on opposite page.

Cape Jasmine Blooms.
\$8.00 per 1000. Every shipment guaranteed.
Wire your orders for Decoration Day.
F. & S. LEE, Marlon, Ala.
Please mention the American Florist when writing.

S. S. Skidelsky,
708 N. 16th St., Philadelphia.
Please mention the American Florist when writing.

PETER REINBERG

51 Wabash Ave., CHICAGO.
Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.	\$6.00
" " 30-in. "		3.00
" " 20-24 " "		2.00
" " 15-18 " "		1.50
" " Short stems.....	.75 to 1.00	
Per 100		
SUNRISE.....	\$5.00 to \$7.00	
CHATENAY.....	6.00 to 10.00	
BRIDE.....	3.00 to 6.00	
BRIDESMAID.....	3.00 to 6.00	
PERLE.....	3.00 to 6.00	
CARNATIONS.....	2.00 to 3.00	
ROSES, OUR SELECTION.....	4.00	

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

Orchids!

Arrived in PERFECT condition, Cattleya Mossiae, C. Jabata, Laelia crispa, Oncidium varicosum Rogersii, O. Papilio, O. crispum, Laelia anceps, Cattleya Trianae and many more. Write for prices.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

Yellow Daisies and fine Kaisersins, Maids and Brides, Fancy Carnations.
PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.
Please mention the American Florist when writing.

FOR DECORATION DAY

Carnation Blooms

WRITE OR TELEGRAPH

The Chicago Carnation Company,

JOLIET, ILL.

Please mention the American Florist when writing.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. P. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

LYONS, MICH.—Chicago seedsmen are making liberal bean contracts here.

CORN and bean growers are discouraged by the continued cold weather.

CUCUMBER seed of pickling sorts is well cleaned up at \$1.50 to \$1.65 per pound.

THE annual seed trade convention will convene at St. Louis June 21, one month from to-day.

THE Canadian postoffice department has inaugurated a system of insuring valuable letters.

VISITED CHICAGO: G. C. Eldering, of W. J. Eldering & Son, Overveen, Holland, enroute to New Orleans.

NEWPORT, R. I.—The new seed store of William B. Scott & Company will soon be open for business.

THE yield of New Zealand cocksfoot is about 30,000 sacks less than that of 1903, and some 15,000 are discolored by unfavorable weather, a portion badly so.

CLARINDA, IA.—The A. A. Berry Seed Company reports an extensive business this spring and will build a new warehouse and addition for supplies during the summer.

DETROIT, MICH.—At the republican state convention at Grand Rapids, Mich., May 18, D. M. Ferry was elected delegate at large to the next republican national convention.

NEW YORK.—Several thousand sacks of Dutch potatoes, old crop, arrived last week and sold at from \$2.25 to \$2.50 per barrel, sacked. New southern potatoes are bringing from \$5.00 to \$5.50 per barrel.

PLANTING time confirms the statement often made in these columns that high test, true type, Stowell's Evergreen

sweet corn is worth a good price. Critical planters are disposed to pay \$6 per bushel for right stock.

SOUTHFIELD, Mass.—Edwin R. Baldwin, of this place, died suddenly in Springfield, Illinois, May 7, aged 78 years. Mr. Baldwin was born at this place and has always made it his home. The funeral was held here Wednesday, May 11. For the last twenty-three years Mr. Baldwin had been employed as traveler for Benjamin Hammond, Fishkill, N. Y., and was well and favorably known in the seed trade.

Bag Filling Machine Suit.

Judge Hazel, in the circuit court of the United States sitting at Buffalo, N. Y., issued a restraining order May 7 against J. L. Drohen, in Brown Bag Filling Machine Company against Drohen, restraining Drohen from making, exhibiting or operating a bag-filling machine, which is charged by the Brown Bag Filling Machine Company to be an infringement of certain patents owned by that company.

New Potato.

The French National Society of Agriculture has recently had its attention called to a new potato, which some French journals say will not only play an important role in agriculture, but will supplant the Irish potato. The technical name of the new vegetable is *Solanum Commersonii*, but it is now beginning to be called the Uruguay Irish potato, as it comes from the banks of the Mercedes river in Uruguay. The yield is said to be enormous, and it appears to be immune from any disease. This potato is cultivated like the common vegetable of this name, or at least, has been so cultivated in the trials made in France since 1901.

British Seed Trade Notes.

The other day I had the pleasure of a chat with J. Harrison, the head of the old established firm of Harrison & Son, seedsmen, of Leicester. This big enterprise dates back several generations to 1764, when the Harrison family was engaged in market growing and seed-raising in the Midlands. The principal has had forty-three years' practical experience, so

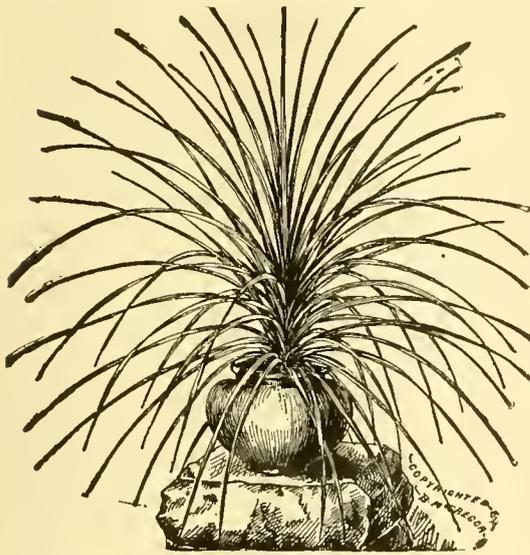
that he is well versed in all phases of the business. He has experienced the many changes which have taken place in methods of growing during the past thirty years. "I find that fashion has a considerable influence on the demand," he said, "but economy of production has a greater influence on the growers. There is now a higher cultural skill noticeable, and the growers choose the varieties introduced by the seedsmen which are more beneficial to grow and by that means educate the public taste." As regards the recent "boom" in high priced new varieties of potatoes, Mr. Harrison considered that this has been carried to an extreme approaching absurdity. "The anxiety to possess new varieties," he remarked, "has excited ambitious men to speculate in large sums, for the purpose of monopolizing new sorts. It is difficult to foresee the result, but I notice that new potatoes are becoming very common and large sums will be staked for some time as a matter of speculation." The excitement caused by the speculations in fabulous prices in the new variety, Eldorado, which is supposed to have marvelous disease resisting powers, has now subsided. There are now a large number of new aspirants for fame in the potato world, the zeal of the raisers being stimulated by the immense sums which have been realized. In the potato growing district of Lincolnshire an effort is being made to bring to the front the advantages offered by E. L. Coy's Vermont Gold Coin. It is stated that this American introduction takes very kindly to the English soil and several growers are enthusiastic in its praise.

D. C. Hutcheson, a partner in the firm of Storrie & Storrie, seedsmen, Dundee, has been the recipient of a handsome marble clock and ornaments subscribed to by 160 horticulturists on the occasion of his approaching marriage. During the proceedings David Storrie paid a high tribute to the sterling qualities the recipient had shown in the positions he had honorably filled as an apprentice, journeyman, manager and partner.

HOUSTON, TEX.—F. W. Beach, formerly with the Texas Seed and Floral Company, Dallas, Texas, is now with the Houston Floral Company, of this city.



FIELD OF FREESIAS IN CALIFORNIA.



Dracaena Indivisa.

DREER SPECIALS IN SEASONABLE STOCK.

DRACAENA INDIVISA. Fine plants for centers of Vases, Window Boxes, Etc. 4-inch pots.....	\$2.00	Per Doz.	Per 100
5-inch pots.....	2.50		\$15.00
AMPELOPSIS VEITCHII. Extra heavy two-year plants, 2 to 3 feet, heavy, bushy plants. 4-inch pots.....	1.25		10.00
5-inch pots.....	2.00		15.00
ARISTOLOCHIA SIPHO. Strong plants.....	3.50		25.00
BIGNONIA GRANDIFLORA. Strong plants.....	3.00		20.00
Radicans. Strong plants.....	1.50		10.00
CLEMATIS. Strong two-year-old plants,			
Duchess of Edinburgh.....	3.50		25.00
Gipsy Queen.....	3.50		25.00
Henryi.....	3.50		25.00
Jackmani.....	3.50		25.00
Jackmani Superba.....	3.50		25.00
Lilicina Floribunda.....	3.50		25.00
Mme. Baron Veillard.....	3.50		25.00
The Gem.....	3.50		25.00
The President.....	3.50		25.00
HARDY JASMINES. White and Yellow.....	1.50		12.00
WISTARIA SINENSIS. Blue, \$3.50 per dozen; \$25.00 per 100. White.....	4.00		30.00

For a complete list of SEASONABLE STOCK, including a complete list of HARDY PERENNIALS, Roses for out-door planting, Dahlias, etc., see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

To
Seedsmen

The Only Machine...

on the market for automatically filling and sealing seed packets. * * * * *

The Brown Bag-Filling Machine Co.

FITCHBURG, MASS.

Please mention the American Florist when writing.

FROZEN VALLEY PIPS

\$15.00 per 1000.

WM. ELLIOTT & SONS, New York.

Please mention the American Florist when writing.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lillacs, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Rafilla, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

NICKEL PLATE.
The New York, Chicago & St. Louis R.R.

NO EXCESS FARE ON ANY TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Elmhurst, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address Q. JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

LILY OF THE VALLEY. COLD STORAGE.

Extra Selected Pips for delivery from now on through the Summer and Autumn, \$15.00 per 1000.

LORRAINE BECONIAS, healthy stock, 2 1/4-inch pots.

Immediate Delivery: \$3.00 per doz.; \$22.50 per 100; \$200.00 per 1000.

June-August Delivery: \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000

ARTHUR T. BODDINGTON, 35 Warren St., New York.

Henry Mette,

QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Vegetable and Flower Seeds.

Mette's Triumph of the Giant Pansies,

the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per 1/4 oz.; 75c per 1-16 oz. Postage paid. Cash with order.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus SEED.

\$3.50 per 1000; larger quantities less. Guaranteed true to name and of highest germinating quality.

Drake Point Greenhouses, YALAHUA, FLORIDA.

FREMONT, MICH.—R. L. Chamberlain has sold a half interest in his greenhouse business to N. DeHaas and a large addition will be built.

VEGETABLE PLANTS.

CABBAGE plants, 50c per 100; \$3.00 per 1000. TOMATO plants, 50c per 100; \$3.00 per 1000. EGG plants, PEPPER plants and PANSY plants. Write for list.

C O WILLIAMS, 99 Water Street, Batavia, Ill.

VEGETABLE PLANTS.

Wakefield and Early Summer Cabbage, transplanted, \$2.50 per 1000; Sweet Potatoes, \$1.50; Tomatoes in var., \$1.50, \$2.50 and \$5.00 per 1000. Pepper, Egg Plant, a few million Celery in var. Late Cabbage and Cauliflower. Cash with order. Price list mailed free. Also bedding plants and Pansies.

LUDVIC MOSBAEK, Phone 105, Onarga, Ill.

Tomato Plants.

Stock transplanted, 10 to 12 inches tall, \$1.00 per 100; \$7.50 per 1000; small transplanted, \$2.00 per 1000; seed bed plants by 1000—Acme, Perfection, Favorite, Beauty, Stone, Dwarf Champion, Imperial, Livingston's Dwarf Stone, Earliana, Chalk's Early Jewel. Write for price list of vegetable plants.

FRANK SHEARER & SON, Binghamton, N. Y.

FORT WAYNE, IND.—Judge David Studabaker, father of Mrs. W. J. Vesey, and a prominent lawyer and banker of this state, died May 3.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

UNDOUBTEDLY the largest shipment of Scotch heather ever made to this country was received last week by the Olmsteds for planting in the Essex County (N. J.) parks. The shipment comprised 12,000 plants.

CEDAR RAPIDS, IA.—The park commission has decided on the establishment of a small nursery for shade and ornamental trees for use in beautifying the city parks, and to this end have set out 500 young sycamore trees at Ellis park.

PARK departments and garden owners throughout the eastern section of New England are engaged in a vigorous campaign for the destruction of that most destructive pest, the brown-tail moth. All hope of completely exterminating this or the gypsy moth has been abandoned.

THE railroads have given a rate of a fare and one-third for the Atlanta convention of the American Association of Nurserymen, to be held June 22-24. Ocean trips have also been arranged via New York and Charleston and New York and Savannah. For full particulars address Secretary George C. Seager, Rochester, N. Y.

IN PLANTING shrubbery for decorative effect about buildings leave an abundance of open lawn. Plant so that undesirable objects are shut out if possible and leave open views where the outlook is attractive. Avoid straight lines and harsh contrasts. Don't overlook the advantage of planting an abundance of climbers and pillar plants about porticos, balconies and similar projecting features.

EXPERIMENTS with spring and winter vetches, yellow lupine, velvet bean, rye and oats as cover crops for orchard protection and for the gathering of nitrogen have been in progress under the direction of the Maine Agricultural Experiment Station, in various parts of the state and will be continued during the coming year. Japanese plums are being studied with a view to ascertain their adaptability to northern New England conditions of soil and climate.

NEWPORT, R. I.—There are probably more California privet hedges in this place than in any other summer resort in this country, in fact almost every estate here has its privet border. It is hoped that these hedges have not suffered during the past winter. Two years ago in the very quick severe freeze that occurred many of our hedges were very much injured. A little good weather now will soon start them into growth, and it is hoped they have wintered safely. More than the usual amount of trees and shrubbery seem to be being set out this spring. This may be caused in part by the many new places that are being graded and planted at this time, and also by the continual demand here for large trees and shrubs, which makes all shipments of great bulk. Every consideration gives way to an immediate effect. The call is for large specimens of everything in nursery stock.

CERCIS CANADENSIS, the native redbud or Judas tree is being planted extensively along the fringes of woods and copses in parks and large private estates, in company with the "flowering dog wood," *Cornus florida* and the amelanchiers. *Cercis Canadensis* varies considerably in specimens from seed as to color of bloom, some being much deeper and brighter pink than others. In plantations of some extent this is an advantage, but for the customer who buys a tree or two for the garden, possible disappointment is in store should the purchase turn out to be less brilliant than that possessed by a neighbor. To avoid this it is well to mark the trees in the nursery at blooming time. A little better price can then be reasonably charged for the selected bright flowered ones. The red-flowered variety of *Cornus florida* is in great demand and is likely to be so for many years to come. It is good stock to have.



Thuya Obtusa Nana.

A Rare Japanese Specimen.

The fine specimen of *Thuja obtusa nana* shown in the accompanying illustration is said to be one of the oldest trees ever brought over from Japan. It arrived recently on the steamer *Indrapura*, and weighs packed in case over 700 pounds. It was sent to Suzuki & Iida from the Yokohama Nurseries. The tree is twelve feet in height.

Park Work at Boston.

It is a very strenuous time in the park department at present. All hands are busy planting and the season is advancing by leaps. Among the important work is the providing of a border of trees around the various new playgrounds in different sections of the city. A more trying position for a tree can hardly be conceived than within the playground confines in the densely populated districts of a great city. Mr. Pettigrew favors the ailanthus as the best tree for such work and capable of withstanding more rough usage than any other tree. Next in adaptability he names the white willow (*Salix alba* var. *cœrulea*). The white ash comes third on the list and is especially useful for seaside planting.

Mr. Pettigrew's method of planting in playgrounds is to lay off a deep rich border twelve to fifteen feet in width in which the trees are set each one protected by a guard box of a pattern similar to those used on the street trees of Washington, several strands of barbed wire being fastened about the top to discourage the climbing propensities of the youngsters. Between the border and the playground enclosure is erected a mesh wire screen about eight feet high to stop balls and other missiles and a low fence of similar material separates it from the street. The border thus enclosed is utilized for the purpose of school gardens and the repeated loosening and cultivation of the soil is very beneficial to the trees.

The tardy spring has been given a tremendous boost by a spell of torrid weather such as May rarely sees and in two or three days the aspect of country and garden has been completely transformed. In the woodlands the amelanchiers are like great clouds of snow and the undergrowth of *Viburnum lantanoides*, where such exists, has suddenly burst into sheets of satiny white but, sad to tell, the bloom of the flowering dogwood (*Cornus florida*) has been completely blasted and the glorious feature of the spring woods is lost to us this season. In the parks and gardens forsythias, spiræas, Japan quinces, plums and cherries are having their day. Although a partial failure in some localities, the forsythias in the Back Bay fens are superlatively fine. *Prunus pendula*, the beautiful weeping cherry of Japan, is occasionally seen. Blooming before the leaf buds start, it is a cloud of misty pink and wherever it is it excites enthusiastic admiration. Nurserymen make a great mistake in omitting this unrivalled gem from their popular lists.

Mr. Pettigrew is utilizing an old abandoned stone and cement-lined reservoir in the "wilderness" of Franklin park for the purpose of storage and retarding small nursery stock and prolonging the planting season. The reservoir is twelve or thirteen feet deep, the atmosphere at the bottom is cool and moist and stock heeled in there keeps splendidly.

To get the best results with hardy waterlilies the water should be drawn off every spring, and the roots divided and replanted with an abundant supply of rotten manure. Otherwise there will be a preponderance of leaves and a paucity of flowers. Complaints are heard of considerable damage to trees and shrubs by the gnawing of field mice during the winter.

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Queen of the Blues.....	50.00	36.00	24.00	14.00	Mixed				
Regulus.....	34.00	22.00	18.00	10.00	White.....	75.00			
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Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

Cartledge's Yacht Marguerite.

At the launching of the Marguerite
Stands the Admiral of the doral fleet—
But whisper soft and low float
A fish-line cork is his only float
And his botany's mixed on board a boat,
So he's off—'way off—on his sea lingo.

Now list while the Admiral gives command,
As he poses with his fist in his dexter hand:
"Braid lily bulbs to the garboard strake;
Reeve four-inch pots through the haws-bole
wake;
Bank the furnace fire in the capstan flue;
Yank the crew's nest out of the evening dew;
Splice the main brace, boys, pitch in and eat
For we're florists all on the Marguerite!"

Oh, the Admiral, he was born to command;
He can pull a cork with either hand;
On a dinner born he's great.
Sing Ho, for the larder of the Marguerite!
With the ice-box full we are sure to eat!
Heave ho! on the champagne crate.

On Wednesday, May 11, the good ship Marguerite slid gracefully into the waters of Hempstead bay under a shower of champagne foam and splintered glass from a bottle broken over the boat's bow by Miss Marguerite Cartledge, the 13-year-old daughter of A. B. Cartledge, the owner.

This latest addition to the fleet of the Florists' Yacht Club of Barnegat bay, is an able, sea-going, gasoline launch, forty-six feet in length, with a comfortable, tastefully appointed cabin furnished with berths for four and a non-capsizable ice-box. As Deacon Harris, a friend of the owner, sagely remarked: "An army divorced from its base of supplies becomes useless and, by the same line of reasoning, a boat should be anchored fast to her ice-box." This consideration was kept constantly in view by James Dean, who acted as best friend of Mr. Cartledge in overlooking the construction of the craft. Whatever else may be given up by the guests of Mr. Cartledge, when the Marguerite rocks on the heaving bosom of the mighty deep, it is safe to assume that the icebox will remain firm.

The Marguerite was designed, primarily, for comfort and meets all the requirements of an up-to-date cruising launch. On the Wednesday following the launching she was sailed over the inside course to Philadelphia and from there will be taken to Barnegat bay, where she will be anchored convenient to Admiral John Westcott's bungalow, the headquarters of the club.

The launching was witnessed by some twenty-five florists and other prominent business men of Philadelphia and a number of Mr. Cartledge's New York and Brooklyn friends. Among those present were Ed. Lonsdale, Robert Craig, John Burton, Deacon Harris and John Westcott. The visitors were personally conducted by Mr. Dean, who resides in the neighborhood and is familiar with the trail across the marshes. Not a man was lost on the trip, though Mr. Lonsdale remarked that the mosquitoes were unusually hungry for so early in the year, which remark was supplemented by a slang expression from Deacon Harris to the effect that there were others. A collation was served at the boat house which satisfied the appetite and evoked

the enthusiastic approval of Mr. Westcott, who predicted a brilliant yachting future for the skipper of the Marguerite.

Mr. Cartledge invited the party at the launching to accompany him on the cruise from Philadelphia to Barnegat bay, where the Marguerite will be formally placed in commission. Under the benign influence of the Cartledge hospitality, everybody accepted without a thought of the perils of the voyage. The fishes are hungry down that way and somebody will certainly feed them on the trip, but Deacon Harris vows he'll keep his shoes no matter what else nature may force him to let go.

At Detroit.

At a preliminary practice game of Detroit bowlers, May 18, the following scores were made:

Norman Sullivan.....	163
Dunn.....	119
Bemb.....	121
Dilger.....	120
Watson.....	146
Beard.....	135
Rackham.....	95
Pickworth.....	81
McDonald.....	65
J. F. Sullivan.....	93

J. F. S.

At St. Louis.

The florists bowled as usual Monday night. J. J. Beneke was busy getting in shape for a minstrel show in which he is to take part and had to be excused. The score:

Player.....	1st	2d	3d
Miller.....	170	176	168
Weber.....	133	138	136
Meinhardt.....	132	131	138
Lothenz.....	114	137	149
Weber, Jr.....	94	128	
Kuehn.....	179	174	149
Ellis.....	172	165	116
R. Beneke.....	165	163	169
Gerlack.....	105	123	119

J. W. D.

At Chicago.

Tuesday evening at Mussey's alleys the first round of the spring handicap tournament of the Florists' Club bowling team was rolled. The series will consist of thirty games, five to be played every Tuesday evening until the tourney is completed. The players qualifying will

play in a subsequent tournament which will decide the S. A. F. match team. For a player to qualify it will be necessary for him to roll twenty of the thirty games, so that there yet remains ample time for anyone to enter the contest. An equitable system of handicapping gives every competitor a chance to go after the prizes which will be awarded for the best records. The following are the scores of the first five games; they give Stollery a lead, with a total of 884 pins:

PLAYER.....	1st	2d	3rd	4th	5th
Asmus.....	145	170	168	202	153
Balluff.....	165	182	196	142	155
Hanswirth.....	140	118	152	140	168
Scott.....	136	158	153	139	154
Stollery.....	179	195	137	208	165
Stevens.....	134	197	186	133	148
Benesb.....	82	120	133	100	98

Forcing Kept Over Azaleas for Christmas.

ED. AM. FLORIST:—Would it not be advisable to force kept over azaleas for next Christmas, as we find these plants have a tendency to flower sooner than the freshly imported plants. Y.

Azaleas kept over and grown in this country during the following summer will set bud earlier and be much more prolific than the fresh imported stock seems to do in Belgium, and it would be reasonable to suppose that they would force into bloom more readily and better for Christmas than new imported stock, but my experience with azaleas has taught me that this is not a fact. Excepting Deutsche Perle, a double white variety, I have found that newly imported plants will force into bloom for Christmas much easier and better, with larger flowers and finer color, than those grown one or more years in this country.

WM. K. HARRIS.

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HEADQUARTERS FOR CARNATIONS AND CHOICE ROSES OF ALL VARIETIES.

BEAUTIES.	Per doz.
Long stem.....	\$4.00
30-inch stem.....	3.00
24-inch stem.....	2.00
15 to 18-inch.....	1.50
Short stems.....	75c to 1.00
Bride.....	\$3.00 to \$6.00 per 100
Maids.....	3.00 to 6.00 per 100
Meteors.....	3.00 to 6.00 per 100
Golden Gate... 	3.00 to 6.00 per 100

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medium.....	4.00 to 6.00
Ivory.....	4.00 to 8.00
Perle.....	3.00 to 6.00
CARNATIONS.....	2.00 to 3.00



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THE GREAT FLORAL DAY OF THE YEAR.



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Seasonable Stock! Order Now!

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" PLUMOSUS, 2 1/4-inch.....	4.00
" " 3-inch.....	7.00
" " 4-inch.....	15.00
" " 5-inch.....	25.00
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AGERATUM, Stella Gurney, Princess Pauline, Louis Bannet.....	2.00
ALYSSUM, Double Giant.....	2.00
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AMPELOPSIS VEITCHI, 2 to 3-feet, bushy.....	14.00
" " 3 to 4-feet, heavy.....	16.00
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BEGONIA VERNON, 2 1/4-inch.....	3.00
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CYPERUS ALTERNIFOLIUS.....	2.50
CARNATION, Indianapolis, 2-inch.....	8.00
" Mrs. Patten, 2-inch.....	10.00
" The Belle, 2-inch.....	8.00
CHRYSANTHEMUMS, best standard sorts.....	2.50
" Wm. Duckham.....	doz., \$7.50
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" Golden Chain.....	10.00
CYCAS STEMS.....	per 100 lbs., \$8.00
CLEMATIS PANICULATA, 4-year old.....	15.00
DAHLIAS, Kriemhilde and Brunhilde, 2-inch.....	15.00
" Named sorts, standard kinds, 2-inch.....	4.00
DRACAENA BRUANTI 5-inch pots, 24-inch high.....	doz., \$5.00
FUCHSIAS, named kinds, 2-inch, strong.....	2.00
FERNS, assorted for fern dishes, 2-inch.....	3.50
" BOSTON, 2 1/4-inch, very strong.....	5.00
" " 3-inch, very strong.....	10.00
" " 4-inch, very strong.....	20.00
" ADIANTUM FARLEYENSE, 2 1/4-inch.....	8.00
" " 3-inch.....	12.00
" " 4-inch.....	25.00
" " CHARLOTTE, 4-inch.....	15.00
" " CUNEATUM, 3-inch.....	6.00
" " 4-inch.....	15.00
" " 5-inch.....	25.00
" PIERSONI, 5-inch from stock.....	doz., \$6.00
" " 7-inch from stock.....	doz., 12.00
" " 8-inch from stock.....	doz., 18.00

	Per 100
GERANIUMS, A. B. Trego, E. E. Rexford, Beaute Poitevine, Mary Hill, A. Riccard, Le Colosse, J. J. Harrison, Pasteur, Queen of the West, Little Pink, Mrs. Hill, Double New Life, Jean Viaud, Mrs. A. Blanc, Mme. de la Roux.....	3.00
GERANIUMS, Mt. Snow; Mrs. Parker.....	4.00
" Mrs. Pallock.....	5.00
" Wm. Languth.....	8.00
" Ivy, assorted.....	4.00
GREVILLEA ROBUSTA, 2 1/4-inch.....	3.00
HIBISCUS, named sorts.....	2.50
JAPAN IRIS, Imported clumps, 25 kinds.....	15.00
HYORANGEA OTAKSA, Thos. Hagg and Red Stemmed.....	4.00
" PANICULATA GRANDIFLORA, 3-feet.....	12.00
" " 18-inch.....	8.00
LAVENDER, Sweet, 2-inch.....	3.00
LANTANA, Weeping.....	2.50
LEMNON VERBENAS, 4-inch.....	8.00
MARGUERITES, California White.....	2.50
" Etoile d'Or.....	2.50
PELARGONIUMS, best named sorts, 2 1/4-inch.....	5.00
" best named sorts, 4-inch.....	12.50
PENNISETUM LONGISTYLUM, 2 1/4-inch.....	4.00
PHYLLOCTACTUS DEUTSCHE KAISERIN, 3-inch.....	15.00
PHLOX, Hardy, best named kinds, 2-inch.....	4.00
" Hardy, best named kinds, 1-year field roots.....	10.00
PRIMULA OBCONICA, 3-inch.....	4.00
" 4-inch.....	6.00
PANDANUS UTILIS, 5-inch.....	doz., \$4.00
SAGE, Halt's Mammoth.....	2.50
SALVIA AUDEBON, New Golden Leaf.....	4.00
VINCA VARIEGATA, 2-inch.....	2.50
" 4-inch.....	10.00
ROSES, Clothilde Soupert, 2-inch.....	3.00
" " 3-inch.....	6.00
" " 4-inch.....	10.00
" Mad. Petite Andre, 3-inch.....	7.00
" Souv. Pierre Notting, 4-inch.....	10.00
" Evergreen Gem, Triumph, 2-inch.....	2.50
" Universal Favorite and South Orange Perfection, 2-inch.....	2.50
" Ivory, 2-inch.....	\$3.00; 4-inch.....
" Bedding, assorted, 2 1/4-inch.....	3.50
H. P. ROSES, La France, 2-year dormant.....	11.00
" Magna Charta, Ulrich Brunner.....	11.00
" American Beauty.....	11.00

VAUGHAN'S SEED STORE, Chicago. Greenhouses and Nurseries, Western Springs, Ill.

DECORATION DAY

Is one of the "HARVEST DAYS" for the Florist. Prepare to "reap your share" by arranging now for a good supply of Cut Flowers, Potted Plants, and all requisites. ❀ ❀ ❀ ❀

**WE RECEIVE
THE DAILY
CUT FROM
OVER FORTY
GROWERS!**

And it will be worth your while to place orders with us at once. Our shippers say we can look for a plentiful supply in **GOOD QUALITY**

**Roses, Carnations, Peonies,
Cape Jasmines, Sweet Peas,
Smilax, Adiantum, Asparagus**

AND ALL "GREENS"

DECORATION DAY PRICES

CUT FLOWERS—TAKING EFFECT THURSDAY, MAY 26, 1904.

ROSES—American Beauty—		Per doz.
Select	\$3.50 to \$4.00	
Medium	1.50 to 2.50	
Short .....	.75 to 1.00	
		Per 100
Meteor, Liberty, Gate	\$1.00 to \$10.00	
Bride, Bridesmaid, Kaiserin ...	4.00 to 6.00	
Perle	3.00 to 6.00	
Good Seconds	4.00	
Our Selection, assorted	3.00 to 4.00	
CARNATIONS—Extra Select....		3.00 to 4.00
Good quality	1.50 to 2.00	
Our Selection, assorted	1.50	

Our supply of Carnations consists of all the new and standard varieties, also novelties.

MISCELLANEOUS.

CAPE JASMINES, In large quantities per hundred, **\$1.00 to \$1.50**

PEONIES, Red, Pink; per doz., 50c to 75c; per 100, \$3.00 to \$6.00.

WHITE PEONIES, per doz., \$1.00.

VALLEY—Extra Select—		Per 100
Indoor	\$4.00	
Outdoor	2.00 to \$ 3.00	
MIGNONETTE	1.00 to 2.00	
MARQUETTES .....	.75 to 1.00	
FORCET-ME-NOTS .....	.75 to 1.00	
PANSIES .....	.50 to .75	
TULIPS	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	
CLADIOLI, White, per doz., \$1.50 to \$10.00		
Mixed colors	1.50 to 10.00	

DECORATIVE STOCK.

FERNS—Adiantum.....		Per 100
Common Fancy, scarce, subject to advance, per 1000, \$3.00 to \$4.00		.30
IVY LEAVES		per 1000, \$5.00 .60
CALAX LEAVES—		
Green	per 1000, \$1.00	.15
Bronze	" " " " " "	1.00 .15
LEUCOTHOE SPRAYS....		7.50 1.00
SMILAX—		Per doz.
Select	\$1.50 to \$2.50	
ASPARAGUS PLUMOSUS—		
Select strings, each, 50c to 75c, 6.00 to 8.00		
Sprays	hunch, 50c,	
Sprengeri .....	.25 to .50	
SABAL PALM LEAVES—		Per 100
Artificial	\$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 and fair treatment to all.

No order too large, none too small.

Extra select and inferior grades billed according to value.

Prices quoted are subject to change without notice.

FLOWERING PLANTS.

50,000 Ceraniums, Guaranteed Strictly First-Class.

CERANIUMS—In bloom, according to variety, \$3.00 to \$10.00 per 100, from 4-inch pots; S. A. Nutt, Heteranth*, La Favorite, and Mme Sallerol, 3-inch, \$5.00, 2-in. \$2.50

CERANIUMS (Continued) Charlotte, Centaur, Dryden, William E. Gull, Mme. Jaulin, 3-inch, per 100, \$6.00; 2-inch, \$3.00. Ivy-leaved, mixed, 3-inch, per 100, \$8.00, 2-inch, \$1.00. E. H. Trego, Little Pink, Black Douglas, Mrs. Pollock, Apple Scented, 3-inch, per 100, \$10.00; 2-inch, \$5.00.

ACAVE—10 years, 8-inch pots, \$3.00 each.

CANNAS—Strong-rooted plants, 3-inch, per 100, \$6.00; A. Bouvier, 6 ft., Chas. Henderson, 4 ft., Egandale, 4 ft., Florence Vaughan, 5 ft., Mme. Crozy, 4 ft., Queen Charlotte, 3½ ft., Souv. de A. Crozy, 4 ft., Alsace, 3 ft., Alemanna, Burbank, 5 ft. Egandale, extra strong, 3½-inch pots, per 100, \$7.00.

ASTERS, COBAEA, NASTURTIUMS, PANSIES, and 50 other varieties of spring blooming plants.

SEND FOR COMPLETE LIST.

A Full Line of **BASKETS, RIBBONS, Etc.** for School Closings. Catalogue Free.

WE HAVE SOME REAL BARGAINS IN PALMS. Price List on Application.

E. F. WINTERSON.

JOHN P. DEGNAN.

L. H. WINTERSON.

E. F. WINTERSON CO.

SUCCESSORS TO **McKellar & Winterson.**

45-47-49 Wabash Avenue, CHICAGO.

A.L. Randall Co.

19 to 21 Randolph St.

CHICAGO.

OUR CROP OF AMERICAN BEAUTY
AND LIBERTY WILL BE IN FOR
DECORATION DAY.

Decoration Day Prices.

	Per 100
Am. Beauty, extra long.....	\$30.00
" 30-36 inch.....	25.00
" 24 inch.....	20.00
" 18-20 inch.....	15.00
" short.....	\$6@ 8.00
Liberty, long, select.....	10.00
" good.....	6.00
" short.....	3.00
Bride, Maid, long, extra select.....	6.00
" " good selected.....	5.00
" " medium.....	4.00
" " short.....	3.00
Roses, short, our selection, per 1000, \$25.	
Carnations, fancy stock.....	\$3.00@ 4.00
" good stock.....	3.00
" ordinary.....	2.00
" 1,000 lots, common, our selection.....	per 1000, \$15.
Callas and Harrisii.....	10.00
Valley.....	3.00
Galax.....	per 1000, \$1.
Adiantum.....	1.00
Smilax.....	20.00
Asparagus Sprengeri.....	3.00
" plumosus, sprays.....	3.00
" strings.....	40.00
Ferns, fancy.....	per 1000, \$3.
Tulips.....	3.00
Sweet Peas.....	.75
Cape Jessamine.....	2.00
Peony, pink.....	6.00
" white.....	8.00
Daisies.....	1.00
Pansies.....	.80

Fine Rose Plants

BRIDE and BRIDESMAID

3½-in. pots, ready to plant.
Must be sold at once.

The Cleveland Cut Flower Co.

Per hundred, \$4.50
Per thousand, \$40.00

52 & 54 High St. CLEVELAND, O.

CASH WITH ORDER.

Rose Plants.

Strong Stock from 2½-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00
MME. CHATENAY.....	6.00	50.00
SUNRISE.....	5.00	40.00
KAISERIN.....	3.00	25.00
LIBERTY.....	5.00	40.00
MAID.....	3.00	25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00

Rose Bushes.

2-year Old Plants from Benches.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00
LIBERTY.....	6.00	50.00
BRIDESMAID.....	3.00	25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
IVORY.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO.

THE GRAND NEW ROSE

La Detroit

Now in 3-inch pots, \$25.00 per 100; \$200.00 per 1000.

Surplus Stock.

1,000 Grafted Bridesmaids \$12.00 per 100
500 Grafted Mme. Cusin... 12.00 per 100

Own Root.

1,000 Perles, 3-inch..... \$8.00 per 100
500 Mme. Cusin, 3-inch..... 8.00 per 100
1,000 Bon Silene, 2½-inch... 6.00 per 100

John Breitmeyer's Sons,

Gratiot and Miami Aves., DETROIT, MICH.

METEOR ROSE PLANTS 2 1-2-INCH POTS.

An elegant stock of METEOR plants; clean, healthy and strictly first-class. This is a choice lot and I am offering them at \$20.00 per 1000.

J. A. BUDLONG, 37 Randolph St., CHICAGO.

OUR DIRECTORY FOR 1904 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

DECORATION DAY FLOWERS

BASSETT & WASHBURN'S PRICE LIST:

BEAUTIES—Extra long stems..... per doz., \$3.00
 Medium long stems..... per doz., \$1.00 to 2.00
 Short stems..... per doz., .50
BRIDES, KAISERIN and MAIDS..... per 100 4.00 to 8.00
LIBERTY, CARNOT and CHATENAY..... per 100 4.00 to 12 00

MIXED ROSES—Our Selection..... per 100, \$1.00
CARNATIONS—Extra Fancy..... per 100, 5 00
 White and Lawson..... per 100, 4.00
 Good Average Colored..... per 100, 3.00

These prices vary, according to length of stems, from short to extra select long.

CAPE JASMINES { Per } - \$1.00 to \$1.50
 { 100 }
EASTER LILIES { Per } very fine, 6.00
 { 100 }
GREENS, { NEW COMMON FERNS..... per 100, \$2.00
 { NEW COMMON FERNS, extra long..... per 10.0, 2.50

SMILAX, fine strings, { Per } - - - \$1.50
 { doz. }
ASPARAGUS, Per String, - - - .50
ASPARAGUS SPRAYS { Per } \$2.00 to 3.00
 { 100 }

SEE THIS LIST OF PLANT BARGAINS.

CARNATION PLANTS.

READY FOR FIELD PLANTING.

—THESE PLANTS ARE NOW ALL IN SOIL AND ARE EXTRA LARGE PLANTS, READY FOR FIELD PLANTING.—

	Per 100	Per 1000
12,000 Gov. Wolcott, - - -	\$3.50	\$30.00
3,000 Lillian Pond, - - -	3.50	30.00
5,000 Prosperity, - - -	2.50	20.00

	Per 100	Per 1000
1,000 Lorna, - - - - -	\$2.50	\$20.00
1,200 Gold Nugget, - - -	2.50	20.00
2,000 Maceo, - - - - -	2.50	20.00

GRAFTED ROSES READY NOW.

We have grafted 100,000 Rose Plants on Manetti, all from choice flowering wood. This is the best stock we are able to produce and sure to give satisfaction. If your rose stock is running down give grafted plants a trial. Ready for immediate shipment.

Bridesmaids - \$12.00 per 100 **Liberties - \$15.00 per 100**
Chatenay Rose Plants, 2½-inch, \$6.00 per 100; \$50.00 per 1000

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROS., New Castle, Ind.
 South Park Floral Company.

Please mention the American Florist when writing.

American Beauties.

Plants from 2½-in. pots, clean and healthy, \$5 per 100; \$45 per 1000.

JOHN MUNO, Rogers Park, Chicago, Ill.

Please mention the American Florist when writing.

American Beauty Roses

Finest plants we have ever offered, in 2½-inch and 3-inch pots. Write

GEO. A. KUHL, PEKIN, ILL.

Please mention the American Florist when writing.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, METEOR, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

Please mention the American Florist when writing.

AMERICAN BEAUTY ROSES.

Own root, strong plants from 2½-inch pots, now ready.
 \$6.00 per 100; \$50.00 per 1000.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Please mention the American Florist when writing.

American Beauties

Yes, we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a

lot of cull stock we wish to dump. But we have a clean healthy lot of plants which we are offering at very low prices. We intend to establish a reputation on our goods and want your order. The goods are right—but if you don't think so, return them and you can have your money back. Send a dollar for samples if you are dubious. 3-inch, \$6.00 per 100; \$55.00 per 1000. 4-inch, \$8.00 per 100; \$75.00 per 1000.

GRAND RAPIDS VIOLET CO.
163 Madison Ave., GRAND RAPIDS, MICH.

Roses. We grow over 100,000 annually for the trade of the following varieties:

No.	Variety.	R. C.	2x2 1/4	2 1/2 x 3	3x3
1	Meteor	\$1.50	\$2.50	\$3.50	\$5.00
2	Brides	1.50	2.50	3.50	5.00
3	Maid	1.50	2.50	3.50	5.00
4	Ivory	1.50	2.50	3.50	5.00
5	Golden Gate	1.50	2.50	3.50	5.00
6	Perle	2.00	3.00	4.00	6.00
7	LaFrance	2.00	3.00	4.00	6.00
8	Kaiserin	2.00	3.00	4.00	6.00
9	Woottons	2.00	3.00	4.00	6.00
10	Bell Siebrecht	2.00	3.00	4.00	6.00
11	President Carnot	2.00	3.00	4.00	6.00
12	American Beauties	3.00	6.00	8.00	10.00
13	Liberty	5.00	8.00	10.00	.....

MISCELLANEOUS STOCK. Geraniums, in red, white, pink, salmon, Mme. Salleron, rose. Alternantheras, red and yellow. Cannas, Coleus, Fuchsias, Begonias, Flowering and Rex, Sweet Allysum, Feverfew, Cuphea, Lautanas, Cobeia Scandens, Ageratums, Pansies, Verbenas, Salvias, Vincas, Lilies nearly all summer and Small Ferns for Fern Dishes. **GEO. A. KUHL, Pakin, Ill.**

Please mention the American Florist when writing.

Grafted Roses

LIBERTY, BRIDESMAID, BRIDE and GOLDEN GATE.
BEAUTIES ON OWN ROOTS.

Only the best English Manetti used, and plants are strong and vigorous, with abundant roots. Ready now to ship or repot into 3 1/2-inch pots.

ROBERT SIMPSON,
CLIFTON, N. J.

ROSES FOR FORCING Nice healthy stock, selected from well-grown plants. Sure to give good results.

	2 1/2-in. per 100.	3-in. per 100.
American Beauty	\$5.00	\$8.00
Perle	3.00	6.00
Meteor		6.00
Bridesmaid, extra fine	3.00	
Bride	3.00	5.00
Golden Gate	3.00	5.00
Ivory	3.00	5.00

Special price on thousands.

BOSTON FERNS. 2 1/2-in. \$3.50 per 100, 3-in. \$8, 5-in. \$25 and 6-in. \$40. Also some fine specimens in pans. **VINCA VAR.,** 2 1/2-inch pots, \$3.00 per 100.

Note the low prices on the smaller sizes.
W. H. CULLETT & SONS, Lincoln, Ill.

American Beauty 3-inch, \$6 per 100

BRIDE and BRIDESMAID, 3-inch, \$4.00 per 100.
GOLDEN GATE, 2 1/2 x 2 1/2-inch, \$2.00 per 100.

ASTERS—Hohenzollern, Giant Comet, Carlson, Japanese, from flats, 75c per 100; \$6.00 per 100.
COBEA VINES, 5-inch, \$2.00 per doz.

RHOTEN BROS. CO., Box 5, Danville, Ill.

Rose Plants

BRIDE and BRIDESMAID, from 2 1/2-inch pots, \$3.50 per 100; \$30.00 per 1000; from carefully selected wood—worth the price.

L. B. CODDINGTON, Murray Hill, N. J.

ROSES FOR SUMMER BLOOMING.

Kaiserin and LaFrance, \$3 per 100; \$25 per 1000.
VIOLET STOCK, in pots or R. C. Write for prices.
CARNATIONS, from soil, Lawson and Crane, \$2.50 per 100; \$20 per 1000. These are extra quality stock. Harlowarden, \$3 per 100. M. Glory and Norway, \$2 per 100; \$15 per 1000. Flora Hill and White Cloud, \$1.50 per 100; \$12.50 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.

Please mention the American Florist when writing

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST CROWN.

LIBERTY, 3 1/2-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN GATE, 3 1/2-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID	\$3.00	\$25.00
BRIDE	3.00	25.00
GOLDEN GATE	3.00	25.00
IVORY	3.00	25.00
LIBERTY	5.00	45.00
AMERICAN BEAUTY	5.00	45.00

In 3-inch Pots.

	Per 100	1000
BRIDESMAID	\$4.00	\$35.00
BRIDE	4.00	35.00
PERLE	4.00	35.00

ROOTED CARNATION CUTTINGS.

	Per 100	1000
LAWSON	\$2.00	\$15.00
PROSPERITY	2.00	15.00
GUARDIAN ANGEL	1.50	12.50
JOOST	1.50	12.50
FLORA HILL	1.50	12.50
WHITE CLOUD	1.50	12.50
QUEEN LOUISE	1.50	12.50

GEO. REINBERG.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

STRONG, CLEAN AND HEALTHY CARNATIONS.

FROM 2 1-4-INCH POTS.

	Per 100	1000	White.	Per 100	1000
Pink			Flora Hill	\$2.00	\$20.00
Joost	\$2.00	\$20.00	Glacier	2.50	25.00
Marquis	2.00	20.00	Scarlet.		
Scarlet.			Variegated.		
Crane	2.50	25.00	Prosperity	2.00	20.00

PETUNIAS, "Those Double Fringed Ones" Sell at sight. Six distinct varieties, labeled. Strong plants in bud from 2 1/2-inch pots, \$2.00 per 100; \$18.00 per 1000.

GERANIUMS, Jean Viaud, Mrs. E. G. Hill, strong, 2 1/2-in., \$2.00 per 100. —CASH.

The W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

Please mention the American Florist when writing.

50,000 CARNATIONS

From flats outside and well HARDENED, fit to plant: Louise, Bill, Joost, Crocker, Marquis, Eldorado and Crane, in equal proportion, \$15.00 per 1000; \$2.00 per 100.

Clematis Jackmani, 2 year, field vines, fine, \$2.50 doz. **Clematis paniculata** and **Wistaria magnifica,** blue, 75c doz. **Ampelopsis Veitchi,** 2 year field grown, \$6.00 per 100, dormant, pot grown, long tops, \$4.00 per 100. **Vinca major var.** 4-in. 8c; 3-in. 5c. **Paonia Roots,** double white and double rose, \$1.25 doz.; singles, 50c doz. **Hydrangea Olaksa,** 4-in. 75c doz. **Paniculata grandiflora** and **Viburnum plicatum,** 3 year old bushes, fine, \$1.50 doz. Convention Hall and 8 other leaders in 'Mums. Send for list. Cannas, Bedding Stock, etc. Cash.

BENJ. CONNELL, West Grove, Pa.

Rose Plants. Extra Choice.

Guaranteed strong, healthy stock.

	Per 100	1000
In 3-inch pots.		
Golden Gate	\$4.50	\$35.00
Bride	5.00	40.00
Bridesmaid	5.00	40.00
Mme. Chateau	6.00	55.00

—Above prices cash with order.—

JOHN BROD, Nilas Center, I

WIETOR BROS.

51 Wabash Ave., CHICAGO.

LARGE SUPPLIES OF
LONG BEAUTIES, ROSES and CARNATIONS

FOR DECORATION DAY!!

STOCK OF GOOD QUALITY AND PROMPT AND CAREFUL ATTENTION GUARANTEED.
SEND US YOUR ORDER.

PRICE LIST SUBJECT TO CHANGE, WITHOUT NOTICE.....

ROSES.

BEAUTIES—		LIBERTY	\$6.00 to 10.00	per 100
36-inch and upward.....	\$3 00 to \$4.00 per doz.	KAISERIN	4 00 to 8.00	"
24 to 30-inch.....	2.50 to 3 00 "	IVORY	3 00 to 6.00	"
20 inch.....	2.00 "	BRIDE	3 00 to 6.00	"
15-inch.....	1.50 "	BRIDESMAID	3.00 to 6.00	"
12-inch.....	1.00 "	METEOR	3.00 to 7.00	"
Short stems.....	.50 to .75 "	GOLDEN GATE	3.00 to 6.00	"
LA FRANCE	5.00 to 8 00 per 100	PERLE	3.00 to 6.00	"

CARNATIONS.

STANDARD SORTS.....\$2.00 per 100 | SPECIAL FANCY SORTS.....\$3.00 to \$4.00 per 100

PEONIES.....75c to \$1.00 per doz. | CAPE JASMINES.....\$2.00 to \$3.00 per 100

C. W. McKellar

51 Wabash Ave., CHICAGO.

Sixteen years' experience on the Chicago market in handling
Cut Flowers of all kinds. A LARGER VARIETY NOW
THAN EVER. TRY ME. L. D. PHONE, CENTRAL 3598.



ORCHIDS

Per doz.
Cattleyas.....\$6.00
Dendrobiums.....\$2.00 to 4.00
Per box
Assorted Orchids, \$5.00 to \$25.00

DECORATION DAY Flowers and Greens Of Every Description.

DECORATION DAY PRICE LIST.

BEAUTIES, extra fancy	Per doz. \$4.00 to \$5.00	CARNATIONS, medium	Per 100 \$1.50 to \$2.00	BULBOUS.	Per 100	
30 to 36-inch.....	3.00 to 3.50	Fancy.....	2.50	Tulips, out-door stock.....	\$2.00 to \$3.00	
24 to 30-inch.....	2.00 to 2.50	Extra fancy.....	3.00 to 4.00	Jonquils.....	2.00 to 3.00	
15 to 20-inch.....	1.00 to 1.50	Write or wire me for special quotations on thousand and larger lots.			Callas.....	10.00 to 12.00
3 to 12-inch.....	.75 to 1.00	MISCELLANEOUS.	Per 100	Harrisii.....	10 50 to 12.00	
Short.....	\$4.00 to \$5.00	Alyssum.....	\$.25	I will have considerable miscellaneous stock not listed, and if you can use assorted flowers can give you good variety of stock where selection is left with me.		
ROSES (Teas), Brides, select	4.00 to 6.00	Mignonette.....	\$4.00 to 5.00	GREENS.		
Brides, medium.....	3.00 to 4.00	Violets, single, out-door.....	.50	Smilax, strings.....	per doz., \$2.00 to \$3.00	
Maids, select.....	4.00 to 6.00	Marguerites.....	.50 to 1.00	Asparagus, strings.....	each, .40 to .50	
Maids, medium.....	3.00 to 4.00	Sweet Peas, white.....	.75 to 1.00	Asparagus, bunches.....	.25 to .50	
Liberty, Chatenay.....	7.00 to 10.00	Sweet Peas, pink.....	.50 to .75	Sprengeri, ".....	.25 to .50	
Liberty, Chatenay, medium.....	4.00 to 6.00	Peonies, white.....	\$1.00 per doz.	Adiantum.....	per 100, .50 to 1.00	
Perles.....	4.00 to 6.00	Pennies, red and pink.....	\$.75 to 1.00	Ferns, common.....	per 1000, 2.00 to 3.00	
Golden Gates, Ivory.....	4.00 to 6.00	Lilacs.....	2.00 to 4 00 "	Galax, green.....	" 1.25	
Golden Gates, medium.....	3.00 to 4.00	BULBOUS.	Per 100	Galax, bronze.....	" 1.50	
Meteors.....	5.00 to 10.00	Valley, fine.....	\$3.00 to \$4.00	Leucothoe Sprays.....	" 10.00	
Roses, my selection.....	4.00	Valley, out-door.....	1.00 to 2 00	Ivy Leaves.....	per 100, .50	
		Narissus, Poets.....	1.00 to 2 00			

Remember I carry a complete line of all Florists' Supplies, Ribbons, Doves, Wheat Sheaves, Moss, Foil, Picks, Cycas Wreaths, Cycas Leaves, and in fact everything used by the florist. Send me a list of your wants. I can interest you on prices and quality of goods.
Cape Jessamine Grandiflora, fine, \$1.00 to \$1.50 per 100. Prices subject to change without notice. P. & D. at cost. Your early order solicited.

British Trade Topics.

The agreeable weather associated with the close of April and the opening of May has given an impetus to trade generally. The seedsmen have been unusually busy, whilst the demand for bedding and window-box plants has made increased calls on the output of the nurseries. One of the finest shows ever held in connection with the Royal Horticultural Society took place this week and attracted a crowded audience. The trade exhibits, representing all branches, were particularly good. The new American rambling rose, Dorothy Perkins, was much in evidence and has evidently "caught on" amongst the trade. This is a cross between the Wichuraiana type and Mme. Gabriel Luizet. The delicate shell-pink tinted blooms grow hardy in large clusters. It has been awarded a certificate of merit by the Royal Horticultural Society, besides having been successfully exhibited at the chief provincial shows by Messrs. Hobbies, L't'd., of the Norfolk Nurseries, Dereham. Amongst the novelties was a splendid display of Sander's new Nicotiana Sandera with its attractive carmine red flowers. Daffodils were also a special feature in which Barr & Sons, of King street, Covent Garden, excel. Their nursery at Thames Ditton has lately been a brilliant sight with its lavish display of bloom. Here are to be seen daffodils at their best varied by irises, anemones, tulips, muscaris, etc. In this branch of floriculture R. H. Bath, L't'd., of Wisbech, Cambridgeshire, was also to the front. This firm cultivates ninety acres of flowers on its Cambridgeshire farm, fifty acres being set apart for narcissi and tulips. Of the latter they are cultivating this year 600,000, and in this branch the firm claims to be able to beat the Dutch growers, the tints being more brilliant. Amongst the new varieties being introduced are Brunhilde, creamy-white flamed with yellow; Dusant, deep crimson scarlet; Maas, an early scarlet, and Pink Beauty, delicate pink shaded white. Peonies are also a leading line. Big supplies of plants have lately been sent by the firm to Chicago and Massachusetts, and last October a supply was dispatched to Russia. The chief varieties cultivated are La Fiancee, Duchesse de Thora, Candidissima, Canarie, white; Madame de Galhan, pink; Philomele, rose; Lady Leonora Bramwell, rose; Mons. Chas. Levegne, blush; L'Elegante, pink; and Volcaise, crimson. Twenty thousand tree carnations are also cultivated, these being chiefly Mrs. T. W. Lawson, Flamingo, Enchantress and Albatross. Carnations are becoming increasingly popular on this side. Messrs. Bath have never had a better season for them than this year. Already this season they have disposed of about 120,000 plants of border carnations.

A few days ago I had an opportunity of inspecting the Kew Nursery, Richmond, near London, in the occupation of K. Drost. His chief specialty is the culture of forced lilac (syringa) of which he has about eight acres in the open. Mr. Drost usually starts forcing in October and keeps on until May. Owing to the unfavorable season he has had to leave off earlier this year. He has ample accommodations for forcing large quantities of the bloom, for which there is a good demand in the high-class shops at the west end of London and at his stands in Covent Garden market. The varieties chiefly grown are Rubra de Marley, Charles X. and Marie Legrange.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

WHITE.	Cuttings per 100	Cuttings per 1000	2-in. pot pits 100	YELLOW.	Cuttings per 100	Cuttings per 1000	2-in. pot pits 100
Timothy Eaton.....	\$2.00	\$15.00	\$3.00	Col. Appleton.....	1.50	12.50	2.00
Chadwick.....	2.00	15.00	3.00	Major Bonnaffon.....	1.50	12.50	2.00
White Bonnaffon.....	1.50	12.50	2.00	Yellow Mayflower.....	1.50		2.00
Wanamaker.....	1.50	12.50	2.00	Omega.....	1.50		2.00
Geo. S. Kalb.....	1.50	12.50	2.00	PINK.			
Estelle.....	1.50	12.50	2.00	Wm. Duckham.....	25.00		
Robinson.....	1.50	12.50	2.00	Mrs. Murdoch.....	1.50	12.50	2.00
Ivory.....	1.50	12.50	2.00	Vivand-Morel.....	1.50	12.50	2.00
Merry Xmas.....	1.50	12.50	2.00	Mme. Perrin.....	1.50	12.50	2.00
Polly Rogers.....	1.50		2.00	Pacific.....	1.50	12.50	2.00
White Mayflower.....	1.50		2.00	M. Newell.....	1.50		
YELLOW				Richardson.....	1.50		
Golden Wedding.....	1.50	12.50	2.00	Lavender Queen.....	1.50		
Golden Beauty.....	1.50	12.50	2.00	J. K. Shaw.....	1.50		
October Sunshine.....	1.50	12.50	2.00	RED.			
				Oakland.....	1.50		2.00

ROSE PLANTS.

In 2½-inch pots.	Per 100	1000	In 2½-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

CARNATIONS.

2½-inch Gov. Wolcott, Lillian Pond, Apollo, Harlowarden, \$4.00 per 100. 2½-inch Prosperity, Lorna, Palmer, Lawson, Mary Wood, Roosevelt, \$3.00 per 100. F. Hill, Joost, \$2.50 per 100.

ROSES 2½-inch Bridesmaid, Bride, Gate, \$30.00 per 1000; \$3.50 per 100. 2½-inch Chateaufort, \$50.00 per 1000; \$5.00 per 100. Cut back 2-year-old Beauties, Maids, Brides and Gates, prices on application.

CHRYSANTHEMUMS.

WHITE	Cuttings 2½-in. pot per 100	per 1000	YELLOW	Cuttings 2½-in. pot per 100	per 1000
Willowbrook.....	\$1.50	\$2.50	Golden Wedding.....	2.00	3.00
Estelle.....	1.50	2.50	Gold Mine.....	2.50	3.50
Geo. S. Kalb.....	1.50	2.50	Monrovia.....	2.00	3.00
Timothy Eaton.....	2.00	3.00	Nagoya.....	2.00	3.00
Merry Christmas.....	1.50	2.50	Chautauqua Gold.....	2.00	3.50
Wanamaker.....	1.50	2.50	Robert Halliday.....	1.50	2.50
Robinson.....	1.50	2.50	Eclipse.....	2.50	4.00
Chadwick.....	2.50	4.00	PINK		
Fitzwygram.....	2.00	3.50	Murdoch, Perrin, Morel, Pacific	1.50	2.50
White Bonnaffon.....	2.00	3.00	Coombs, Shaw, Quito.....	2.00	3.00
Crawford.....	2.00	3.00	Richardson, Liger, Heno, Maud		
Ivory.....	1.50	2.50	Dean.....	1.50	2.50
Jones.....	1.50	2.50	Duckham, Sensational Pink.....	25.00	30.00
YELLOW			RED		
Bonnaffon.....	1.50	2.50	Childs, Intensity, Schrimpton..	2.00	3.00
Appleton.....	1.50	2.50	BRONZE		
E. D. Smith.....	1.50	2.50	Lady Hanham.....	2.00	3.00
Omega.....	1.50	2.50	Percy Plumeridge.....	6.00	8.00
Whildin.....	1.50	2.50	Mounier.....	1.50	2.50
Parr.....	1.50	2.50	C. J. Salter.....	6.00	8.00
Sunshine.....	1.50	2.50	T. W. Pickett.....	6.00	8.00
Yellow Jones.....	2.00	3.00	Lord Hopetoun.....	10.00	12.00
Yellow Eaton.....	2.50	4.00			
Pennsylvania.....	2.00	3.00			

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POEHLMANN BROS., Morton Grove, Cook County, Ill.

CARNATIONS.

Well established strong plants from soil: 500 Joost, 500 Scott, 100 Ethel Crocker, 500 Flora Hill, 500 Mrs. Fisher, 500 Queen Louise, 200 Harlowarden. \$2.00 per 100; \$15.00 per 1000.

CHRYSANTHEMUMS. Plants from soil, all the best standard varieties at \$1.50 per 100.

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Sundays and holidays,
All over the country,
At home and abroad.

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DECORATION DAY

A FINE LOT OF

BRIDES, BRIDESMAIDS, BEAUTIES AND METEORS

ALL CLEAN STOCK OF GOOD COLOR AND FREE FROM MILDEW.

Also **CARNATIONS** in Leading Varieties.

PRICES :

BEAUTIES—		Meteor	3.00 to 6.00 per 100
36-inch and up.....	\$3.00 to \$4.00 per doz.	Gate	3.00 to 6.00 "
24 to 30-inch.....	2.50 to 3.00 "	Liberty	6.00 to 10.00 "
20-inch.....	2.00 "	Carnations—Common	1.50 to 2.00 "
15-inch.....	1.50 "	Our selection.....	2.00 "
12-inch.....	1.00 "	Fancy.....	2.00 to 3.00 "
Short stems.....	.50 to .75 "	Peonies .....	.75 to 1.00 per doz.
Bride	3.00 to 6.00 per 100	Callas and Harrisii	1.00 to 1.50 "
Bridesmaid	\$3.00 to \$6.00 "	Cape Jasmines	1.00 to 3.00 per 100

Place Orders Early to Secure Best Selection. **LOWEST MARKET QUOTATIONS** on all Stock not Listed Here.

NO CHARGES FOR P. AND D. ON ALL ORDERS OF \$4.00 OR OVER.

E. H. HUNT.

Headquarters for Cut Flowers for

MEMORIAL DAY

A Large Supply in everything that you will want. **THE OLD RELIABLE** is looking out for you. Place your order now.

MARKET PRICES OF CUT FLOWERS TAKING EFFECT MONDAY MAY 23, 1904.

BEAUTIES.	Per doz.	MISCELLANEOUS.	Per 100
30 to 36-inch.....	\$4.00 to \$5.00	Daisies.....	\$.50 to \$1.00
24 to 30-inch.....	3.00 to 4.00	Sweet Peas.....	.50 to 1.00
15 to 20-inch.....	2.00 to 3.00	Alyssum.....	.25
8 to 12-inch.....	1.00 to 2.00	Mignonette.....	3.00 to 5.00
Short.....	.75 to 1.00	Pansies.....	.75 to 1.00
ROSES (Teas).	Per 100	Jessamine, per 1000.....	\$10.00
Brides, select.....	\$5.00 to \$6.00	Valley, superior, per 1000.....	\$3.00 to 4.00
Bride, medium.....	4.00 to 5.00	Callas, per 1000.....	8.00 to 10.00
Maid, select.....	5.00 to 6.00	Harrisii, per 1000.....	8.00 to 10.00
Maid, medium.....	4.00 to 5.00	GREENS.	
Liberty, medium.....	6.00 to 10.00	Smilax Strings, per doz.....	\$2.00 to \$2.50
Perles.....	4.00 to 6.00	Asparagus Strings, each.....	.40 to .50
Golden Gate.....	4.00 to 6.00	Asparagus Bunches, each.....	.35
Chatenay.....	6.00 to 10.00	Sprengeri Bunches, each.....	.35
Roses, our selection.....	4.00	Adiantum, per 100.....	.75
CARNATIONS.		Ferns, common, per 1000.....	4.00
Medium.....	1.50 to 2.00	Galax, green, per 1000.....	1.25
Fancy.....	2.00 to 3.00	Galax, bronze ".....	1.50
Ex. Fancy.....	3.00 to 4.00	Leucothoe Sprays, per 1000.....	10.00
PEONIES.....	.75c to \$1.00 per dozen.	Ivy Leaves, per 100.....	.50

—Finest on this Market.—

76-78 Wabash Avenue, CHICAGO.

Detroit.

The Florists' Club meeting Wednesday evening, May 18, brought out the usual good attendance. Much routine work was transacted and another name added to the membership roll. Keen interest is already manifested in the coming S. A. F. convention at St. Louis and many present signified their intention to attend. It was decided to organize a bowling team to enter the contest there. Norman Sullivan was appointed manager and Frank Holznagle captain of the team, and a preliminary game was rolled after adjournment of the meeting. The summer outing of the club will take place July 20 at Bois Blanc Island, where, as usual, an interesting programme of amusements will be carried out. Philip Breitmeyer, who recently visited Philadelphia and Buffalo, gave an interesting address on trade matters and the condition of business there.

A period of extreme dullness is at present concerning the trade here. The very cold and unseasonable weather we are having seems, by common consent, to be responsible for it, although it is likely that the local labor troubles contribute some to the unfavorable trade conditions. There has not been any perceptible movement of plants for bedding purposes up to the present time and plant growers' houses are heavily stocked. In cut flowers a surplus is everywhere to be seen, which is due entirely to the slow demand and not to heavy crops.

Visitors: J. A. Blessing, Jackson, Mich.; Geo. Baumann, Columbus, O.; M. Reukauff, Philadelphia, Pa.; E. S. Fetters, Cleveland, O. J. F. S.

OAKDALE, N. Y.—Great improvements are being made on the estate of A. K. Bourne, including a picturesque waterway two miles long for canoeing, and an extensive rose garden.

INDIANAPOLIS, IND.—Edward J. Bertermann, of Bertermann Brothers, who has been in the United States since 1877, was naturalized May 3. Mr. Bertermann will soon leave for an extensive tour of Germany and the continent and desired to go abroad as a full fledged American citizen.

BEEVILLE, TEX.—Wm. McHenry, a veteran gardener, has received the appointment of assistant to Sam H. Dixon, of Houston, who has charge of the Texas horticultural exhibit at the St. Louis fair. He is now collecting horticultural specimens from this section and placing them in cold storage in Houston, preparatory to shipment to St. Louis.

HILTON, N. J.—Many of the strawberry growers here have taken up pansy growing as a side issue which does not seriously interfere with the culture of the strawberry, and with such success that it is a question whether the pansy may not, before long, displace the strawberry as Hilton's staple product. New York city and Newark are the principal markets supplied.

ROSES.

Per 100 Per 1000
 BRIDE, MAID, GATE, IVORY.....\$3.00 \$25.00
 PERLE, METEOR..... 3.50 30.00

From 2 1/4-inch pots. Thrifty plants.

WM. B. SANDS, LAKE ROLAND, Balto. Co., MD.

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HENRY A. DREER, Philadelphia, Pa.

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ORCHIDS.

WE BEG TO ANNOUNCE THE ARRIVAL IN SUPERB CONDITION OF THE FOLLOWING ORCHIDS:

CATTLEYA TRIANAE, CATTLEYA MOSSIAE, CATTLEYA LABIATA AND CATTLEYA SPECIOSISSIMA.

For cutting the above kinds cover a period from October to June or Fall, Winter and Spring. They are money-makers without fail, and we advise you to buy your stock NOW. We have never been able to offer all these kinds at one time nor in such fine condition. We sell them by the dozen, hundred or case. Also just at hand a fine shipment of the popular *Odontoglossum Grande*, indispensable for cutting or as pot plants in the fall. Write for prices at once.

LAGER & HURREL, Summit, N. J.

—ORCHID CROWERS AND IMPORTERS—

CARNATIONS

STONG, CLEAN, HEALTHY.

Per 100 Per 1000

Enchantress, from 2-in. pots....\$7.00 \$55.00
 The Queen, white, from 2-in. pots 6.00 50.00
 Fair Maid, from 2 1/4-in. pots..... 4.50 40.00

—CASH WITH ORDER.—

JOHN W. FOOTE,

35 Grape Street, MALDEN, MASS.

Rose Plants

QUEEN OF EDGELY, 2 1/4-inch, per 100, \$8.00;
 per 10 0, \$85.00. 3-inch, per 100, \$8.00;
 per 1000, \$75.00.

OLD STOCK, per 100.....\$6.00

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ROSE PLANTS From 2 1/4-inch pots.

Bridesmaid.....\$3.00 per 100; \$25.00 per 1000
 Brides..... 3 00 per 100; 25.00 per 1000
 Golden Gate..... 3.00 per 100; 25.00 per 1000
 Ivory..... 3.00 per 100; 25.00 per 1000

ADIANTUM CUNEATUM.

Large clumps from beds.....\$10.00 per 100

Geo. W. Waterfield, Wyndmoor, Pa.

JOHN BURTON, Assignee for

ROBERT CRAIG & SON,
Roses, Palms,
 and Novelties in Decorative Plants.

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ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimson. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEENS, L. I.

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CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

Per doz. Per 100
 Flamingo, fine scarlet.....\$3.00 \$12.00
 Mrs. M. A. Patten, fine variegated.... 3.00 12.00
 Crusader, scarlet..... 2.00 10.00
 Reliance, white..... 2.00 10.00
 —50 at 100 rate.—

Per 100 1000
 Harlowarden, best crimson.....\$5.00 \$40.00
 Governor Lowndes, finest white..... 6.00 50.00
 Genevieve Lord..... 2.50 20.00
 Mrs. E. A. Nelson..... 3.10 30.00
 Norway..... 2.50 20.00

Per 100 1000
 Prosperity.....\$3.00 \$25.00 Estelle.....\$3.00 \$25.00
 Sibil..... 4.00 30.00 Mrs. R'velt.. 4.00 35.00
 Lillian Pond. 4.00 35.00 Gov. Wolcott 4.00 35.00

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

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The White Fly.

ED. AM. FLORIST:—I wish some writer would tell how to destroy the white fly in greenhouses. It seems to grow fat on tobacco smoke. J. M.

The following on this insect pest, which appeared in our columns early last year, will probably interest "J. M." and other readers at this time:

This greenhouse pest has been long familiar to florists and gardeners, but little has been known regarding its life history and the agencies by which it may be kept in check. For these reasons Bulletin 140, on the white fly or plant house aleyrodes, by Prof. W. E. Britton, of the Connecticut Experiment Station, is very welcome. The following summary of the bulletin will be found useful:

1. The white fly has been the worst insect pest of tomatoes and cucumbers under glass at the station during the past eight years. Many florists' plants are also injured, and the insect has attacked strawberry and many other plants out of doors in summer. It has been received from several growers in Connecticut and is widely distributed over the northeastern United States. Its original home is unknown.

2. The white fly is closely related to the scale insects, and to the plant lice. It resembles the former in its immature stages, but differs from them in that both sexes are winged when reaching the adult stage.

3. It injures plants by sucking the sap from the under sides of the leaves. The lower leaves are the first to shrivel and drop. Most of the injury is caused by the nymphs or immature insects.

4. The nymphs of the white fly have been found upon fifty-eight different kinds of plants in Connecticut.

5. About five weeks are required for the white fly to pass through its life stages, all of which are found on the under side of leaves. Eggs hatch in eleven days, and the young nymphs crawl for a short time, when they become stationary and secrete wax in long filaments. When the adults emerge the pupa skins remain attached to the leaves. It is not yet known whether the species can survive the winter unprotected in this climate, but it is carried over on plants in greenhouses and dwellings.

6. It is thought to be identical with the European species *A. vaporariorum* of Westwood, but this has not yet been fully determined.

7. Fumigating with tobacco is not an effective remedy. Hydrocyanic acid gas (using two and one-half ounces of potassium cyanide for each one thousand cubic feet) killed the insects but injured tomato plants. Dr. Fisher used one ounce of cyanide and did not injure his plants, but killed all of the insects.

8. Spraying the under surfaces of the leaves with common laundry soap and water (one pound dissolved in eight gallons) proved to be a cheap and effective remedy. If applied frequently, however, the soap should be occasionally washed from the leaves by spraying them with clear water.

Asparagus in Rose House.

ED. AM. FLORIST: Can *Asparagus plumosus* be successfully grown on benches in a rose house? What kind of soil and manure does it need? How should the plants be treated to secure good fronds instead of long strings?

N. E. B.

Asparagus plumosus may be successfully grown in a rose house on benches. Well decayed cow manure may be used with any good loam. If the variety *A. plumosus nanus* is planted instead of the type, little or no trouble will be given as to running to strings. The fronds of this asparagus are being used in preference to strings generally, and the old smilax is returning to its one-time popularity to be used when strings are needed.

E. L.

VINCA VARIEGATA.

Fine, extra bushy plants. \$10.00 per 100. 4-inch plants, \$8.00 per 100. This is stock of Extra Quality and Value. Get your orders in at once.

C. C. POLLWORTH CO., Milwaukee, Wis.

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GERANIUMS

Per 100
10 var., 2½-inch pots.....\$3.00
10 var., 3-in. pots..... 4.00
Alternantheras, red and yellow, April 15..... 2.00
Seedling *Potunias*, May 1st..... 2.50
Asp. Plumosus Nanus Seeds..... per 1000, \$4.50; 1.00

Coleus

Per 100
10 varieties, 2-inch pots.....\$2.00
Vinca Var. Vinca, 2-inch pots..... 2.50
Asparagus Plumosus Nanus, 2-in. pots, July 1... 2.50
Seedlings, ready... 1.75
Asparagus Sprengeri, April 15..... 2.00

Cash or C. O. D. **JOS. H. CUNNINGHAM, Delaware, O.**

Please mention the American Florist when writing.

FIRST-CLASS STOCK AT A BARGAIN

Geraniums, Double Grant, Poitevine, Nutt and Buchner, *Salvias*, Splendens and Bonfire, French *Cannas*, yellow, red and mixed. *Begonia*, Vernon. All extra strong, 4-inch, in bud and bloom, \$5.00 per 100. Extra strong, 3-inch, \$3.00 per 100; \$25.00 per 1000, except *Geraniums*.

Coleus, golden yellow, crimson *Verschaffeltii*, red gilt edge and Giant Fancy Mixed, *Ageratum*, blue, *Begonia*, Vernon, *Lobelia Erecta* and *Trailing* and *German Ivy*. All extra strong, 2½-inch, mostly in bloom, \$1.75 per 100; \$15.00 per 1000. *Geraniums*, Mme. Sallerol, strong, 2½ and 3-inch, \$2.00 and \$3.00 per 100; \$18.00 and \$25.00 per 1000. *Dracaena Indivisa*, strong 5-inch, \$1.75 per doz. *Salvias*, Splendens and Bonfire, *Begonia*, Vernon, all extra fine, strong, 3-in., mostly in bloom, \$3.00 per 100; \$25.00 per 1000.

Cobaea Scandens, strong, 3-inch, staked, 2 to 3-ft., \$4.00 per 100. All plants shipped at special rate. Satisfaction guaranteed. Cash please.

WM. HERZOG, Morris Plains, N. J.

Please mention the American Florist when writing.

NEW PINK CHRYSANTHEMUM

AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3¼ to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y.

Jamaica P. O., Woodhaven Station.

CHRYSANTHEMUMS.

STRONG, COOL CROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonnaffon, White Bonnaffon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2½-inch pots, \$2.00 per 100. Special price by the 1000.

COLEUS, Golden Bedder, *Verschaffeltii* and fancy mixed, 2½-inch, \$1.75 per 100; \$17.00 per 1000. Rooted cuttings, 75c per 100.

H. N. BAYON, Agent.

SO. SUDBURY, MASS.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

A PROSPEROUS FLORIST

Is never idle. A glimpse into my houses will prove this. Even enemies must admit that an unusual amount of work has been done to fill an establishment of so many houses which were emptied at Easter, with such an enormous stock of 150,000 choice bedding plants, an increase of 50,000 from last year. Ready now immediate shipment. Secure bargains for now and Decoration Day.

Geraniums, Le Pilot, double scarlet, Mme. Thibaut, double pink, La Favorite, double white, S. A. Nutt, double crimson, out of 4-inch pots, \$7.00 per 100.

Ageratum, blue, 4-inch, \$6.00 per 100; 3-inch, \$5.00 per 100.

Scarlet Sage, best varieties only, 4-inch, \$7.00 per 100, 3-inch, \$5.00 per 100.

Begonia, Vernon and Erfordi, 4-inch, \$7.00 per 100.

Heliotropes, blue, 4-inch, \$6.00 per 100.

Roses, Hermosa and Hybrid 4-inch, \$10.00 per 100.

Hardy or English Ivies, 4-inch \$10.00 per 100; 3 inch, \$7.00 per 100; 2½-inch, \$5.00 per 100.

Periwinkle, (*Vinca Variegata*) very strong, 4-inch, \$8.00 to \$10.00 per 100.

Cobaea Scandens, 4-inch strong, \$6.00 per 100.

Begonia, tuberosus rooted, 5¼-inch pots, in bloom and bud, \$2.50 per doz.

Pres. Carnot and other mixed varieties, very strong, 5½-inch pots, \$2.00 per doz.

Fuchsias, 5-inch, \$1.50 per doz.

Daisies, yellow and white, 5-inch, \$2.00 per 1000.

Honeysuckle, 6-inch, \$2.00 per doz.

Dracaena Indivisa and *Lantana*, 6 to 7-inch pots, 50c each.

Hydrangea Otaksa, for out-door planting, 6-inch pots, \$3.00 per doz.

Small plants out of 2½-inch pots, \$3.00 per 100 as follows:

Petunias (California Giant) an inimitable dwarf. *Phlox*, Drummond's Giganteum, *Nasturtium* (Empress of India) 3-inch pots. *Verbenas*, Sweet Alyssum (Little Gem), *Lobelias*, *Cupheas*, *Tradescantia*, *Pyrethrums* (Golden Feather), *Alternantheras* (red and yellow), *Dusty Miller*, *Parlor Ivy*, *Lobelias* and *Coleus*, *Verschaffeltii*, *Golden Bedder* and *Fire Brand*.

—25 lots sold at 100 rates.—

Don't forget that I am the Moon Vine grower of the land. Only **A. W. Smith's Hybrid Moon Vines**, (*Ipomoea Noctiflora*) is exclusively the one I grow and is the only true Moon Vine in America, as Mr. Smith has the world wide reputation of growing the best Moon Vine seed. Please bear in mind that this is no morning glory like so many sell for Moon Vines but the pure white waxy moon flowers as large as saucers. 3-inch, pots, \$7.00 per 100; 4-inch pots \$10.00 per 100. Nicely staked up.

Watch add for *Araucarias*, *Palma* and *Ficus* in about 3 weeks. Please send cash with orders. All goods travel at purchasers' risk. My best thanks to my customers for their liberal patronage at Easter.

Godfrey Aschmann,

Wholesale Grower and Importer of Pot Plants.

1012 Ontario St., Philadelphia, Pa.

15 Per Cent Discount on all orders to Clean Up Surplus for the next 60 days. Write me your wants at once.

STOCK PLANTS, ROOTED CUTTINGS and PLANTS in SMALL POTS.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

Please mention the American Florist when writing.

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2632 Park Ave. David S. Beach, Prop.

Newport, R. I.

We have had a fine warm week with rain enough to start vegetation going in good shape. Everybody is on the jump from morning till night preparing for the Newport season, which will open very soon now; in fact summer visitors are now arriving daily. Good help is very scarce. It is always in good demand at this season, but this year it is almost impossible to get real good helpers. All over town there is great activity putting grounds and gardens in shape, and especially are the lawns being given the closest care and attention. The final plantings of trees and shrubbery have been pushed along as the leaves are coming so fast now that in a few days more this work must cease until another autumn. There has been considerable funeral work lately. It has been one of the best weeks of the spring with the seedsmen, all hands working day and night. There seems to be less cutting of prices this year than usual. Soon the new seed store of William B. Scott & Company will be in the field for business.

One of our leading fruit growers says the strawberry crop in this section will not be a success this year. The plants, which are just beginning to show growth, encouraged by the pleasant weather, do not look thrifty. Nearly a good half of the plants are winter killed and the yield of fruit will also probably be affected by the long continued and exceptionally cold winter. Not over half a crop is now expected.

A number of workmen are busy at Sandy Point Farm grading and rolling a field on Wapping road for use as a polo ground for Reginald C. Vanderbilt. The field is directly off the road, near the south end of his estate, and being already quite level, very little labor will fit it for use.

Arbor day was quietly observed here on Friday, May 13. It is a legal holiday in this state. The schools had appropriate exercises, seeds were distributed and trees planted. Several of the teachers took advantage of the pleasant weather and went into the country with their pupils to study trees and flowers.

Contracts for the construction of the new villa for Mrs. John Nicholas Brown have been given out and the work will shortly begin on her estate on Halidon hill. This will mean another good gardener needed and large quantities of trees and shrubbery.

John B. Urquhardt, head gardener to R. L. Beekman, at Land's End, was successfully operated on for appendicitis last Saturday, and at this writing is getting along very nicely. During his illness Joseph G. Leikens will take charge of Mr. Beekman's estate.

It is not often that a stone mason with brick, mortar and trowel is engaged to repair a tree. But for some time one of the fine old trees at Stone Villa has shown a decided opening in its center, and in order to save it the big hole has been filled with brick.

Extensive improvements are being made to the Casino lawn; the whole surface has been thoroughly sub-soiled and properly fertilized before being planted.

All the flowers for the Gerry coaching party in New York were made up and shipped from Sea Verge by Arthur Griffin, head gardener for Commodore Elbridge T. Gerry.

A large quantity of young trees have arrived here for H. A. C. Taylor's farm, The Glen, and were set out this past week. X.

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. **BOSTON FERNS**, 2½-inch, \$3.50 per 100; 3-inch, \$3.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS**, 2½-inch, \$8.00 per 100; 5-inch, 50c. **ASPARAGUS PLUMOSUS**, 2½-inch, extra fine, \$3.50. **CANNAS**, F. Vaughan, J. C. Vaughan and Burbank, \$1.50 per 100; \$12.00 per 1000. **COLEUS**, 15 varieties, \$2.00 per 100. **ALTERNANTHERA**, Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

Cash Please.

A. J. BALDWIN, Newark, O.

NOW READY
COLEUS
Rooted Cuttings.
VERSCHAFFELTII, GOLDEN QUEEN
and **FIREBRAND.** By express 60c per 100; \$5.00 per 1000. At purchaser's risk by registered mail, 75c per 100.
FRANK A. PIERSON,
CROMWELL, CONN.

Please mention the American Florist when writing.

Geraniums.

The best proposition ever offered. Send for it to day.

ALBERT M. HERR,
LANCASTER, PA.

GERANIUMS.

Extra fine stock in bud. 3-inch Gen. Grant, S. A. Nutt, E. G. Hill, LaFavorite and other varieties, \$4.00 per 100. **VINCAS**, variegated, long vines, 4-inch pots, \$8.00 per 100. **HYDRANGEA OTAKSA**, 6-inch, 3 to 4 buds, \$2.50 per doz. Cash.

GEO. H. BENEDICT, Yorkville, N. Y.

GERANIUMS.

To bud and bloom. Bushy plants, 4-inch, \$6.00 per 100. **Roses**, Brides, Maids and Golden Gate, 2-inch, \$2.00 per 100. **Asp. Plumosae Nanus**, from flats, ready to pot, \$2.00 per 100; 2-inch, \$3.00 per 100. **Verbonas**, plants in bud from flats, 60c per 100. **Rex Begonia**, 4-inch, \$8.00 per 100. **Heliotropes**, 4-inch, in bloom, \$6.00 per 100.

Hill Top Greenhouses, 15-17 Gray Ave., Ulica, N. Y.

CYCLAMEN

Pers. Spl. Gigantum. Finest strain in the world in four true colors (separate) twice transplanted from flats, \$3.00 per 100; \$25.00 per 1000. Extra fine plants from 2½-inch pots, \$5.00 per 100; \$45.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Giant Clyclamen. My own strain. The best that can be raised.

Once transplanted, \$2.00 per 100; \$18.00 per 1000. 3 inch, \$4.00 per 100. **Sprengeri**, from flats, 75c per 100; \$6.00 per 1000; 3-inch, \$4.00 per 100. **Hardy English Ivy**, very strong 4-inch, \$12.00 per 100. **Cannas**, 4-in. Kate Gray, Pennsylvania, Aliemania, McKinley, Crozy, Florence Vaughan and others, \$6.00 per 100. **Cajadium**, 5-in. \$12.00 per 100. **Geraniums**, 4-in., best standard, \$8.00 per 100.

C. WINTERICH, Defiance, O.

FOR Bay Trees,

PALM, DECORATIVE PLANTS, ORCHIDS.
All sizes. Apply to

Julius Roehrs, Rutherford, N. J.
—EXOTIC NURSERIES—

Successful Growers are Wanted

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

BEDDING PLANTS

GERANIUMS, Nutt, Le Soleil, Marvel, Grant, Beaute Poitevine, LaFavorite, A. Riccard, Mme. de Castellane, Jean Viaud.

	Per 100	Per 1000
2½-inch.....	\$3.00	\$25.00
4-inch.....	7.00	65.00

HELIOTROPES.
4-inch..... 7.00 65.00
Will average 6 to 8 shoots.

2½-inch..... 3.00 25.00

SALVIA, Scarlet Sage, Bonfire.
4-inch..... 6.00 50.00
2½-inch..... 2.50 20.00

LOBELIA, 3-inch..... 4.00
Loaded with buds and blooms.

We wish to call special attention to the fact that our plants have been given plenty of room and are exceptionally fine, bushy and well branched, all in bud and flower.

Larchmont Nurseries,
Larchmont, N. Y.

Please mention the American Florist when writing.

PANSIES.

100,000 Now in Bloom.

Extra large field-grown plants. They are the Kind that Sell. Per 100, \$2.00; per 1000, \$20.00.

Seedlings, \$3.00 per 1000.

ALBERT A. SAWYER, Pansy Specialist,
Successor to Thos. J. Corbrey,
23-33 S. Harlem Ave., OAK PARK, ILL.
Telephone, Harlem 2342.

Please mention the American Florist when writing.

Geraniums FOR Decoration Day

White, Pink, Red and Salmon, 4-in.
Stock in bloom, \$8 per 100. Write

GEO. A. KUHL, PEKIN, ILL.

Please mention the American Florist when writing.

Coleus VERSCHAFFELTII GOLDEN BEDDER FIREBRAND

2½-inch pots, \$2.50 per 100; \$20.00 per 1000.
ROOTED CUTTINGS, 75c per 100; \$6.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

New Bedford, Mass.

We had a spurt in business last week on account of the dedication of a new armory. The governor and a lot of military dignitaries were here from Boston, and altogether it was about the swellest time we have had for many a day. The demand for flowers for the ball in the evening was very brisk.

Outdoor gardening is now well under way, and some of the florists are extremely busy. Rolling, grading, seeding and planting trees and shrubs are in order and lots of it is being done. There is a great call for shrubs and hardy plants of all kinds, but the department stores sell the most of them. People are beginning to be sick of department store roses and bulbs, however, and will buy less of them in the future. Those who bought cheap tulip bulbs last fall are disappointed, for many of them failed to bloom and a large proportion of the cheap roses have died.

Friends of H. A. Jahn made a surprise call at his store the other evening and presented him with a new set of harness. Mr. Jahn also surprised his friends by showing them a flower of a seedling carnation that measured five and a half inches in diameter.

William Pierce met with a painful accident lately. He was handling a plant with sharp-pointed leaves, when one of the points gouged into his eyeball. He may lose his sight in consequence.

It seems as though everybody had gone into the vegetable plant business. J. W. Bates advertises 100,000 and others have large quantities of them.

W. G. Kraber has bought a tract of land and will build some houses on it this summer. A. B. H.

Milwaukee, Wis.

Stock has shortened up considerably as compared with the heavy receipts of last week, but still there is more than enough to fill all orders. Good American Beauty, however, is not too plentiful. The last few cool days have helped improve the roses. Bulbous flowers of all kinds are slow sale, excepting perhaps valley, which has done fairly well this week. Smilax is more plentiful than it has been for at least two months. Indications point to a sufficient supply of flowers for Decoration day. There will be an abundance of such stock as cape jessamine, peonies, lilacs, tulips, etc. Bedding stock is selling well this spring and those florists that do this class of work are rushed to the limit.

E. Welke, the Third street dealer, has a new assistant, a little girl.

Visitors: C. Lund, Wausau; John Bourgaize, Racine. K.

LYNN, MASS.—Miss Annie King, formerly a school teacher, but latterly engaged as a florist, discovered a burglar hidden under her bed one night recently. Miss King is by no means slender or delicate, and, although the intruder escaped, he is not likely to again trouble that lady.

VIOLETS.

I make a specialty of violets. Grow them in cold frames. My stock is perfectly healthy. Marie Louise and Swanley White. Write for my low prices on strong plants. Will exchange some for choice hardy roses and carnations.

CHAS. KOEPPEN, Fredericksburg, Va.

Please mention the American Florist when writing.

SMILAX.

2 1-2 inch pots, \$2.50 per 100; \$20.00 per 1000.

HOLTON & HUNKEL CO.,

Milwaukee, Wis.

ASPARAGUS SPRENGERI,

Choice stock ready for a shift. 3 4 5 6 and 7-inch pots, at \$4.00, \$8.00, \$20.00, \$35.00, \$50.00 and \$75.00 per 100. Roses, Geraniums, Bos. on Ferns, Asp. Plumosus, Vincas, English Ivy, Lettuce and Tomato Plants. For prices see issue May 7.

J. H. BORNHOEFT, Tipton, Ind.

FERNS.

Nephrolepis Piersoni, strong plants from 2-inch pots, \$8.00 per 100.

Fall planted stock from bench, ready for 4-inch pots, \$20.00 per 100.

Nephrolepis Bostoniensis, fall planted, ready for 4-inch pots, \$10.00 per 100.

HARDY PLANTS.

All the following are last season's propagation:

Anemone Japonica, from 2-inch pots, \$4.00 per 100, including the following varieties: Alba, Queen Charlotte and Elegantissima.

Acquilegia, (Long Spurred, mixed), 2-inch pots, \$3.00 per 100.

Helenium Autumnale Superbum, strong divisions, \$4.00 per 100.

Digitalis, extra strong, 3-inch pots, \$3.00 per 100.

Hellianthus Sparsifolia, grand novelty for cutting, 25c each; \$2.50 per dozen.

Oriental Poppy, 3-inch pots, \$5.00 per 100.

Pyrethrum, strong clumps, \$6.00 per 100.

Rudbeckia Newmanii, 2 1/2-in. pots, \$3.00 per 100.

Rudbeckia Triloba, 3-inch pots, \$5.00 per 100.

Nathan Smith & Son, ADRIAN, MICH.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE,

2 1/2-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, In Best CARNATIONS, for all delivery, Varieties CHRYSANTHEMUMS, SMILAX, VIOLETS.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Stanley Ashton & Co.,

Southgate, England.

The live British Orchid growers and importers supply plants singly or by thousands with equal pleasure. Write for quotations and American testimonials. Brazilian species in bulk shipped direct from Brazilian port. Hybrids a great specialty.

Cannas 5,000 J. D. Eislie, the best red, slightly started, at \$3.00 per 100; \$35.00 per 1000. 3,000 Mlle Berat, the best pink canna, \$1.00 per 100; \$8.00 per 1000. Also strong 4-in pots of the following varieties: Beate Poitevine, David Harum, Egandale, Niagara, Sam Trelense, \$1.00 per dozen. J. D. Eislie, Mrs. Robt. McKeand, Capt. Druceon. 75c per dozen.

W. W. COLES,

Maple Hill Rose Farms, KOKOMO, INO.

5,000 Chrysanthemums.

Mrs. Jerome Jones, 2-inch pots, thrifty plants, \$2 per 100; \$18 per 1000.

THOS. H. PATTERSON

278 Old York Road, BALTIMORE, MD.

BOSTON FERNS

—A1 POT CROWN.—

6-inch.....each, 40c
5-inch.....each, 25c
4-inch.....each, 15c
3 1/2-inch.....each, 12 1/2c
3-inch.....each, 8c

PIERSONI FERNS.

6-inch.....each, 50c
3 1/2-inch.....each, 15c

GERANIUMS.

4-inch, \$8.00 per 100; 3 1/2-inch, \$6.50; 3-inch, \$5; 2 1/2-inch, \$3.50 in the following varieties: Red, S. A. Nutt, Pasteur, Le Soliel and Trego. White, La Favorite and Mme. Carnot. Pink, Jean Viaud, Salmon, E. G. Hill. Write for discounts on 100 lots.

The Cation Greenhouse Co.

1101-03 Fifth Ave., PEORIA, ILL.

Please mention the American Florist when writing.

Fuchsias.

1 1/2-inch pots, in variety.....\$2.50 per 100
2 1/2-inch pots, in variety..... 4.00 per 100

Sansevieria Zeylanica.

2 1/2-inch, strong..... 4.00 per 100
3-inch, strong..... 6.00 per 100

Per 100

Geraniums—Good plants.....\$4.00

Strong plants, bud and bloom..... 6.00

Heliotrope of sorts, good stock..... 4.00

Coleus—Rooted Cuttings, 75c per 100; Plants 2.50

Alternantheras—3 kinds, Rooted Cuttings.. .50

Plants, bushy.....2.50

Begonias, in good assortment..... 4.00

ROBERT S. BROWN & SON,

Box 335, KANSAS CITY, MO.

Smilax

Seedlings, 25c per 100 prepaid; \$1.50 a 1000 by exp. SALVIA, Silver Spot, \$2.00 per 100. MOONVINES, blue, 2-in. strong, \$2.00 per 100. VINCA, variegated, 2-inch, \$1.25 per 100; \$10.00 per 1000.

Rooted Cuttings Prepaid. STEVIA, variegated, 75c per 100. AGERATUM, Gurney, Pauline.

ALTERNANTHERA, yellow, 50c per 100. FUCHSIAS, 5 kinds, 75c per 100. PETUNIA, double, 12 kinds. HELIOTROPE, blue, CHRYSANTHEMUMS, 10 best standards, \$1.00 per 100; prepaid for 10c extra. COLEUS, 10 best bedders, 50c per 100; \$4 50 per 1000, by express. SALVIA, Splendens, Bonfire, Silver Spot, 90c per 100.

—CASH—

BYER BROS., Chambersburg, Pa.

PLANTS.

ROSES—Bride and Bridesmaid, 3-in..... \$4.00

COLEUS—Golden Bedder and Verschaffeltii, 2 1/2-inch..... 2.00

Assorted, 2 1/2-inch..... 1.50

LOBELIA—Trailing, blue, 2-inch..... 1.50

AGERATUM—Blue, white and Princess Pauline, 2 1/2-inch..... 1.50

VINCA VARIEGATA—2 1/2-inch..... 3.00

GERMAN IVY—2 1/2-inch..... 1.50

ENGLISH IVY—2 1/2-inch..... 3.00

—CASH PLEASE.—

R. I. HART, Hackettstown, N. J.

VIOLET PLANTS.

Princess of Wales. Field-grown, well-rooted delivered at \$15.00 per 1000 or \$2.00 per 100.

Remember we pay the express charges. Cash with order.

Ocean Park Floral Co., Ocean Park Cal.

E. J. VAWTER, President.

Providence.

Carnations were so abundant the last two weeks that many of the trade have been having special sales at prices that "defy competition," but they were not the gainers by the low price method. I doubt the wisdom of selling at 10 and 12 cents a dozen for fresh cut flowers; it creates a feeling of suspicion that the former price of 25 and 30 cents a dozen was unfair and maybe extortion. Roses have been wholesaling at \$1 to \$3 per 100 for nice stock and carnations have had difficulty in bringing over \$1 per 100, most of the average cut being marketed at 50 and 75 cents. Business is fair and profitable, what there is of it. Ferns from the south now fill any and all wants.

The Florists' Club at the May meeting discussed at length financial methods and listened with great interest to nearly all the members present. Maxfield and Fales exhibited a fine white seedling carnation, and a committee was selected to visit the growers and make further report. Mr. Hill is down on the calendar to make a detailed report of the April flower show at the club rooms in June.

The plant trade is booming; everybody has nice geraniums and prices are satisfactory. M.

Louisville, Ky.

The Ray Phonograph Company will open a cut flower department in its Fourth avenue store and will have its spring opening June 1. Miss Edith Walker, formerly with Wm. Walker, her father, will have charge of the cut flower department.

This week cut flowers have been in oversupply. Race week is generally a dull week. The late, cold spring has made the sale of plants a little slower than usual.

Louis Kirch planted his carnations in the field. He reports this as being the best year he has ever had with carnations.

F. Walker & Company's new store is nearly completed and will soon be occupied by them. H. G. W.

KANSAS CITY, MO.—A hailstorm May 5 broke 1,000 panes of glass in Alfred Browman's greenhouses.

ST. PAUL, MINN.—The women's auxiliary of the Northwestern Manufacturers' association has decided not to hold a flower show next autumn, because of many other interests, including the St. Louis fair.

CANANDAIGUA, N. Y.—Notwithstanding the unfavorable weather of last year, the first exhibition of the Florists' and Gardeners' Society was a decided success. The next exhibition will be held in November.

ERIE, PA.—Owing to the ill health of G. R. and V. L. Schluraff the Schluraff Floral Company has sold its retail business at 20 Poplar street and 22 W. Ninth street, to Burfitt & Vetter. The Schluraff company will continue in the growing business at 2406 Poplar street.

DIXON, ILL.—The directors of the state horticultural society last week rented a farm near Hebron, in McHenry county, for the purpose of establishing a sub-station there. L. R. Bryant and H. T. Thompson, of Huntley, both directors, will have charge of the station, and are now engaged in buying trees, vines, plants, etc., with which to stock the farm.

Boston Ferns.

Prices—2½-in., \$4.00; 3-in., \$8.00; 4-in., \$15.00; 5-in., \$25.00 per 100; 6-in., 40c; 7-in., 60c; 8-in., 75c each.

Piersoni Ferns

2½-in., \$8.00 per 100; 4-in., 35c; 5-in., 50c each. Strong young plants from the bench, at \$4.00 per 100; \$30.00 per 1000.

ALTERNANTHERAS, red and yellow, strong rooted cuttings, 50c per 100; \$4.00 per 1000. Special price on large quantities.

DAVIS BROS., Morrison, Ill., and Geneva, Ill.

Please mention the American Florist when writing.

Geo. Wittbold Co.,

1657 Buckingham Pl., CHICAGO, ILL.

Send for Price List.

DRACAENA TERMINALIS.

From 5-inch pots, \$3.00 per dozen.

JOSEPH HEAGOCK,

WYNCOTE, PA.

Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana

GROWER OF
For our prices see page 551, Nov. 7th issue
Please mention the American Florist when writing.

LOOK HERE.

Azaleas, Areca Lutescens, Kentias, Crotons, Dracaenas, Pandanus Veitchii and Utilis, Rubbers, Genistas, Araucarias, Adiantum, Coccoses, Small Ferns (or dishes).

All first-class stock at lowest wholesale prices. Cash with order or satisfactory references.

A. LEUTHY & CO., Perkins St., Roslindale, BOSTON, MASS.

Boston and Piersoni Ferns.

2½, 3, 4, 5, 6, 7, 8 and 10-inch. Largest growers in the West. 20 000 in stock.

Asp. Plumosus and Sprengeri.

GEO. A. KUHLE, - Pekin, Ill.

ASPARAGUS PLUMOSUS NANUS.

True Stock. Thrifty and well-grown plants.

Seedlings from flats ready for potting, \$12.00 per 1000; \$1.50 per 100. 25¢ at 1000 rate.

Field-grown, for 3-in., \$5.00 per 100; \$40.00 per 1000
" " for 4½-in., 8.00 per 100; 70.00 per 1000

Send the cash along and we prepay the freight.

YALAHA CONSERVATORIES, Yalaha, Lake Co., Fla.

TRUE

Asp. Plumosus Nanus.

Plants from Flats, \$15.00 per 1000. Express paid.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

PIERSON FERNS VERY TRUE STOCK.

Strong 2½-inch stock.....\$ 8.00 per 100

Strong 3-inch stock..... 10.00 per 100

Strong rooted runners..... 5.00 per 100

Cash with order. Satisfaction guaranteed.

BAUR FLORAL CO., Erie, Pa.

GOOD FERNS.

BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$45.00.

PIERSON FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.

Keap Street Greenhouses.

A FEW GOOD THINGS

YOU WANT.

KENTIA BELMOREANA and FORSTERIANA PALMS,

3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds,

for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

PANSY, in bud, \$1.00 per 100.

GERANIUMS, 2-in. pot plants. Double and single

Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill,

Mme. Salleroni, Poitevine, \$2.50 per 100. 3-inch,

\$5.00 per 100.

GLADIOLUS BULBS, fine mixture, \$1.00 per 100.

2½-inch VINCA VAR., LOBELIA, SALVIA, COLEUS.

ALTERNANTHERA, red and yellow. Single and

Double PETUNIA, HELIOTROPE, Golden Gate and

Bridesmaid ROSES, DRACAENA INDIVISA, VER-

BENA, LEMON VERBENA, \$2.00 per 100.

VINCA VAR., 2-inch, \$2.00; 3-inch, \$4.00 per 100.

ABUTILON SAVITZII, 3-inch, \$5.00 per 100.

CANNAS, Black Beauty, Red, Yellow, and

Variegated, 3-inch, \$4.00 per 100.

CASH OR C. O. D.

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

Please mention the American Florist when writing.

Cheap Palms and Asparagus.

Per 100
Lalania Bor., 2-in. pot, seed leaves.. 3.00

" " 3-in. pot, 15-18 in., 2-3 chr. lvs. 12.00

" " 5-in. pot, 18-20 in., 3-4 chr. lvs. 16.00

" " 5-in. pot, 20-24 in., 4 chr. lvs. 20.00

Kentia Bel., 2½-in. pot, 8-10 in., 2-3 leaves..12.00

" " 2½-in. pot, 15-18 in., 3-4 leaves..16.00

" " 3 -in. pot, 15-18 in., 4-5 leaves..18.00

" " 3 -in. pot, 18-24 in., 5-6 leaves..20.00

Asparagus Sprengeri, 2-inch.....\$2.00

Asparagus Plumosus, from flats..... 1.75

" " 2-inch..... 2.50

Sherman Nursery Co., CHARLES CITY, IOWA.

Asparagus.

Per 100 Per 1000
PLUMOSUS NANUS.....\$3.00 \$25.00

PLUMOSUS ROBUSTUS..... 5.00

DECUMBENS..... 3.00

SPRENGERI..... 2.00 15.00

SMILAX.

Well-grown and properly packed.. 1.50 12.50
Special prices on lots of 10,000 or over.

We use a light friable soil that can be shaken off without injury. If you wish to save express charges state when ordering "without soil." Samples mailed for 5c per plant.

ALBERT M. HERR,
LANCASTER, PA.

Anna Foster AND Boston Ferns

Full plants, \$25.00 to \$50.00 per 100. In pots 25c

to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00

per 100. Asp. Sprengeri, 4-inch, \$6.00 per 100.

Dracaena Indivisa, 3-inch, strong, \$8.00 per 100.

Kentia, Ficus, Coleus, R. C., red, yellow and black,

\$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000;

60c per 100. 100,000 bedding plants in Geraniums,

Heliotropes, Fuchsias, Lantanas, Ageratum,

Single and Double Petunias, Asters, Coleus,

Lemon Verbenas, Dracaenas, Vincas, German

Ivy, Lobelia, Alternantheras, red and yellow, etc.

Prices on application.

L. H. FOSTER, 145 King St., Dorchester, Mass.

Boston Ferns

2½-in. 3c; \$30.00 per 1000. 3½-in. 7c;

\$70.00 per 1000.

Piersoni 2½-in., 5c; \$50.00 per 1000; 3½-in., 10c; \$100

per 1000. 5-in., 25c;

\$25.00 per 100. 6-in., 35c; \$35.00 per 100.

Cash with order, please.

H. H. Barrows & Son, Whitman, Mass.

Memorial Day.

We have the usual complete variety of suitable flowers for Memorial Day work. **Moderate Prices.**
Fresh Stock. Packed Carefully. ❀ ❀

Full Line of Florists' Supplies.

The best assortment in New England of METAL WREATHS for Cemeteries. ❀ ❀ ❀ ❀

Do you want a few pair of BAY TREES? We have a new importation of BAYS, various sizes and can quote favorable figures. ❀ ❀ ❀ ❀ ❀

N. F. McCARTHY & CO.

84 Hawley Street, BOSTON, MASS.

Letters and Inscriptions,

Monograms, Patriotic Emblems, Society Badges,

—IN ALL COLORS AND WONDERFULLY ACCURATE.—

Possible Only in the KORAL GOODS.

Rush Memorial Day Orders.

KORAL MFG. CO.

10 Hawley Place,

BOSTON, MASS.

Wichita, Kan.

The regular monthly meeting of the Sedgwick County Horticultural Society was held May 5 in the orchard of Frank Yaw, five miles south of here. A large attendance was present regardless of the disagreeable weather. Several good papers were read on good subjects. The paper read and discussed by Mr. McNally, of Oatville, on "Strawberry Culture" was especially fine. Mr. McNally is the largest strawberry grower in Sedgwick county and understands his business. This county is becoming one of the best strawberry counties in the state, and when the crop commences to ripen the market will be supplied here with home grown berries. The society has decided to put cards with the name of the grower and his membership of this society on them in every box of fruit and any dealer or consumer buying a box with that card in it may rest assured that the fruit is all right. The date of the next meeting will be Thursday, June 2, and will be held in the orchard of E. H. Cooley.

Can't Do Without It.

AMERICAN FLORIST CO.:—Enclosed find draft for \$1, the amount due you. We consider your paper the proper thing and can't do without it.
 Le Roy, Ill. L. A. RIKE & SON.

Beats All Advertising Mediums.

AMERICAN FLORIST CO.:—I cannot tell you the exact figures, but the AMERICAN FLORIST beat all the papers I ever advertised in before. I am more than pleased with the results.
 W. P. LOTHROP.

FLORIST Plain, Violet, Rose
FOIL
 MADE BY
The John J. Grooke Co.
 155 Ave. D, NEW YORK. 149 Fulton St., CHICAGO.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC. TO R. STEFFENS AND STEFFENS BROS.
 MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
 335 EAST 21ST ST. NEW YORK CITY.

CUT FLOWER BOXES WATERPROOF Corner Lock Style.
 The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000
 Size No. 0. 3x 4x20.....\$2.00 \$19.00
 " 1. 3x 4½x16..... 1.90 17.50
 " 2. 3x 6x18..... 2.00 19.00
 " 3. 4x 8x18..... 2.50 23.00
 " 4. 3x 5x24..... 2.75 26.00
 " 5. 4x 8x22..... 3.00 28.50
 " 6. 4x 8x28..... 3.75 36.00
 " 7. 6x16x20..... 5.50 54.00
 " 8. 3x 7x21..... 3.00 28.50
 " 9. 5x10x35..... 6.50 62.00
 " 10. 7x20x20..... 9.50 67.50
 " 11. 3½x5x30..... 3.00 28.50
 Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.
THE LIVINGSTON SEED COMPANY,
BOX 104. COLUMBUS, OHIO.

TIN FOIL
 Plain, Fancy, Printed & Mounted.
 Manufactured by
The Conley Foil Co.
 521 to 541 West 25th St.,
NEW YORK.

LIGHTNING FLOWER POT WASHER.
 Washes all sizes of pots, clean as new, about as fast as you can handle them. **Strong Plants are only grown in Clean Pots.** Send for description. Sold direct \$15.00 net F. O. B. Joliet.
C. E. FINLEY, Joliet, Ill.

Always mention the.....
American Florist
 when you write to an advertiser.

The Gardeners' Directory...

A BRAND NEW BOOK.

**PRACTICAL
 CONVENIENT
 COMPLETE
 INVALUABLE
 THOUSANDS
 OF
 NAMES
 AND
 ADDRESSES.**



THIS book contains complete lists of **Gardeners and Estates Employing Gardeners** in the United States and Canada, arranged for ready reference by states and post-offices. The gardeners are also arranged alphabetically. The book contains a reliable list conveniently indexed, of the leading **Horticultural and Kindred Societies**, with the names and addresses of the Secretaries. **Price \$5.00 postpaid.**

AMERICAN FLORIST COMPANY,
 324 Dearborn St., CHICAGO.

A Little Thing to Print but a Big Thing to Know

That a Better Grade, Newer Styles, and More Varied Assortment of all lines of Florists' Supplies for Decoration Day, Graduation Day, Wedding Decorations and all Occasions requiring Floral Work can be had and are supplied promptly at lower prices than elsewhere on this continent by

H. Bayersdorfer & Co.,

50-56 N. Fourth St, PHILADELPHIA, PA.

—TRY A SMALL ORDER ON ANY LINE AND YOU WILL BE CONVINCED.—

Toronto.

Business is fine and much beyond expectations. The past week was very favorable to the growers, nice mild weather with plenty of sunshine and all greenhouse material blooming freely. Roses were never in finer shape, carnations are both plentiful and good and all other lines of stock are plentiful enough to meet ordinary demands. The past week saw a drop in prices and the better grades of roses are now quoted at \$8 per 100 and carnations at \$3 per 100.

Wm. Gammage, of London, Ont., is sending in some nicely grown roses and carnations. F. Dicks, of the same town, is sending in very fine carnations.

I am pleased to report a slight improvement in the health of Park Commissioner John Chambers, who has been suffering with an attack of pneumonia.

Grobba & Wandrey are sending in nice pots of Clivia miniata, which are favorites with the patrons.

J. H. Dunlop is cutting some select Beauties and his other roses and carnations all look well.

H. G. D.

Putty Needed for Greenhouses.

ED. AM. FLORIST:—We are contemplating erecting a range of greenhouses and would like to know how much putty it will take to glaze about 12,000 square feet of glass. The glass will be butted and we wish to bed it in putty. We will use glass 14x16 inches. GLAZIER.

The amount of putty required for glazing a greenhouse with butted glass can be varied considerably according to the care taken in glazing as well as the quality of the glass, as, if curved, much more will be required than for straight glass. An average amount will be about 400 pounds although fifty per cent more than this will be required unless unusual care is given to saving the scrapings and pressing the glass closely down upon the sash bars. L. R. T.

NIAGARA FALLS, N. Y.—At John Dobbie's greenhouses, 315 Victoria avenue, May 8, without warning or apparent cause a bench in the carnation house 125 feet long collapsed with a crash and fell in ruins to the floor. As the bed of earth fell flat the loss in plants is not great.

RANDOLPH, VT.—The firm of Burnell & Totman has dissolved partnership, and H. M. Totman now has charge of the business. F. J. Burnell for some little time will assist Mr. Totman at the greenhouses.

M. RICE & CO.,
Importers and Manufacturers,
Leading Florists' Supply House and Ribbon Specialists.
918 Filbert Street, Philadelphia, Pa.

Iron Reservoir Vases



AND
Lawn Settees,
Manufactured by
McDONALD BROS.,
COLUMBUS, O.

The largest manufacturers of these goods in America. Send for catalogue.

Fumigating Kind Tobacco Powder
KILLS ALL APHIS IN ONE NIGHT
in a house 100x25 ft. at a cost of 10c. A 5 lb. trial pkg. will cost nothing if you will pay the express charges on it. Our booklet tells you it. Write Legu. C. for it.
The H. A. STOOHOFF COMPANY
116, 117, 118 West St., N. Y. City

PURE SHEEP MANURE
Dried, Unpulverized and Pulverized.
—WRITE FOR PRICES.—
MONTANA FERTILIZER CO., Elgin, Ill.

THE AMERICAN FLORIST CO.'S DIRECTORY for 1904 IS NOW READY.

And contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies and Horticultural Supply Concerns of the United States and Canada.

Hundreds of New Names and Addresses.

Price Two Dollars, Postpaid.

AMERICAN FLORIST COMPANY,
CHICAGO, ILL., U. S. A

Don't Worry Use "NICOTICIDE"
No bugs then.
TOBACCO WAREHOUSING AND TRADING COMPANY,
LOUISVILLE, KY.

Please mention the American Florist when writing.

"Eureka" Weed Killer.
Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

Vaughan's Seed Store,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

NITRATE OF SODA.
FOR GERANIUMS
50 lbs. for \$2 00
WM. ELLIOTT & SONS, New York.
Please mention the American Florist when writing.

Worcester, Mass.

Roses and carnations were in over-supply the last week caused by the exceedingly warm weather. April weddings brought a quantity of good decorative work, the Riley-Higgins decoration by Lange being the most elaborate this spring. Trade in bedding plants is commencing in a satisfactory manner, although the season is late and people are delaying planting in expectation of a late freeze. Plenty of funeral work has kept down any possible surplus in white flowers, and now that bulbous stock is off the card there is little danger of much good stock going to waste. Judging from appearances at the present time there will be about the usual supply of plants and flowers for Decoration day, with plenty of out-of-doors stock, such as lilacs, viburnum, etc., available for coarse work.

The Worcester Conservatories are cutting very fine carnations at present and are considering the advisability of planting some of their rose houses with carnations for the coming season.

H. F. A. Lange will rebuild two of his old houses and has planned for three small houses adapted to growing some of his specialties.

Outside planting has started in earnest. Lange has commenced on 40,000 carnations and C. D. Thayer reports 10,000 all planted.

Hansen & Lundeen, who started a retail flower store just previous to Easter have discontinued business.

H. F. Littlefield has decided not to make any extensive addition to his present greenhouse plant. L.

Cleveland.

Business remains pretty much the same as last week. Cloudy, cold weather has had the effect of shortening up the crop in some lines, but not sufficiently to make any perceptible change in prices. The cold weather has retarded outdoor stock to such an extent that a shortage in cut flowers is looked for Memorial day.

James Eadie has covered himself with glory as a shooter by winning the silver cup presented for competition by the Cleveland Gunclub. His record is forty-eight birds killed out of a possible fifty. It will be well for the cracker-jack shots of Philadelphia to look out for their laurels at St. Louis or something might drop. If can't howl we can shoot.

Jos. Tilson, a member of the Florists' Club, and for many years gardener to Mrs. Hulbert, died of typhoid fever and was buried May 14 in Lakeview cemetery. The heartfelt sympathy of the craft is extended to his family.

Robt. Kegg no longer holds the position of superintendent of parks. His successor has not yet been appointed. The parks under Mr. Kegg's management were a credit to the city.

ECHO.

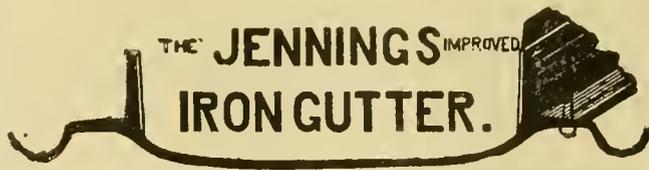
SALT LAKE CITY, UTAH.—J. B. Feldman, formerly with J. C. Murray, of Peoria, Ill., is now with the Salt Lake-Huddart Floral Company, having charge of the greenhouses.

Finds It an Aid.

ED. AM. FLORIST:—I much prefer your paper to others. I have just started growing cut flowers for the New York market, and find your paper very valuable. WM. SIMMONDS.

Staten Island, N. Y.

Use our Patent
IRON BENCH
FITTINGS and
Roof Supports.



IMPROVED VAPORIZING PANS **VENTILATING APPARATUS.**
For Tobacco Extracts, Etc. Send for Circulars.
DILLER, CASKEY & CO., SUCCESSIONS TO **JENNINGS BROS.,**
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

Please mention the American Florist when writing.

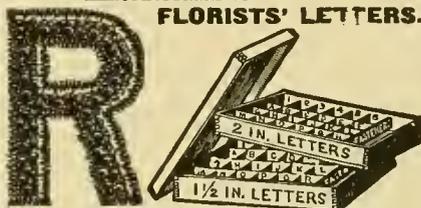


GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF
YOUR GLASS.
DES PLAINES, ILL.
SEND FOR CATALOGUE.

A sample of our Gutter is on Exhibition at the Chicago Flower Growers' Market.
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, 1 1/2 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.

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Write To-Day for Description and Prices on Our

Metal Porch and Window Boxes.

WARREN SHEET METAL COMPANY,
Warren, Ohio.

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THE
AMERICAN FLORIST CO.'S
...Directory
FOR 1904

Hundreds of New Names
and Addresses.

AND contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies, Horticultural Supply Concerns of the United States and Canada, Leading Foreign Houses and much other valuable trade information. Price \$2 postpaid.

AMERICAN FLORIST CO.
324 DEARBORN STREET,
CHICAGO, ILL.



Clara Cemetery Vase

PER DOZ., \$3 50 BOXED.

BWARE OF IMITATION VASES.

Parties infringing on this patent are liable for damages.

VAUGHAN'S SEED STORE,
General Agents. CHICAGO.

SIGMUND GELLER
Importer and Manufacturer of
FLORISTS' SUPPLIES

All new Fall Goods in now. Ask to see the latest, Embossed and Pleated Crepe Paper.
108 W. 28th Street, NEW YORK.

Wired Toothpicks

10,000, \$1.50; 50,000, \$6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample Free. For sale by dealers.

THE **Regan Printing House**
Nursery Seed **CATALOGUES**
Florists' **CATALOGUES**
87-91 Plymouth Place, CHICAGO.

The American Florist

A JOURNAL FOR THE TRADE.

What Advertisers Say

SAME OLD STORY.—AM. FLORIST Co.:—Kindly discontinue our adv. "Bred in Old Kentucky" The Florist is certainly a splendid medium for advertising. The first insertion brought us orders enough to clean us out of cuttings. We enclose \$4.00 to pay for the insertions. When we have more stock will try it again. We were not only highly pleased with the results, but with manner in which you displayed our adv. C. L. BRUNSON & Co. Paducah, Ky.

PLEASURE AND PROFIT.—AM. FLORIST Co.:—Your paper is a weekly source of pleasure and profit to every one connected with this concern, and three copies have been subscribed for by the company for several years—one to my house, one to the greenhouses and one to the store. In addition to that the foreman and one or two of the men each receive a copy. J. A. VALENTINE, Pres. Denver, Colo. Park Floral Co.

THE WHOLE THING.—ED. AM. FLORIST:—We enclose P. O. order for the AMERICAN FLORIST for another year. We consider it the "whole thing." SOUTH PARK FLORAL Co. New Castle, Ind.

Advertising Rates.

\$1.00 per inch, \$30.00 per page of 30 inches. Discounts on time contracts as follows:

- 6 insertions..... 5 per cent.
- 13 insertions..... 10 per cent.
- 26 insertions..... 20 per cent.
- 52 insertions..... 30 per cent.

Space on front and back cover pages sold only on yearly contract at \$1.00 per inch, net.

THE AMERICAN FLORIST CO.

324 Dearborn Street,
CHICAGO, ILL.

Better Than the Others.

ED. AM. FLORIST:—Enclosed is \$1 for another year's subscription to the AMERICAN FLORIST. I have sent for sample copies of three different florist papers this winter but none is up to the AMERICAN FLORIST. C. W. SIBLEY. Athol, Mass.

Standard Flower Pots

The WHILLDIN POTTERY COMPANY,
PHILADELPHIA, PA. JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.
Travelling 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.
Please mention the American Florist when writing.



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.

THOSE RED POTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY,

HARRY BALSLEY, DETROIT, MICH.
Rep. 490 Howard St.
Please mention the American Florist when writing.

RED POTS

SAMPLE POT AND PRICE LIST
ON APPLICATION.

C. C. POLLWORTH CO., MILWAUKEE, WIS.....
Please mention the American Florist when writing.

FLOWER POTS ALL KINDS.

STANDARD POTS SPECIALTY

List and SAMPLES FREE.
SWANN'S POTTERY MFG CO.,
P. O. Box 78. MINNEAPOLIS, MINN.
Please mention the American Florist when writing.

A. HERRMANN,

Cape Flowers, all colors,
Cycas Leaves, Metal Designs,
and All Florists' Supplies.

Send for Prices.

404-412 East 34th St. NEW YORK.

Over \$70,000

Has been paid by the FLORISTS' HAIL ASSOCIATION for glass broken by hail. For particulars address

JOHN G. ESLER, Sec'y, Saddle River, N. J.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser."

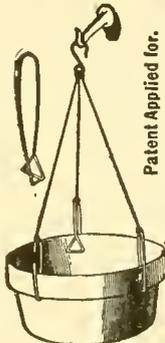
This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c. Money orders payable at Lowdham, Notts.

Address EDITORS OF THE "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England.



Please mention the American Florist when writing.

Kramer's Pot Hangers



THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

Vaughan's Seed Store,
Chicago and New York.
E. F. Winterson Co.,
Chicago.
C. C. Pollworth Co.,
Milwaukee, Wis.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa.

Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.		Price per crate	
1500 2-in., in crate,	\$4.88	1200 7-in., in crate,	\$4.20
1500 2 1/2 " "	5.25	60 8 " "	3.00
1500 2 3/4 " "	6.00	HAND MADE.	
1000 3 " "	5.00	48 9-in., in crate,	\$3.60
800 3 1/4 " "	5.80	24 10 " "	4.80
500 4 " "	4.50	24 11 " "	3.80
320 5 " "	4.51	24 12 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Send 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.

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.

GREEN SILKALINE.

Do not be put off with cheap substitutes.

John C. Meyer & Co.,

80 Kingston St., BOSTON, MASS.

Meetings of Florists' Clubs.

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 third Tuesday of each month, October to March inclusive. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, 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.

BUTTE, MONT.—Montana Florists' Club, Columbia Gardens. Second Friday in each month. S. Hansen, Sec'y, W. Galena and Excelsior streets.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Thursday 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. Murphy, Sec'y, Sta. F., Cincinnati, O.

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, Westpark, O.

DAVENPORT, IA.—Tri-City Florists' Club, Odd Fellows' Hall, Fifth and Brady streets. H. Meyer, Rock Island, Ill., Sec'y.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Sec'y.

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.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Sec'y, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Chas. M. Webster, Sec'y.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Tuesday of each month at 8 p. m. J. F. Coombs, Sec'y.

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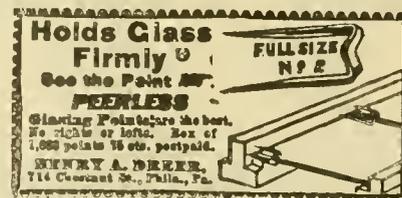
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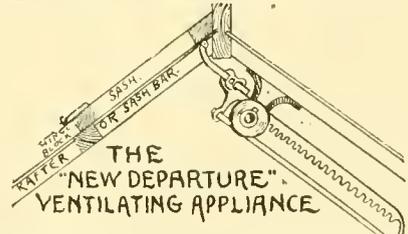


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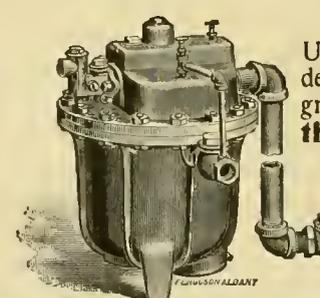


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Vol. XXII.

CHICAGO AND NEW YORK, MAY 28, 1904.

No. 834.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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THE CARNATION.

Solid Beds Versus Benches.

The matter of solid beds versus benches, like the subject of stem rot, is one that seems practically impossible to settle definitely either one way or the other. In Lancaster county, Pa., it is safe to say that two-thirds of the carnations grown are grown in solid beds, and the number grown is no mean item in the country's average. The quality of the carnations grown in these solid beds is fully the equal of those high grade flowers seen at the various exhibitions, in fact I know of some seedlings grown here that are ahead of the cracks shown at Detroit last March. (None of my own, however, and none likely to be placed on the market).

Solid beds are as variable as the men who use them. Some are elaborate affairs that are as costly or even more costly than benches. It is an open question whether or not these beds are preferable to benches. In the writer's opinion they are not. Leaving out the question of cost, where carnations are grown exclusively for the cut flowers, the bench method is the best, the principal point in its favor being that the cut flowers are more under the grower's control. With a good set of huds in December they can be held back the first few weeks and pushed along the last two so as to get the bulk of them in for the holiday market. With proper care and attention forcing can be indulged in on a bench that would be ruinous to a solid bed. Higher feeding can be followed on a bench than in a solid bed because the watering is under better control and a bench can be dried out much quicker and more thoroughly than a solid bed. These two items—feeding and forcing—are very important ones in carnation culture and in some cases decide the matter of profit or loss.

Solid beds are less expensive in construction and the item of repairs is so small that it need hardly be taken into consideration, as it should not be over two or three per cent on the original cost per annum. Another item and a big one in favor of solid beds is the time consumed in watering. In a solid bed with proper drainage a watering every three days in fall and spring is all that is required and in the darker winter months it is not unusual to water but once in two or three weeks, that is a general watering. Of course portions of the bed may need looking after in the interval to see that

they keep a uniform growth and do not develop spots of second class stock. A third item in favor of solid beds is the fact that the plants can be carried over much later in the spring, covering Decoration day and the commencements with much better stock than can be turned out of benches, and where summer flowers are wanted the solid bed is far ahead of the bench. Another point is the increased vigor and vitality of the plants, or, to be more explicit, the stock. This will no doubt be disputed by some growers, but it is a fact patent to anyone who stops to consider that in the solid bed the growth is more even and the root action more natural than it is possible to get on a bench. The nearer you can get to nature with the guiding hand of a good grower the nearer you get to the goal of perfection both in plant and in flower. Flowers properly grown in a solid bed placed alongside of flowers properly grown on benches and kept under the same conditions will outlast the bench flowers by twenty-four hours at least. Cuttings taken from a properly grown plant in a solid bed may not be as large and strong looking as those from a highly fed bench plant, but they have the vitality that counts and will make the best plants for next winter's crop. Some of the older sorts that are played out with bench growers are not only grown by solid bed growers but better results are obtained from them than in the first years of their introduction, an impossible feat with bench propagated plants.

The construction of the solid bed is a matter of local conditions. We Lancaster county fellows have subsoil that is perfect, or nearly so, in drainage and all we have to do is to level off a plot of ground, build our house over it and lay it out in beds, using a 6-inch board for sides to the paths and filling in the dirt or soil used for planting. In this style of a house the only expense is the cost of the 6-inch lumber and some stakes to stake up the boards. Compare this in cost and repairs with a bench and you can easily see that we can well afford to lose the few advantages a bench possesses over solid beds in the matter of cut flower returns. This style of solid bed will not appeal to the man with a lazy back as it means considerable stooping from the day the planting is done until the plants are thrown out in the summer. This can be overcome by a trifling addition to the outlay by digging the paths out to the depth of two feet six inches and adding two one-foot boards to the outlay. When the subsoil is of a clayey nature so it will

not drain naturally you must resort to artificial drainage by digging the bed itself out to the depth of fifteen inches and filling it in with broken stone, cinders or any drainage material you may have to hand, allowing eight inches of soil for planting in. Where artificial drainage is not needed then five to six inches of soil for planting is sufficient. The man who digs out a bed to the depth of three feet and puts in elaborate drainage with air chambers and other costly ideas had better grow his carnations in benches and buy of the new seedlings as they come out to keep his stock up to the proper degree of health and vigor. As stated before, where the cost of construction and maintenance is any where near what it is in Lancaster county, then use solid beds by all means and make money by the operation. Where the cost is about equal or nearly so then use benches every time.

Considerably more care and judgment is needed for solid bed culture than for benches, one of the first things to watch being care in watering. A solid bed needs less water than a bench but will suffer almost as quickly from a lack of it. High feeding must be guarded against and yet care used to see that the plant does not suffer from lack of the proper elements in the soil. Forcing by increased temperature should never be indulged in as it is sure to bring weakened plants, weakened flowers, that will not ship, and weakened stems that will not hold up the flowers. There is a little (a very little) less danger from stem rot in the solid bed than there is in a bench, providing the plants have not brought it with them from the cutting bed (which is the case ninety-five times out of every hundred) and providing the watering is in the hands of an

expert. Where the plant has been inoculated with the stem rot fungus in the cutting bench it only needs the proper conditions to develop it and to kill the plant whether in the field, the bench or the solid bed. All soils contain this fungus to a greater or lesser degree. Sod soil contains much more than soil that has been under cultivation for a year or two, so we never use any sod soil for our houses. This fungus apparently lies dormant or semi-dormant in the soil under conditions that are nearly perfect for carnations, but vary these conditions ever so little, in watering and feeding especially, and you are encouraging stem rot. Let the soil have the faintest suspicion of sourness from overwatering and you will have trouble. Fill it with such an excess of fertilizer that the plants can not possibly take it up and you will have trouble again. I am here speaking of the stem rot that takes the whole plant at one time, not the sort that eats it up branch by branch. That is a different proposition entirely.

The carnation is a water loving plant and you will get the best results from well watered beds, but an overwatered solid bed is almost beyond repair. Here the bench has the advantage, as a bench can be dried out in a reasonably short time, but with a solid bed it is almost impossible. Several years ago I had the misfortune to overwater a house of Crocker (solid beds) early in the season, and such a sorry looking house I never want to see again. The plants simply stood still and for about three months the income from 6,500 plants was \$4 to \$6 per week. On a bench these could have been brought back to normal conditions in less than a month. At another time I was too kind and made my soil

entirely too rich with manure. The consequence was that it took several months to get the plants into good working shape. In this case I do not think the bench would have had any advantage over the solid bed unless it had been one of those leaky affairs that lets all the richness of the soil wash through.

We are planting our houses now in the hottest time of the year, and carnation roots, loving as they do a cool, moist soil, will find it better in a solid bed than they will in a bench. They will start off quicker and with more vim in a solid bed, bringing high grade flowers six to eight weeks after planting, all conditions being right. Stems will average longer and stronger in solid beds than in benches all the season through. Visitors often ask us solid bed growers how we get such fine, long stems, and to tell the truth and give the secret away there is no such thing as getting them. The roots simply go down and the stems go up. Summing the matter up, it stands about as follows: The cut flowers will average up about equal, if anything slightly ahead on the solid beds for the season—October 1 to July 1—but from December 1 to March 1 you will cut from the solid beds from ten to twenty per cent less flowers than you would from the same space benched. The question simply rests on this point—whether it pays best to lose the difference in the cut for these three months and save the expense of benching or to bench and get the extra cut of flowers. These comparisons are made, of course, on the presumption that both bench and solid bed are in good condition and the plants doing their best, the ordinary bench and solid bed being used as a criterion and not the elaborately constructed beds and benches, subwatered, ventilated and bound to bring results that we ordinary mortals can only look on with admiration and envy.

By the way, do you know it takes considerable engineering to make money out of carnations? Just keep a fair record of expenses and returns from June 1, 1904, to June 1, 1905, making a liberal allowance for all labor, both outdoors and in the houses, a six per cent interest on the money you have invested and four per cent additional for wear and tear on houses, boilers, tools, etc. This record may do you some good.

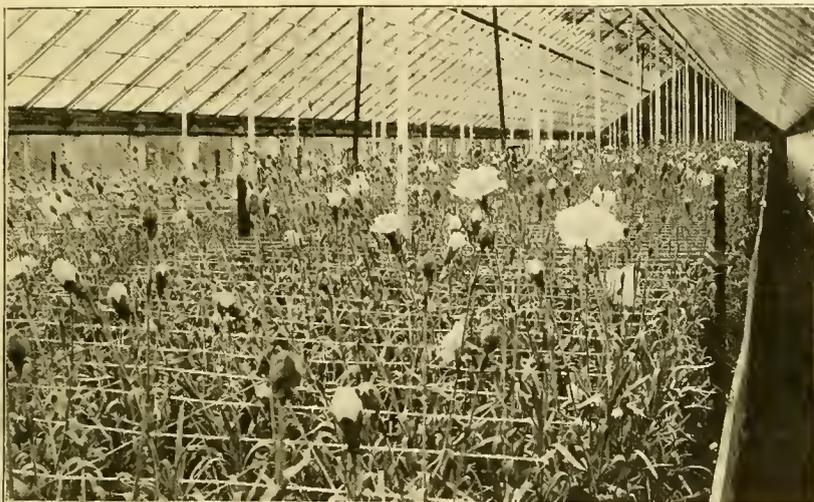
ALBERT M. HERR.

The Sleepy Enchantress?

Having read and heard, but not witnessed so much about the beautiful Enchantress "sleeping," I thought it would not more than justify this variety to give our experience. We only have a small space, probably 200 in this variety, and with us it is second to none in productiveness, keeping qualities, and the price realized. We have kept them easily over ten days, and they would have kept "awake" a good while longer, had they not caught the eye of some lover of this beautiful variety. Not only our own grown have had such keeping qualities, but we have had shipments from the J. D. Thompson Carnation Company, which really astonished us. Now, can any of your readers explain why this is? Is it feeding to excess that causes them to sleep, or are they allowed to open too far? We very seldom feed. Probably we would feed more if we had the time, but would rather sleep this time ourselves than to feed to excess, and then find the carnations and ourselves all sleeping. We find that by cutting them a little



CARNATION FRED BURKI.
(Front view, full size.)



CARNATION FRED BURKI, AT JOHN MURCHIE'S, SHARON, PA.

over half open, they open and last very nicely. There is nothing that has taken so well in this market for many years and we expect to plant all we can find room for. I had no special reason for writing these few words, but we would like to know why the big fellows can't succeed, while the "farmers" are "right there with the goods." I trust that some grower can solve this problem in the near future.

FRED LOUIS SCHULZ.

Carnation Fred Burki.

The new variety, illustrated herewith, was raised by John Murchie, of Sharon, Pa. It is a glistening white with a faint streak of pink which can not be noticed two feet away and fades out by the time the flowers are ready to cut. It is a cross between Mrs. Lawson and a seedling and very fragrant. It is said to be a fine healthy grower and that every shoot makes a flower, the plant producing continuously. The stems are from twenty to thirty inches in length, strong and erect. Mr. Murchie claims it will give more good flowers than any white he has ever grown or seen grown, and that it will not produce them in crops, but gives a steady cut from November to July. Fred Burki, of Allegheny, Pa., after whom it is named and who is growing it extensively, believes it to be worthy of every consideration.

American Carnation Society.

DEPARTMENT OF REGISTRATION.

The name of Carnation Marie Louise Thompson, registered by C. W. Ward, Queens, N. Y., has been changed to Rachel Marie Thompson.

The carnation reported registered under the name of Dr. Seessel should be Seessel.

The following varieties have been registered by the Cottage Gardens Company, Queens, N. Y.:

Robert Craig (Ward), color brilliant scarlet, size three and one-half to four inches, habit strong and similar to Lawson, an early and free bloomer, stem twenty-four inches and long from the start, calyx perfect and color does not fade, keeping and shipping qualities as good as the best.

Ethel Ward, color clear pink, double full flower of good size and borne on long

stiff stems, exceptionally fragrant and a good keeper and shipper, habit similar but stronger than Harry Fenn, a free bloomer.

Alma Ward, color white, a huge perfect formed bloom, four inches in diameter, with perfect calyx and strong stem and very fragrant, growth exceptionally vigorous, the flowers having a slight flushing of pink at the base of the petals.

Marie Louise Thompson, color beautiful rose pink, flowers three to four inches in diameter on three to four foot stems, calyx perfect, the petals without any fringe, the flower being near the English ideal of a round petaled bloom.

Dr. Seessel, color clear white with at times a slight blush tint at the center of the flower, edge of petals delicately fringed and dotted with bright soft pink, blooms three to four inches on long stiff stems, form and calyx perfect.

The following variety has been registered by Davis Bros., Bloomsburg, Pa.: Mary Albert, color pure white, a large bloom on a long stiff stem, an early and continuous bloomer and does not burst at any time of the year, and extra good keeper.

ALBERT M. HERR, Sec'y.

CHRYSANTHEMUMS

Good bench chrysanthemums can be had from cuttings struck June 1.

Chicago Chrysanthemum Show.

The preliminary premium list of the Horticultural Society of Chicago's fall exhibiton has been issued. There are some important changes noticeable from the list for the show of 1902, the number of classes being reduced and in certain cases the prizes are materially increased. The four classes for light and dark pink and light and dark yellow cut chrysanthemums with Vivand-Morel and Major Bonnafon as color standards are retained with the usual classes for other colors. For the best 100 blooms \$50 and \$40 are offered, and for the best 100 blooms, none to exceed four inches in diameter, \$30 and \$20. For the best three standard chrysanthemum plants not less than 30-inch stems, \$50 and \$40 are offered, and for the best five standards, not less than 12-inch stems nor more than 24-inch, five varieties, \$40 and \$20. Prizes of



CARNATION FRED BURKI.
(Back view, full size.)

\$35 and \$25 are offered for the best group of plants.

For cut orchid blooms, best collection, \$40 and \$30 are offered: for the best collection of orchid plants, \$40, and for the best fifteen geranium plants, one variety, not over 10-inch pots, \$40 and \$25. Liberal prizes are offered for other miscellaneous plants.

For the best fifty American Beauty roses, \$50, \$35 and \$20 are the prizes, for the best seventy-five Liberty \$35 and \$25, and for the best 100 Golden Gate, Bride, Bridesmaid, or any other variety, \$20 and \$12 each. The best twelve blooms of a rose never before shown in this country will win a silver cut worth \$25.

Carnations are favored with the usual classes for standard varieties and eight special classes each for 100 blooms of a certain color, with prizes of \$10 and \$7. A sweepstakes is provided to be won by the best 100 blooms entered in these special classes, \$10 and \$7 being added. Seven classes and a sweepstakes for seedlings, twenty blooms, are provided, each with a \$10 prize. The same is done for seedling chrysanthemums. Violets and horticultural novelties are provided for.

Copies of this list may be had on application to Assistant Secretary E. A. Kanst, 5700 Cottage Grove avenue, Chicago.

Housing the Show Chrysanthemums.

The chrysanthemum plants that are expected to produce cut blooms for exhibition or for extra high grade commercial work should be gotten into their permanent quarters with as little delay as is possible from this date on. The proper allowance of head room is one of the

most important points that we have to take into consideration when figuring on the benches to carry this early planted stock to success. A majority of our most telling exhibition varieties are tall, rank growers, and eight feet is the least head room from the top of the bench to the glass which they can get along with for their proper development. Another extra two feet would be a great deal better for them. This height is based on the assumption that at planting time the young exhibition stock consists of vigorous, healthy plants in three or four-inch pots in a good growing condition, which have been potted along as they have required it, and which have not at any time been allowed to get hard or woody. If it is necessary to plant part of the stock in different sizes or from later propagations to take care of some new or rare production, do not plant these side by side with the earlier propagated plants, but give them a place, if possible; on a bench by themselves. They will get along with less head room, and there will not be any danger of them being overgrown by the larger plants. A lot of trouble and worry can be saved by grading the varieties according to the height attained by each and planting the different heights in sections by themselves. A bench with eight feet of head room will carry the following list of varieties successfully:

- | | |
|-------------------------|----------------------|
| Col. D. Appleton. | Timothy Eaton. |
| Henry Barnes, | Mrs. T. W. Pockett, |
| Mrs. E. Thirkell, | Yellow Eaton. |
| Mrs. W. B. Chamberlain, | Mr. T. Carrington, |
| Golden Wedding, | Lavender Queen. |
| Mrs. F. A. Constable, | Thos. Humphreys, |
| Hero of Mafeking, | Mme. Paolo Radaelli, |
| Mme. E. Nicoulaud. | |

The list which follows names plants that can be given with success a bench with six feet of head room:

- | | |
|----------------------|--------------------|
| Mrs. Coombes. | Allice Byron, |
| Mutual Friend, | Mme. Von Andre. |
| Wm. Duckham. | F. A. Cobbold, |
| C. J. Salter, | Gen. Hutton, |
| Vivian-Morel, | Chas. Davis, |
| Mrs. Barkley, | Kate Broomhead, |
| H. W. Buckbee, | W. R. Church, |
| W. A. Etherington, | Pantia Ralli, |
| Mr. T. Longley, | Chas. Longley, |
| Leila Filkins, | S. T. Wright, |
| Mrs. Henry Robinson, | Mrs. Jerome Jones, |
| Yellow Jerome Jones. | |

And, again, another list of still dwarf varieties can be made up as follows:

- | | |
|---------------------|------------------|
| Nellie Pockett, | Cheltoni, |
| Loveliness, | A. J. Balfour, |
| Brutus, | Ivory, |
| Pink Ivory, | Major Bonnaffon, |
| H. J. Jones, | Don McLeod, |
| Mrs. J. R. Trantor, | Casco, |
| Mlle. Marie Liger, | Columbia, |
| Convention Hall, | Quo Vadis, |
| M. Chenon de Leche, | Merza. |

These are all extra fine varieties for any purpose, and will amply repay any extra care that may be bestowed on them. But take any of these dwarf growers and plant a small number between tall growers like Timothy Eaton or Golden Wedding, and the tall varieties outgrow them, preventing them from getting sufficient light and air for their development.

When selecting your varieties, especially the ones you intend to grow quite a number of for exhibiting in large vases, it will be well to figure that many of the fine things quite rare last season will be grown more largely this year, and it is safe to say that some of them will set the pace, particularly in the pink and red classes. In yellow and white Col. D. Appleton, Yellow Eaton and Timothy Eaton will still be factors right up at the front. In pink Dr. Enguehard, Wm. Duckham, F. A. Cobbold, Leila Filkins, W. A. Etherington and Miss Olive Miller make a big six in new pinks, though some others, like Silver Queen, Col. Baden

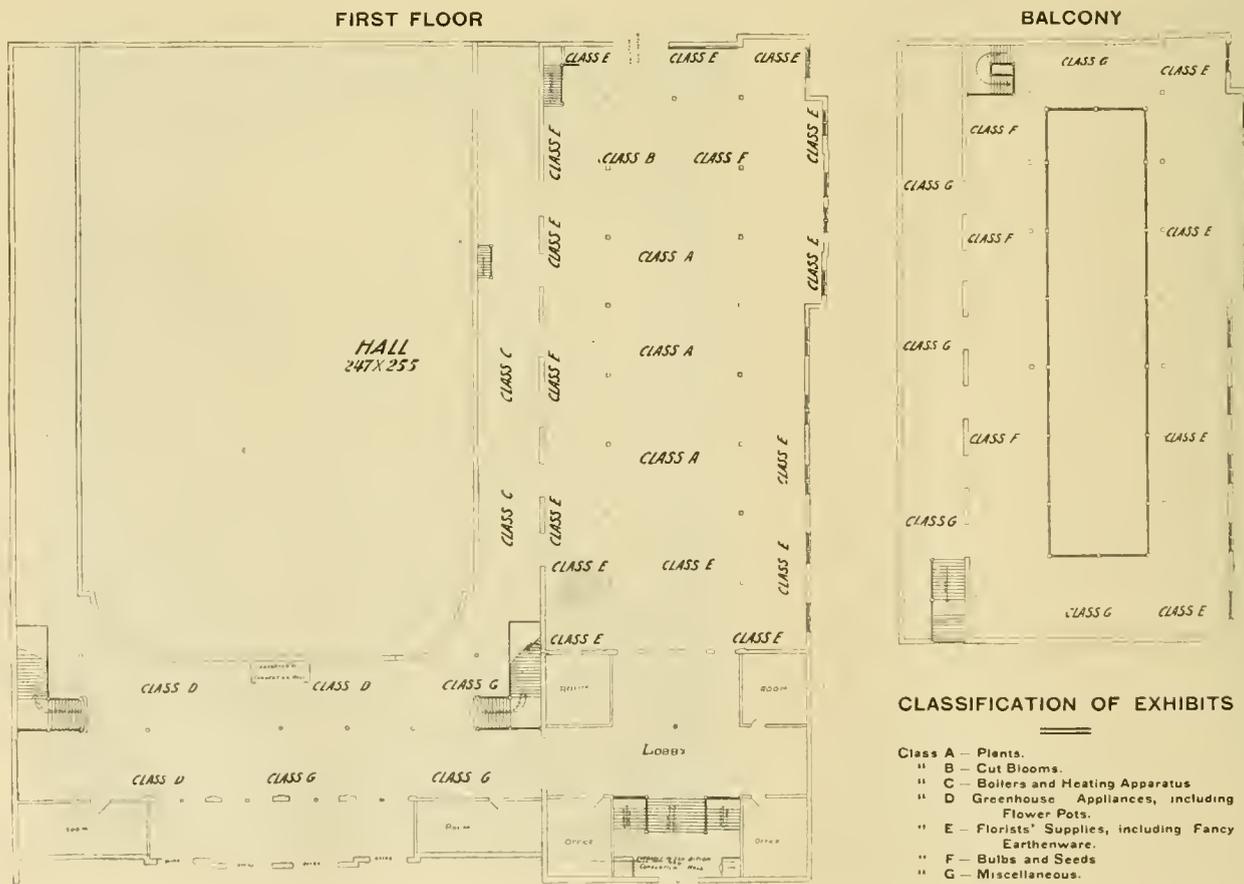


DIAGRAM OF THE S. A. F. EXHIBITION HALL, ST. LOUIS, MO.

Powell, Mrs. Barkley and Mlle. Liger, not quite so new, but still very telling varieties, are likely to be heard from. In reds and colors that come under the head of any other color, we are getting some of the largest exhibition sorts; therefore these classes will be particularly well taken care of. Thos. Humphreys, S. T. Wright, Maynell, Lord Alverstone, Lady Roberts, Lord Hopetoun and Henry Barnes are all big advances over a few years ago in the red class. And the same can be said of Donald McLeod, Quo Vadis, Ethel Fitzroy, W. R. Church, Gen. Hutton, Lord Salisbury, Harrison Dick Henry II. and Mrs. T. Longley in the any other color class.

Give the house a thorough good cleaning out, repair any of the benches that require it, then give them a good hot lime wash on the inside; also, see that there is ample drainage. We are then ready for the soil. This should be a good, live soil, with one part of well rotted cow manure to three parts of soil, with a good sprinkling of bone meal thoroughly incorporated with it just before planting. These early planted chrysanthemums will require a deeper soil than those planted a month later, so we figure to give them about seven inches to grow in, making it as firm as possible and setting the plants 10x12 inches apart, growing to single stem. Do not set out any plants that are dry at the roots; neither soak them with water just before planting. Should it be necessary to water any let them drain for a couple of hours before planting them out. After planting, water directly around the plants for a few days until the roots begin to take hold of the new soil. From then on they must never be allowed to suffer for the want of water, and every day, according to the weather, they should have ample syringings, with all the air and light that the house will allow.

C. W. JOHNSON.

World's Fair Notes.

The exhibits in the Horticulture building up to the present time have consisted almost entirely of apples which had been preserved in cold storage, and of fruit and vegetables in antiseptic solutions. A few states have made exhibits of pears, and New York has made a splendid showing of grapes of some five or six varieties. The Vergennes, in particular, has been very fine. Fresh fruits are now being received. Strawberries have been exhibited by Texas, Louisiana, Tennessee, Arkansas and Missouri. Several states have sent peaches and plums, and Tennessee and California have exhibited cherries.

Visitors should not fail to examine the Japanese garden, which is on the hill just south of the Machinery hall. It is an excellent example of Japanese landscape art. Several large wisterias, which are in full bloom, make it especially attractive at this time. It also contains very fine specimens of Japanese maples, sciadopitys and many dwarfed evergreens.

President G. C. Creelman, of the Ontario Agricultural College, and Prof. John Hamilton, farmers' institute specialist of the United States Department of Agriculture, were here on Monday of this week making arrangements for a meeting of the American Association of Farmers' Institute workers to be held in the Agriculture building in October.

The large collection of rhododendrons exhibited by J. B. Wild & Brothers, of Sarcoxie, Mo., which is located northeast of the Agriculture building, has been



FIVE GENERATIONS OF THE PHIL. HAUSWIRTH FAMILY AT CHICAGO.

in bloom during the past week. It contains many fine varieties, and considering the fact that they have only been planted about a month, they are making an excellent showing.

Prof. S. B. Green, horticulturist of the Minnesota Experiment station, has been busy in the Educational building during the past week arranging the horticultural exhibit in the section of agricultural colleges and experiment stations. He will return later as one of the jurors in the horticulture department.

A high iron fence has just been completed along the east side of the French reservation. Among the attractive features of the French display are several hundred examples of espalier training. The apple, pear and other trees have been in full bloom, although many of them are little more than one foot high.

Samuel H. Dixon, chief of the Texas horticulture exhibit in the Texas State building, has given away since last Monday 200,000 cape jasmine buds to visitors coming to the Texas building. These buds are being shipped in boxes from the interior of Texas.

Several of the large beds east of the Horticulture building have been planted with cannas and dahlias by Supt. Hadkinson. Most of them are exhibition plants furnished by various florists.

A large collection of cacti from Mexico is being placed just west of the Agriculture building. It contains several thousand specimens of cereus, echinopsis, mammillaria and echeveria.

The water garden south of the Horticulture building has been planted with a fine collection of nymphæas, nelumbiums and other aquatics exhibited by George Richardson, Ohio.

C. and M. Wild, of Sarcoxie, Mo., have staged eight vases containing sixteen varieties of peonies. All of them are named sorts, and most of them were very attractive.

Mexico has filled several tables with a collection of tropical fruit, including lemons, oranges, bananas, pineapples, cocoanuts, mangoes and mammee apples.

William Galloway, of Philadelphia, Pa., has a very fine exhibit of vases and other garden and lawn ornaments.

A large collection of garden tools and horticultural supplies is being opened by J. D. Tissot, of Paris, France.

Louisiana has made a fine showing of palms, ferns and other greenhouse plants in the conservatory.

Best Direction For Houses.

ED. AM. FLORIST:—A year ago I built a greenhouse parallel with our street, which runs northeast. In the afternoon the sun strikes the house slantingly and the sash bars, which are sixteen inches apart, throw a shade which makes the house a little dark. I have everything in the same house—carnations, chrysanthemums and bedding plants—but roses will not grow in it. When making additions how had I better make the houses run?

F. S. W.

While I have never liked an oblique angle for rose houses, I am surprised at the poor success reported. It may, perhaps, be due in part to other unfavorable conditions. Unless modified by some local condition, there will be little choice between running the houses east and west or north and south. If the former direction is taken, it will be advisable to erect three-quarter span houses, while those with an even span can be used where the houses run north and south.

L. R. T.

NEW CASTLE, IND.—Herbert Heller, of the South Park Floral Company, and Miss Mary Smith of this city will be married June 1. They will go on a honeymoon tour through the east.

THE RETAIL TRADE

A JAR of purple irises, and nothing else, in the window makes a show superlatively effective. The iris is "the poor man's orchid."

A PRETTY feature in a New York florists' window decoration last week was a vase of double-white flowering peach with cut sprays of the red-leaved Japanese maple.

Now is a good time for special window displays. For some weeks the well-stocked herbaceous garden will furnish abundant material. The best effect is made when the show is confined to one sort of flower as, for instance, Oriental poppies, or columbines, peonies, Ghent azaleas, foxgloves, etc. The less foreign material shown with these things the better. *Adiantum cuneatum* in pots, however, makes an excellent bed in which to set a vase of German iris and many other things will also be found to harmonize with the *Adiantum* when so used.

An Eastern Wedding Decoration.

Our illustration shows a very pretty and effective wedding decoration at Grace Episcopal church, Newark, N. J., by A. Begerow, successor to Begerow & Gerlach. The ceremony which took place on April 14, 1904, was private, being witnessed by only fifty guests, and the large palms, the principal groups of which do not appear in the picture, were used to screen off the unoccupied area. The baptismal font, which is not visible, was adorned with a group of *Cibotium Schiedeii*. On each pew end was a bunch of longiflorum lilies tied with satin ribbon.

Orange Blossoms.

Authorities speak of the use of orange blossoms at weddings as due to the fact that the orange tree, bearing its ripe golden fruit and fragrant flowers at the same time, is a symbol of fruitfulness, and this, we may take it, is the main reason of the pleasing custom.

In Crete the bride and bridegroom are sprinkled with orange flower water, and in Sardinia oranges are attached to the horns of the oxen which draw the nuptial carriage. Dr. Brewer says that Saracen brides carried orange blossoms at weddings, and suggests that our modern custom is a survival or revival of theirs.

The custom appears to have been introduced from France into England about 1820-30. According to Littré, "women at their marriage wear a crown of orange buds and blossoms; hence the orange blossom is taken as a symbol of marriage."

In "Vanity Fair" Thackeray speaks of orange blossoms as "touching emblems of female purity imported by us from France." This happy thought, however, is merely a fancy of his, for orange blossoms, according to French scholars and writers, simply indicate that "mademoiselle" has attained the status of "madame."

STERLING, ILL.—The Sterling greenhouses have been sold by F. A. Belt to Robert Lundstrom, of Oconomowoc, Wis. Mr. Lundstrom will take possession June 1. Mr. Lundstrom has been for eight years connected with the DuPee houses in Wisconsin as manager. He makes a specialty of landscape gardening. Mr. Belt will take a trip through the west for the benefit of his health.

New York.

Rarely, if ever, in the history of the cut flower business has this market been so completely overwhelmed with flowers of all classes as at the present time. In all the wholesale markets roses and carnations are heaped high on the counters, the ice boxes are packed to the doors and on top of it all wagon loads of boxes are continually arriving from the growers, for which it seems almost impossible to find storage room. The hot weather of the last few days has brought the crops, indoor and outdoor, along at a tremendous rate, and at the same time has ruined the quality of much of the stock, roses being especially affected. Decoration day over, it will not be long before the growers, disgusted with the meager returns under present conditions, will be throwing out and replanting, and then with the renewed activity in the line of weddings, graduations, steamer departures and the like, we may look for a complete reversal of the situation. But for the present, things could hardly be worse. Even the street peddlers are utterly devoid of ambition, and no offer seems low enough to tempt them to an investment.

A visit to W. H. Siebrecht, of Astoria, N. Y., last week, found that industrious gentleman surveying with critical eye a field of luxuriant peonies. He remarked naively: "There's money in peonies." *P. tenuifolium* was just opening its flowers, the singles a little ahead of the doubles. *P. officinalis* looks as though it would not be in for Decoration day, but this does not worry Mr. Siebrecht, as this flower is always a good seller. Cold storage lilies are being potted up now and will take the place recently occupied by the spring flowering bulbs in the houses, to be followed later by the chrysanthemums and poinsettias. The last stragglers of the Easter crops of *Harrisii* lilies are now blooming, a practical evidence of the irregular mixtures of varieties now sold under this name. These late bloomers are of fine substance, tall and prolific. Mr. Siebrecht keeps a large number of longiflorum potted and plunged in frames through the winter, protected by glass and a covering of salt hay. A lot of these were brought in at Easter, the sprouts being started a couple of inches and they are now well set with good-sized flower buds. W. H. Siebrecht, Jr., has completed his studies at the New York law school and emerged with his diploma as a full-fledged lawyer. He sailed for Europe in company with his mother on the steamer Rotterdam for a three months' rest before going to work at his profession.

An elaborate programme is being prepared for the annual outing of the Florists' Club and the outing committee including Wm. Elliott, chairman, J. A. Shaw, secretary and Chas. Schenck, treasurer, is holding the publication back from press for a few days for the accommodation of tardy advertisers or those who may wish to announce additional prizes for the various athletic games. All who intend to avail themselves of this excellent medium for publicity are urged to apply at once to any of the above named gentlemen.

The retail trade here gives evidence of a very kindly disposition toward the Scott fern, which, as soon as it is disseminated, they expect to use in large quantities, for their retail trade and in decorative work. The universal impression among these quick-witted men seems to be that for their purposes the fern will be a prime acquisition.

The auction rooms have been densely packed with buyers during the past two weeks. Louis Schmutz, who is an enthusiastic shipper to the auctions, was in special glee last Tuesday over the sale of a box of his cactus dahlias at \$1 a plant. As they were from cuttings struck in March he has good reason for his elation. Mr. Schmutz pronounces King Humbert to be the finest canna up to date.

Cattleya gigas is the choicest thing in the flower line in this market now. The best blooms bring 60 cents, which is a good price, considering the season and the limited call. Young & Nugent are receiving specimens of unusual size and perfection, sometimes five or six flowers on a spike.

Robert Scott, gardener for R. S. White until the death of Mr. White in an automobile accident last March, and since gardener on the Goddard estate, Roslyn, died two weeks ago, aged 42 years.

The sixth annual outing of the George M. Stumpp employes is scheduled to take place at Eckstein's brewery, Staten Island, on July 6.

NOTES.

Snowballs and deutzias are to be seen in large quantities. Lilies are not selling as they did last year, when prices ranged 8 to 10 cents a flower. At the present time 3 to 4 cents a flower is about the prevailing price, but they might advance for Decoration day. Snapdragon is selling poorly as also are daisies, stocks, mignonette, parrot tulips, poeticus, pansies and a host of other flowers.

Sweet peas are in the market in enormous quantities and very small prices are realized. There is also extra fine outside lily of the valley. A French variety can be had in excellent quality for \$1 per 100; common grade, 25 to 50 cents per 100. Tree peonies bring 50 cents a dozen, Lilac is about over. Carnations are away down in price and the same can be said of roses.

Steamer orders are very numerous. The Kaiser Wilhelm der Grosse, which sailed on May 24, and which had many notables aboard, including Gov. Odell, called for many flowers. On the dock boxes and baskets from loved ones could be seen in countless numbers, also some very pretty designs from some of the Broadway stores.

George Schumacker, a brother-in-law of Philip F. Kessler, and who was employed by Frank Millang, was sent out with an order last Monday morning at 9 a. m. and has not been heard of since. Any information that may lead to his whereabouts will be thankfully received.

The residence of W. A. Manda at South Orange, N. J., was gutted by fire on the night of May 18. All the furniture and paintings were totally destroyed, among the latter being many highly valued flower paintings.

A. J. Tharp, of Bedford Station, celebrated his silver wedding anniversary last Friday. Over 200 guests were present with congratulations and beautiful gifts.

A sale this week of Japanese dwarfed trees and garden curios at an up-town auction room brought very low prices.

Charles Smith has pink tree peonies grown by Theo. Ehrhardt, of Woodside, L. I. They sell rather poorly.

Traendly & Schenck are receiving some excellent sweet peas which are at least twelve to fourteen inches long.

The New York Cut Flower Company will close its salesroom daily at 3 o'clock on and after June 1.



A WEDDING DECORATION AT NEWARK, N. J.

(By A. Begerow, successor to Begerow and Gerlach.)

J. M. Thorburn & Company have secured judgment against E. B. Dunne for \$762.

L. J. Kreshover and wife are planning an European trip about the middle of June.

Julius Lang, of Thirtieth street, was strong on Perle roses this week.

Wm. H. Siebrecht of Astoria, L. I., has some red peonies of the Japanese variety.

Visitors this week were Arnold Ringier, Chicago; Robert Edgar, Waverly, Mass. P. J. K.

Chicago.

The week before Memorial day, the last "big" day of the season for the florist, finds the market in a most unsatisfactory and discouraging condition from the point of view of not only the wholesaler and retailer, but from that of the grower and buyer as well. What promised to be a very gratifying business week a week ago, when the weather held firm, has developed into a week unprecedented in the annals of the local flower business at this season of the year. Those who know the signs and who have been in business here for ten or more years say that it has been the worst week in point of total sale values and prices ever experienced. The particular feature of this week's market, however, lies not so much in the demand or prices paid for the goods as it does in the endless glut which is now reigning in practically every line

of cut flowers. The weather coming in warm and summer like the early part of the week spoiled all hopes of a stiff Decoration day market, as it sent in the stock by the thousands, and every dealer is crowded to his very doors with bursting roses and sleepy carnations. The roses, with few exceptions, are of inferior quality, being loose, open and generally off color and much mildew is noticed. The load of roses sent each morning to the dump is surprising, and the street men and Greeks are carrying them away by the armfuls. There is some consolation in the thought that Decoration day time calls for low prices, however, as the people are not looking for choice stock at this time, and inferior goods are taken as readily almost as the better grades. American Beauty, long stem and medium, is holding to its standard fairly well, but other roses do not come in with good quality. Carnations are more than plentiful, with quality of an indifferent character. Sleepiness is one of the troubles just now bothering the dealers. The market is thoroughly stocked with Southern goods, such as peonies, cape jasmines, etc., and prices in these lines promise not to hold up to the quotations predicted several weeks ago. Lilac, outdoor especially, is nearly a glut. One person was seen on the street the early part of the week with a hay wagon full of it, which he disposed of at 4 and 5 cents a bunch. The local retail situation has improved slightly

over last week. Weddings are beginning to cut a figure and several orders helped some this week.

William Kroeschell, of Kroeschell Brothers Company, has been spending several weeks at the Fair in St. Louis, superintending the installation of several Kroeschell boilers in various exposition buildings.

The George Wittbold Company has a new branch retail store in Evanston at 701 Dempster avenue. Business has opened encouragingly at the new place and it promises to be a good field.

The premium list of the fall show of the Horticultural Society of Chicago has been issued, a synopsis of which will be found in another part of this paper.

Messrs. Kohlebrand, of E. C. Amling's and Loveliner, of the Consumer's Floral Company, spent several days last week in Cincinnati, O.

E. F. Winterson Company is showing a great line of large Belgian palms, which were received this week.

Michael Winandy is well supplied with choice outdoor lilac for Decoration day demands.

A. L. Randall Company's entire force is taxed with a heavy shipping business. Long stem American Beauty roses are seen in fine quality at E. C. Amling's.

P. J. Hauswirth has had a good week of wedding and dinner decorations.

George Reinberg's planting out operations have been completed.

Sinner Brothers report a good spring shipping trade.

J. B. Deamud reports a good run on outdoor lilac.

Philadelphia.

There is a growing absence of demand which more than keeps pace with the slackening speed of the grower, as it generally takes him about a week to find out the true state of things. Still, while all branches complain of the stagnation it is with an "it might be worse" air, and all seem in a measure satisfied with the rapidly closing season. Stock is as usual for the time of year. Peonies are coming in both from the south and local points, 75 cents to \$1 per dozen being the price. There is also an abundance of shrubbery. Stonhedge, H. H. Battle's farm in Delaware county, is sending it in by the wagon load; it is fine and in good variety. Snapdragon is now recognized as one of the staples and is to be found in stock at this season in all the stores at 50 to 75 cents per dozen. Sweet peas are now, next to orchids, the flower for the corsage. They are plentiful and fine. Carnations are still a factor, but their popularity is waning, so is the price, \$4 being now high for the very best, while \$1.50 buys the best medium grades. Roses are still good, but feeling the heat and showing it as well. Best Beauties bring \$1.50 per dozen and some teas \$6 to \$8. All the above figures are for gilt-edged stock, for a day old or quantity lots. Ed Reid says: "They can black-guard the commission men all they like, but who but they built the business up, and what would it do to-day without them?" The credit for the large ranges of greenhouses seen on every side in the suburbs of any large city belongs to them. They gave the growers an outlet for their stock and placed their business on such a basis that they could count on a reasonable demand at all seasons of the year.

Notice the difference in the packing of boxes of flowers that are received and those that are shipped from a commission house. This is the result of experience gained by hard knocks. If things are not received in the best of condition at their destination the result is disastrous, and every precaution is therefore taken by the dealer to have his goods delivered in the best possible shape so as to hold and further increase his trade. It is these and other expert business methods that have built up the large shipping trade in all parts of the country and which have resulted in the great increase of the last fifteen years.

Geo. M. Moss, the well known commission salesman, has joined the forces of Geo. C. Watson, seed and bulb importer, and will represent that establishment among the outside customers. Mr. Moss has an excellent reputation as a first-class salesman, and his genial personality and business tact and energy will no doubt do wonders pulling business the Watson way. If any of George's friends, and they are legion in all parts of the country, have any loose orders lying around now is their chance to show their appreciation of his many good qualities in a way that would be received with distinguished consideration.

Growers are getting ready for next season, throwing out and cleaning tables of old stock and planting anew. Joseph Heacock has already planted three houses with Beauty roses and will soon have some more under way. His palms are

the picture of health, the kentias and arecas being particularly fine. Large numbers have been shipped lately, but sturdy stock has been shifted in and the houses seem as full as ever.

The authorities are still at sea as to who is responsible for the wound that caused the death of George Kruger, of Narberth. They believe it was dealt to him within a few feet of his own door, but are as yet unable to find the guilty party.

H. C. Geiger, of the Floral Exchange, has been on the sick list, but is now better. The sales at Edgely have been very good for the last month.

Pennock Brothers had a great run on their forget-me-not hampers and baskets. They were attractive and very tastefully arranged.

Charles Bond has succeeded Alphonse Pericat as head orchid grower to Mrs. George W. Wilson.

Leo Niessen has been receiving a fine stock of southern peonies.

S. S. Pennock had some beautiful catleyas the last week.

K.

Boston.

This week has started off with a considerable show of activity. Growers are already anticipating Decoration day and are retarding such material as will bear it. The country retail trade are also anticipating the same and are keeping the wires and mail in active use seeking quotations or placing orders on material that they shall require. Probably nowhere else is this holiday so generally observed or so much money expended for flowers for the occasion as in the New England states. No town is so obscure that it is not heard from on Decoration day, and not even the smallest country cemetery is left out in the distribution of the floral tributes. The local wholesalers are preparing for a record-breaking business. Extra help is secured, and all possible sources of supply are being canvassed with a view to satisfying all comers. The city retail stores are decorated appropriately, the windows generally displaying patriotic colors and the usual offerings in fresh and dried flowers and greens.

The announcement comes from Washington that the war department has approved the general plans for the proposed \$3,000,000 improvement, whereby Charles river is to be dredged and dammed, and the beautiful basin of 1,000 acres extent thus acquired added to Boston's peerless park system. It is estimated that the work will be completed in from three to five years.

At the Arnold Arboretum this week the lilacs are in full glory. The own root plants propagated by Mr. Dawson several years ago are now good-sized bushes and profusely set with bloom.

N. F. McCarthy & Company are making a specialty of bay trees this season. A large consignment of fine specimens has just come in.

The Koral Manufacturing Company has been working nights to keep up with the Memorial day demand for its specialties.

Welch Brothers are long on fine roses and carnations, and are in a position to supply Beauty and Edgely ad libitum.

Sutherland is opening a new retail store this week on Bromfield street, in the Pad-dock building.

George A. Sutherland made an assignment on May 24.

St. Louis.

Memorial day is not observed in this city as much as in some other places. From present indications there will be plenty of stock to go around, unless the cloudy weather that we are having just now keeps up. The early part of the week saw shortages in some staples, but just now there is more than enough to go around, and prices have been forced down in consequence. However, the low-priced job lots of two and three weeks ago are not now in evidence, and in carnations \$10 per 1,000 in large lots seems to be the limit. In roses the lowest is \$15 per 1,000. Sweet peas are too plentiful, and from present indications peonies in a few days will be a drug upon the market. Good roses are scarce, with \$6 and \$8 per 100 asked for the best. The plantsmen are sold out in some staples and, while some report a general increase in business over last year, others say that they can't notice any difference.

The center of the floral clock at the Fair has just been planted with 5,000 verbenas, and the next in order will be the numerals, which will use up about 3,000 *Hero coleuses*. The minute marks are to be *Verschaffeltii coleuses*.

Mr. Emmons, of Belleville, is sending in some fine peonies. He is very busy just now, and reports that he is planting out 15,000 gladioli, and has just finished planting 20,000 tuberose and has 20,000 carnations in the field.

Miss Roosevelt's visit to the Fair is showering that young lady with more flowers than she will ever be able to carry away. Among others might be noted an order for 100 American Beauty roses for her exclusive use.

J. W. D.

Baltimore.

Last week there was some revival in the cut flower trade above the preceding one, and towards its end there was a spurt which enabled stocks to be cleared out at bargain counter prices. The extraordinarily cold winter seems to have had the effect of making a greater than usual profusion of bloom from hardy things, and the market has been flooded with it.

The horse show was the society event of the season, and there were numerous visitors from abroad with the natural concomitants of dinners, but in most cases the decorations were wild flowers, dogwood, hawthorn, lilac and other hardy materials. John Cook had one dinner, that of Mrs. H. Carroll Brown (nee Daly), where the profuse decorations of house and table were gardenias. He was fortunate in having a large crop just coming in, and was able from his own stock to meet the demand. For personal decoration the fashionable people from abroad and home folks this year seemed to reject everything but gardenias and lily of the valley, and wherever they gathered the delicious perfume of these favorites was apparent.

There is a contest going on here between the market people and the street vendors, and police interference against the presence of the latter on the streets has been invoked, with the result that for several days there were no fakirs on our streets. There seems to be no provision of law requiring the people to pay a license, yet the police decline to allow them to ply their trade without one. Flower sellers on the streets may not be a sign of civilization, but surely they are its accompaniment, and few large

cities but have their corps. Baltimore seems an exception.

The severe winter has played havoc with the outdoor roses. John M. Rider, of Anne Arundel county, finds about one-third of his White Cochet roses are dead, and Frederick C. Bauer, of Govanstown, lost 2,000 out of 7,000. Mr. Bauer exhibited at the Florists' Exchange recently a freak in the way of a single plant of his variegated seedling carnation, bearing three flowers of different colors—the variegated yellow and carmine, a lemon and a pure white.

Summer has come suddenly. To-day (May 24) the mercury nearly touched the 90° mark. Roses are declining in size, but the quantity keeps up. Carnations are in over supply. Next Sunday the May processions of the Catholic churches will make a considerable demand, and the day following—Memorial day—ought to absorb all the material offering.

J. H. Brommel found growing a few days ago in the midst of an oak woods, a quarter of a mile from any house, a galax plant. North Carolina has been considered the northern limit of this plant heretofore, and no one suspected it was hardy in this latitude.

The plant sellers in Lexington market complained to-day of quiet trade. The only thing that seemed to be short was S. A. Nutt geraniums. Pinks were a drug.

Anders Anderson, Govanstown, is putting up a new rose house for American Beauties, 22x100 feet. S. B.

Washington, D. C.

The commencement exercises of the various educational institutions have called for considerable decorating during the last week. I have never yet learned why the end of a school term is called the "commencement," but I do know that they have it at a very convenient time to get a good decoration at small cost. George H. Cooke had three or four separate decorations for one seminary, they being for different classes. In one held in the ballroom of the Willard hotel he had a very pretty arrangement of yellow daisies.

J. R. Freeman had the decoration for a very swell wedding, that of Miss Ivy Langham to Lieutenant Commander, the Vicomte de Faramond de Lafajole, naval attache of the French embassy. The bride is a sister of the Baroness Speck von Sternberg, wife of the German ambassador. The wedding took place on May 24 at St. Matthew's Roman Catholic church, Rhode Island avenue, Rev. Thos. S. Lee officiating. The decoration was a fine display of palms, ferns, Easter lilies and snowballs. Asparagus and valley were also freely used, the bridal bouquets being of the latter. All the coachmen and footmen wore white roses as buttonhole bouquets. It has been noted that the bride and her sisters have each flower names, Ivy, now Vicountess de Faramond; Lily, Baroness Speck von Sternberg and Violet.

Keen regret is felt by many here over the misfortunes of Col. Theodore A. Bingham, former superintendent of buildings and grounds. He was transferred from this city to Buffalo, N. Y., a year ago. Last winter while superintending some hoisting operations, the derrick fell and a part of it struck Col. Bingham and fractured his leg. About ten days ago the surgeons found it necessary to resort to amputation, and his condition is now said to be precarious.

Scientist W. D. Hunter of the Depart-

ment of Agriculture is authority for the statement that a single pair of cotton-boll weevils will, in one season, produce 134,000,000 offspring. No race suicide there. S. E.

Buffalo.

Weather conditions are very changeable and trade is fair, especially in funeral work. Two big conventions last week and this have not increased the sale of cut flowers. Greenhouse men are over their heads in work and it seems to be earlier than last year. Decoration day will call forth the usual lot of bouquets furnished by the market. School orders are mostly for plants, some are running into wreaths of galax for graves which gives the stores an opportunity to get some orders. A number of weddings are scheduled for next month, which will give some florists a few fine orders.

Donald Newlands, who has been ill for several weeks, is slightly improved and the wish of all is for his speedy recovery. The fine business of D. Newlands & Son, near Forest Lawn, certainly misses him now in the busy season.

From reports we will see a store erected for the exclusive use of a florist near Pine Ridge. W. C. Buechi who has greenhouses there says that his trade is increasing and he must have more room.

Among the prominent arrivals this week was a daughter presented to W. F. Kasting. The new store and new baby certainly entitle him to double congratulations.

Palmer & Son had a very pretty window last week of apple blossoms. It was very effective.

The first meeting of the schedule committee for the fall show was held yesterday.

Lafayette park looks very pretty now with its tulip beds in full bloom.

Arnold Ringier called last Monday.

BISON.

Newport, R. I.

It has been a cold and rainy week. Vegetation has gained but little. Sweet peas and many early sown seeds have germinated poorly, owing to the continued wet weather and average low temperature thus far, and quite a little replanting has been necessary. With the market gardeners and farmers early planted sweet corn has not come up at all well. Peas and beans have done better. The summer people are coming fast, notwithstanding the bad weather, and by Decoration day things will be quite lively here. For a week both seeds and plants have gone slowly but a little sun will start the sales briskly again. It is too bad to have had the storm break right into the busiest days of the whole season, as trade had a great momentum, and having been checked will probably not assume again this year the same proportions, although a great many goods will yet be sold.

The following letter recently received by the Newport Horticultural Society explains itself: "At a meeting of the committee on exhibitions of the Massachusetts Horticultural Society held April 16 it was voted to extend an invitation to the horticultural societies of New England to co-operate with this society at the annual exhibition of the Chrysanthemum Society of America which is to take place at Horticultural Hall, Boston, on November 3-6 next. The plan adopted last year by several societies, offering prizes to be competed for by their own members, seems to have worked well,

and is respectfully suggested for this year's meeting."

Repeated complaints are made that flower gardens are being despoiled in every part of the city, the depredations not being confined to children but quite frequently made by women. Not only are the blossoms cut and torn ruthlessly from the stems, but plants are dug up and taken away. One lady who has given much attention and care to the arrangement of her garden, found a woman in her yard at 4 o'clock in the morning recently, with trowel and basket, taking up the plants. These complaints have been made in former years, but this spring the evil is apparently growing.

The last meeting for May of the Newport Horticultural Society was held May 18. Plans and arrangements for the autumn exhibition were considered. John Marshall, head-gardener for O. P. Belmont, was elected a member. Quite a long list of delinquent members who seemed to have lost all interest in the society both as regards attending meetings and paying dues, were dropped from the rolls. It was voted to visit in June the agricultural college at Kingston, R. I., and inspect the buildings and grounds.

The strike of the freight handlers of the Fall River line is being badly felt here. Not only are shipments of seeds and shrubbery tied up, but also many household goods shipped by the boats from New York by the summer residents. It is hoped it will be settled before matters become still more serious.

F. L. Ziegler, the seedsman, has offered a special prize of \$10 to be awarded at the September exhibition of the Newport Horticultural Society, for the best twelve ears of the new sweet corn Newport Prizetaker.

The children of St. Joseph's parochial school have planted on the school grounds a very handsome maple, supplied by V. A. Vanicek of the Rhode Island Nurseries. X.

Lowell, Mass.

The week before Memorial day finds everyone making vast preparations for the last holiday of the season and the indications are that there will be a large supply of flowers, both indoor and outdoor. The hot weather—75° in the shade—we are having just now is pushing a good many outdoor plants into bud, so that they will be in good shape to use in making up into bouquets. Memorial day is the hardest day we have to contend with, so many hundreds of cheap bouquets have to be made. During the last week business has been very dull. The cut-flower trade has suffered greatly owing to the tact of the department stores selling flowers. Last Saturday one of these stores sold 25,000 roses, while another sold the same number of carnations. These conditions in a large city do not amount to a drop in the bucket, but in a town where the shops are located all in bunch it cuts quite a figure in the day's receipts.

L. Smith showed his ability during the last winter to raise over 300,000 of the finest violets ever shipped to Boston, or anywhere else. Lew is so elated over his success on violets that he is erecting a 21x200-foot house for carnations.

Lewis Small is not taking any chances in regard to getting short of water. He is putting up a 25,000 gallon tank.

Geo. Foster, down at Wamesit, is putting in a new 50 horse power boiler.

A. M.

THE AMERICAN FLORIST

NINETEENTH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
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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.

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

C. A. KUEHN is sending out space dia-
grams for the S. A. F. exhibition in St.
Louis in August.

CANNA BLACK BEAUTY seems to hold
its own with most growers as the best
in its class to date.

OF the tulips planted last fall reports
from various localities, commercial and
private, are that many have failed to
bloom. Parrots are particularly poor
this season.

In the article on "Forcing Bulb Rec-
ords," which appeared in our last issue,
1950 should be substituted for 1250
Roman hyacinths, on page 693, fifth line
from the bottom of the third column.

WE need for our files copies of the
annual report of the American Carnation
Society for the years 1894, 1895 and
1901. Anyone having copies to spare
will oblige by communicating with this
office.

JAPANESE fern balls that have been in
the houses should be hung outside during
the summer months under the semi-shade
of a lath house such as is used for ara-
carias. They will make a second growth
of fronds in the fall and be in handsome
shape for holiday sales.

A FEW field rows of *Narcissus poeticus*
ornatus will be found profitable for
spring work. This variety perhaps falls
a little short of the true *poeticus* in
elegance of form but it beats it by many
times in quantity of bloom and will keep
on flowering profusely for years if left
undisturbed.

TULIP RETROFLEXA is a lovely single
yellow, its marked characteristic being
the reflexing of the petals so that the
flower is suggestive of the yellow heme-
rocallis. It is a late bloomer and would
hardly be a success as a forcing variety,
but is well worthy of a place in every
garden collection.

FOUR new spiræas (*astilbe*) are in the
market for Memorial day this year.
They are Blondin, Gladstone, Superba
and Washington. Gladstone is the best.
Blondin is very tall and loose-panicked.
Superba and Washington resemble Glad-
stone but the flower stalks are not quite
so tall. All are very fine and frequently
produce on one stalk as much flower as
could be got from a whole plant of the
old-fashioned Japonica.

TULIP Golden Crown is the best of the
late yellow varieties, larger and finer
every way than Ida, which is largely
grown. *Gesneriana* tulips in several

varieties can be had in most seasons
throughout the northern parts of the
United States for Decoration day. They
are very brilliant and the flowers last
well after cutting.

THE verberna seems to be in a way to
regain its lost prestige as a summer bed-
ding plant. Undoubtedly the disease
and general debility which was responsi-
ble for its abandonment was due to the
method of propagation by cuttings gener-
ally followed until a few years ago.
Most growers now raise their verbenas
from seed and the seed as now obtain-
able can be relied upon to come fairly
true as to color. The only drawback is
that seedlings take a longer time to come
into flower.

THE manure question is becoming a
serious one for the large rose growers in
many sections. One establishment is
operating a dairy as the best solution of
the problem. Probably there are others
that are doing likewise. It would seem
that the most important qualification in
the American greenhouse rose grower is
the ability to work up a good appetite
in his plants and then feed them with a
lavish hand. Reading Gray's Botany
over a house of Beauties is not in it with
a few wagon loads of stable manure.

THE trade seems to have gone stem-
mad on roses. So great is the value set
on stems, big, long and unbending, that
other desirable points seem almost for-
gotten and grading by stem alone is the
rule in some establishments. The sys-
tem now followed by some growers of
so cutting their roses as to encourage
great, coarse, sap-growths from the base
of the plants is certainly the limit in this
direction. They get the stems, no doubt
about that, but it is rarely that any fine
lines or finish are seen in the dispropor-
tioned bud that crowns the three-foot
walking stick and the scanty foliage
finishes the monstrosity, for monstrosity
it is, judged by established rules of balance
and good taste. It is to be hoped that
the S. A. F. committee engaged in formu-
lating a market scale for grading roses
will see a way to place the stem ques-
tion where it belongs relatively to the
other points that go to make a perfect
rose.

Massachusetts Flower Growers' Meeting.

The next regular meeting of the Inde-
pendent Co-operative Flower Growers'
Association will be held at the New Eng-
land House, Blackstone street, Boston,
Mass., Wednesday, June 1, at 7:30 p. m.
All the flower growers of Massachusetts
are cordially invited to attend.

The object of this movement is to
establish a new wholesale Flower Mar-
ket in Boston and it is earnestly desired
that there be a full attendance at this
meeting. Those desiring to take stock
in the new market will be given an oppor-
tunity to do so at this meeting.

WILFRID WHEELER, Sec'y.

The Vilmorin Monument.

We have the pleasure to announce to
our readers that many favorable
responses have been made to the calls
issued by M. Louis Passy, deputy, mem-
ber of the Institute, and permanent sec-
retary of the National Society of Agricul-
ture of France, and by some other friends
of the Vilmorin family, for the formation
of a committee for the Vilmorin monu-
ment, says the *Revue Horticole*. We
know, also, that this idea of a monu-
ment to the Vilmorins has received the

most hearty support abroad, and that
many distinguished men in the world of
agriculture and horticulture in England,
Belgium, Italy, Russia, etc., have con-
sidered it an honor to form part of this
committee.

Rooted Rose Cuttings Dutiable.

Referring to the decision of the Board
of United States General Appraisers G.
A. 5645 of April 14, 1904 (T. D. 25211),
wherein is held that certain so-called
rooted rose cuttings are not dutiable as
rose plants at 2½ cents each in paragraph
252 of the tariff act of July 24,
1897, but should be classified as cuttings
of plants commonly known as nursery or
greenhouse stock at twenty-five per cent
ad valorem under the same paragraph,
Assistant Secretary Armstrong states
that the Treasury Department does not
concur in the conclusions reached by the
Board of United States General Appraisers
in this case. As the record pre-
sented in this case is not very satisfac-
tory, no appeal has been directed from
the decision of the board therein. The
collector of customs at Buffalo, N. Y., is
instructed, however, not to apply the
said decision to any other importations
at that port, it being the desire of the
Treasury Department to prepare a new
case for the consideration of the Board of
United States General Appraisers, which
will more fully present the issue.

New Orleans, La.

The last meeting of the New Orleans
Horticultural Society was made interest-
ing by an exhibit of plants. Prizes will
be offered hereafter frequently. The first
prize was awarded to E. Valdejo for glox-
inia. The second prize was divided
between Abele Brothers, exhibiting glox-
inia, and R. Eichling and U. J. Virgin,
for orchids, lily of the valley and *Lilium*
longiflorum. Paul Abele, of Abele
Brothers, tendered an invitation to the
society to gather at his home next Sun-
day and partake of a farewell dinner
before his departure to visit Europe and
the principal cities of America. A letter
from Dan Newsham in St. Louis was
read. He said the Louisiana plant
exhibits compare favorably with those of
any other state and reflect credit on the
New Orleans florists.

Business is now slow enough to give
everybody a chance of repairing and
building. E. Valdejo is erecting a small,
fancy greenhouse in front of his place. It
is intended for a sample room where his
customers may select specimens without
going all the way around his large
houses.

M. Cook & Son have several varieties
of chrysanthemums planted out which
will be finished under glass at the proper
time.
M. M. L.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST
for the year 1903 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 as working foreman; age 34;
married; 16 years' experience. State wages.
M. B., care American Florist.

Situation Wanted—By Scotchman, as private
gardener; experienced under glass—fruits and
vegetables. Address
S. STEVENSON, Goodrich, Ontario.

Situation Wanted—By carnation grower, producer of fine commercial stock and experienced in having full control; age 30. Address
CARNATION GROWER, care American Florist.

Situation Wanted—By a sober and industrious man; 20 years' experience in florist and horticultural branches; capable of taking charge of a small place with a chance to rent; references.
C K, care American Florist.

Situation Wanted—By a good rose grower; 11 years' experience in large establishments where good stock is grown. West or southwest preferred. State wages. Address
B. LIPMAN, 1229 Webster Ave., New York.

Situation Wanted—By June 1 or 15; German, single, middle aged; No. 1 grower and propagator of roses and carnations. Now section foreman; wants to make a change. Also understands pot plants, bulbs, and a fine designer. Good references. Address
ROSEGROWER,
care American Florist.

Help Wanted—Single man for general greenhouse work. Wages \$12.00 a week and good room. J. B. HEISS, The Exotic Nurseries, Dayton, O.

Help Wanted—Married man to take charge of golf grounds near Chicago; must be competent, sober, small family. Apply at once, with full particulars, to VAUGHAN'S SEED STORE, Chicago.

Help Wanted—Good grower of cut flowers and plants. Must be capable of taking charge of 20,000 feet of glass where mixed stock is grown. Only a man with some get-up about him wanted. State references and wages wanted with or without board.
J M S, care American Florist.

Help Wanted—At once; a working foreman for 50,000 square feet of glass. Must be well posted in growing high-grade cut flowers. Sober, industrious and a good handler of men. State wages expected and give references. Address
J. W. DUNFORD,
Broadway & Franklin Aves., St. Louis, Mo.

For Sale—Cheap if sold at once; reason for selling, owner leaving country; six greenhouses, cold frames, covering 15,000 feet of glass; well stocked, doing wholesale and retail business; 5-room dwelling house. Address A. SVENSON,
56 Central Ave., East Providence, R. I.

Help Wanted—At once; a reliable florist to take full charge of 15,000 feet of glass and capable of growing a general stock of first-class cut flowers and plants for retail store trade. Must be sober, honest and a good worker. Send reference and state wages with room and board with first letter. Also wanted, a young man with some knowledge of greenhouse work. State wages. Send references. FRED J. KING, Ottawa, Ill.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal Three miles from city hall. Address
SAMUEL J. BUNTING, Elmwood Ave.
and 58th St., Philadelphia, Pa.

For Sale—General florist and gardening property, established twenty years, at Grand Haven, Mich., about eight acres, muck and sand, twelve houses, 22,000 feet of glass, steam, dwelling, barn and canning factory. Must be sold by order of the court, June 18th. Address
J. CHAS. ROSS, South Union St.,
Grand Rapids, Mich.

For Sale—House of eleven rooms with all modern improvements, small stable, two acres of ground and modern three-quarter span greenhouse 20x200, heated with No. 8 brick-set Furman hot water boiler (boiler of sufficient capacity to heat another house). All in first-class condition. This property, located in Billerica, Mass., can be sold on easy terms. Owner would like to sell to first-class violet grower and arrange to take the product of the house. Address
Box 15, Billerica, Mass.

For Sale—Having decided to change to steam, we offer one No. 1 Kroeschell, 7 years old, new flues and head one year ago, one No. 3 Kroeschell boiler almost new, one Phelps Ideal hot water heater—a good, cheap heater to put in for safety; six 4-inch gate and angle valves, six 2½-inch gate valves, a large number of 4-inch and 2½-inch screw fittings—all good as new and at half price. Also three closed expansion steel tanks with safety and air valves. Address
JOSEPH BANCROFT & SON, Cedar Falls, Iowa.

Wanted

A capable, working foreman in plant houses. To a thoroughly efficient, hustling business man, adequate wages will be paid. Address

WM. W. EDGAR, Waverly, Mass.

For Sale or Rent A good paying place in the heart of a thriving Iowa city of 10,000 inhabitants. Must sell on account of poor health. 5000 feet of glass, 3 acres good land, 2 blocks from main street; fine well and city water; windmill and 100 bbl. tank; 40 h. p. boiler; coal house, potting room. Only one other greenhouse in town and output far below the demand. Two dwelling houses connected; Iowa Central switch track passes garden and coal house; long distance phone and other conveniences. A gilt-edged opportunity. \$3,000.00 cash or \$4,000.00 in reasonable payments. Address
K M Y, care American Florist.

A Splendid Opportunity

Will sacrifice our well-established retail place located on fine boulevard drive in midst of choice residence section. 20 years in present location with 12 year lease to run. Excellent business. Good chance for party to take hold of a well-established, paying business at a bargain. Make us an offer.

Estate of **S. MUIR**,
JOHN T. MUIR, Mgr.
3530 Michigan Boul., CHICAGO.

Always mention the American Florist when you order stock

U R WANTED WEST

Greenhouse plant in a thriving western city. 7,500 feet of glass and more being added now. Demand exceeds supply. Sales were \$3,500. Should be greater this year. The owner has other business, this being a side issue with him and wants a manager. Must be a man who knows his business from "A to Z." Will pay \$5.00 a week and 10 per cent on sales for what is raised on the place. If after first year's trial service is good, will admit into partnership. Send good references and we will give you more detailed particulars.

AWAY WEST AND NORTH.

Also progressive city. 11,000 feet of glass. Excellent local trade. Receipts since January 1 to May 14, \$1,850; expenses \$75 per month. Owner wants to retire. There are many particulars to give you concerning this offer. If you mean business we will send them to you. This party will sell at reasonable price, but wants half cash.

FLORISTS' AMERICAN EXCHANGE

ADDRESS COMMUNICATIONS TO

C. B. WHITNALL,
care Citizens Trust Company. MILWAUKEE, WIS.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, May 26.

Roses, Beauty, long per doz.	3.00@4.00
" " med.	1.50@ 2 00
" " short	4.00@ 8.00
" Bride, Bridesmaids	4.00@ 6.00
" Meteor, Golden Gate	4.00@ 6.00
" Perle	4.00@ 6.00
Carnations	2.00@ 4.00
Smilax	15.00
Asparagus	35.00@50.00
Valley	3.00
Tulips	2.00@ 3.00
Daffodils	2.00@ 3.00
Callas	10.00
Harrisii	12.50
Peonies	4.00@ 6.00
Cape Jasmine	1.00@ 1.50

PITTSBURG May 26.

Roses, Beauty, specials	20.00@25.00
" " extras	10.00@15.00
" " No. 1	6.00@10.00
" " ordinary	3.00@ 5.00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	2.00@ 6.00
" Liberties	3.00@12.00
" Kaiserin	2.00@ 8.00
Carnations	.75@ 3.00
Lily of the valley	1.00@ 4.00
Smilax	12.50@20.00
Asparagus, strings	30.00@50.00
Asparagus Sprenger	2.00@ 3.00
Lilies	6.00@10.00
Tulips	1.00
Daffodils	1.00
Yellow Purple Iris	8.00
Candy Tuft	1.50@ 2.00
Daisies	.50@ 2.00
Gladstoll	10.00@15.00
Peonies	5.00@ 8.00

CINCINNATI, May 26.

Roses, Beauty	2.00@ 5.00
" Bride, Bridesmaid	4.00@ 8.00
" Liberty	4.00@ 8.00
" Meteor, Golden Gate	1.00@ 3.00
Carnations	3.00@ 4.00
Lily of the valley	50.00
Asparagus	15.00
Smilax	1.00@ 1.50
Adiantum	.50
Violets	3.00
Narcissus	3.00
Romans	8.00@12.50
Harrisii	6.00@10.00
Calla	

St. Louis, May 26.

Roses, Beauty, long stem	2.50@3.00
" Beauty, medium stem	1.50@2.00
" Beauty, short stem	.50@ 1.2
" Bride, Bridesmaid	3.00@ 6.00
" Golden Gate	3.00@ 6.00
Carnations	1.50@ 4.00
Smilax	15.00
Asparagus Sprenger	2.00@ 3.00
Ferna	25.00@50.00
Callas	per 1000 2.00@3.00
Harrisii	8.00@10.00
Harrisii	8.00@10.00
Adiantum	1.00
Peonies	5.0 @ 6.0
Sweet peas	.50

HEADQUARTERS FOR FANCY FERNS.

\$2.50 Per 1000.

AMERICAN BEAUTY		Per Dozen.	Per 100	
36-inch stems		\$6.00	Valley	\$2.00 to \$4.00
24 to 30-inch stems		5.00	Narcissus, Poets	1.00 to 1.50
18 to 24		2.50 to 3.00	Harrisii	10.00 to 12.50
12 to 18		1.00 to 1.50	Callas	10.00 to 12.50
Short		\$4.00 per 100	Asparagus Sprenger, sprays	2.00 to 4.00
			" Plumosus, string, 25c to 50c each	.30
			Fancy Ferns, per 1000	\$2.50
Bride and Maid		\$5.00 to 10.00	Southern Fancy, per 1000	3.00
Golden Gate		5.00 to 10.00	Galax, Bronze, Green, 1000	\$1.25
Liberty, Chatenay		6.00 to 12.00	Adiantum	1.00
Carnations		2.00 to 3.00	Leucothoe Sprays	1.00
" Fancy		3.50 to 5.00	Smilax	20.00 to 25.00
Peonies, per dozen		60c to \$1.00	Gardenias	2.00

We Can Still Supply a Small Quantity of Selected WILD SMILAX, 50-lb. cases, \$8.00.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

Brant & Noe Floral Co.,

GROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

H. G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Pittsburg Florist Exchange

WHOLESALE FLORISTS.

243 Diamond St., Pittsburg, Pa.

CONSIGNMENTS SOLICITED.

Wm. Murphy

GROWER AND WHOLESALE COMMISSION DEALER IN

Cut Flowers

AND FLORISTS' SUPPLIES.

Fresh cut daily of American Beauty, Bride, Maid, Liberty, Carnations, Sweet Peas, Lilies and Smilax. Galax Leaves always in stock. Ferns and Sphagnum Moss.

WRITE, WIRE OR PHONE

128 E. 3rd St., CINCINNATI, OHIO.

L. D. Phone M-980. Night Message W-1191 R.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Please mention the American Florist when writing.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

Please mention the American Florist when writing.

KENNICOTT BROS. COMPANY

WHOLESALE COMMISSION FLORISTS

AND DEALERS IN ALL KINDS OF FLORISTS' SUPPLIES,

AT CHICAGO MARKET RATES.

42-44 E. Randolph St.,

CHICAGO, ILL.

June Weddings AND COMMENCEMENTS.

The Peony is the popular flower for June Weddings and Commencements. Our supply is large, quality the best. \$5.00 to \$6.00 per 100 for A1 stock.

"Green Goods" for all requirements and all Cut Flowers in Season.
—SEND US 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, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 40-inch stem	\$4.00
24-inch stem	3.00
20-inch stem	2.00
15-inch stem	1.50
12-inch stem	1.00
Short stems, \$4.00 to \$5.00 per 100	
Per 100	
Bride, Maid, Meteor and Gate	\$3.00 to \$ 6.00
Liberty	3.00 to 8.00
Roses, our selection	3.00
Carnations	1.50 to 2.00
"large and fancy"	3.00 to 4.00
Peonies	per doz., 60c to 75c 5.00
Valley	2.00 to 4.00
Poet Narcissus	1.00
Mignonette, per doz	35c to 50c
Sweet Peas	.75 to 1.00
Yellow Daisies	1.00 to 3.00
Callas, per doz	\$1.25
Harrisil, per doz	1.25 to 1.50
Asparagus, per string, 40c to 50c	
Asparagus Sprengerii	3.00 to 6.00
Ferns from storage	1000, \$4.50 .50
"Snow Birds"	1000, 3.00 .30
Galax	per 1000, 1.25 .15
Adiantum	.75 to 1.00
Smilax	per doz., \$2.00 15.00
Leucothoe Sprays	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINGDALE, ILL.
Please mention the American Florist when writing.

Frank Garland,

Wholesale Grower of **CUT FLOWERS.**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS.**
Room 218, 51 Wabash Avenue.
Telephone Central 3284. CHICAGO.

A. L. RANDALL CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.
Send for weekly price list and special quotations on 1000 lots.
Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**
Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.
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.

It is good business policy to mention **The... AMERICAN FLORIST**
When you write to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty... WHOLESALE GROWER of **CUT FLOWERS**

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street. MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, May 27.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24	2.00@2.50
" " 15 to 18	1.50@ 2.00
" " 12	1.00@1.50
" Liberty	3.00@ 8.00
" " extra select	10.00@ 12.00
" Chatenay	4.00@ 8.00
" Bride, Bridesmaid	3.00@ 6.00
" Meteor, Golden Gate	3.00@ 6.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Valley	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" " sprays 2.00@6.00	
" Sprengerii	3.00@ 8.00
Leucothoe Sprays	1.00
Galax Leaves, Bronze, per 1000	1.25 .15
" Green, " "	1.00
Adiantum	1.00
Fancy ferns...per 1000	3.00@ 5.00
Smilax	1.00@ 1.50 per doz. 15.00@20.00
Callas	1.00@ 1.50
Harrisil	1.00@ 1.50
Sweet peas	.75@ 1.00
Peonies	5.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Growers' Co. Telephone—Central 3067.
All telegraph and telegraph orders given prompt attention.

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.
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. 35-37 Randolph Street, CHICAGO, ILL.
GREENHOUSES: Morton Grove, Ill.
Please mention the American Florist when writing.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE Wholesale Growers and Shippers of **CUT FLOWERS,**
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

BLACKINTON, MASS.—George H. Phelps has been on the sick list for ten weeks and for the past five weeks he has been confined to the hospital.

Leo Niessen

FOR DECORATION DAY

Paeonias, Roses,
Carnations, Dagger Ferns.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

GEO. A. SUTHERLAND,

Best Boston Flowers.
All Florists' Supplies.

Distributing Depot for the KORAL LETTERS.

TELEPHONE 1270 MAIN. 34 Hawley St., BOSTON.

N. F. MCCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

Please mention the American Florist when writing.

THOMAS YOUNG, Jr.

WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

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.

Please mention the American Florist when writing.

N. Lecakes & Co.

53 W. 28th St., and
45 W. 29th St., Also
at 25th St. and 34th
St. Markets

NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES.

75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.

Galax, Brilliant Bronze or Green, selected stock, \$1.00 per 1000; \$3.75 per 500. Leucothoe Sprays, Rustic Hanging Baskets, Best make, 8-in., 10-in., 12-in. bowl, each, 50c, 75c, \$1.00. ALL KINDS OF FLORISTS' SUPPLIES.

Tel. 597 Madison Square. L. J. KRESHOVER,
110-112 W. 27th St., New York.

Wholesale Flower Markets

BOSTON, May 25.

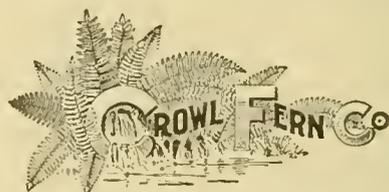
Roses, Beauty, extra.....	8.00@12.00
" " medium.....	5.00@ 6.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid.....	1.00@ 3.00
" extra.....	4.00@ 6.00
" Liberty.....	4.00@ 8.00
Carnations.....	1.50@ 2.00
" Fancy.....	5.00@ 6.00
Lily of the valley.....	1.00@ 3.00
Harrisii lilies, Calla.....	2.00@ 6.00
Smilax.....	12.00@20.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Daffodils.....	.75@ 1.00
Tulips.....	.75@ 1.00
Peas.....	.50@ .75

PHILADELPHIA, May 25.

Roses, Tea.....	3.00@ 5.00
" extra.....	6.00@ 8.00
" Beauty, extra.....	10.00@16.00
" firsts.....	6.00@ 8.00
" Queen of Edgely, extra.....	10.00@16.00
" firsts.....	6.00@ 8.00
Carnations.....	1.00@ 4.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Lungiflorum.....	6.00@ 8.00
Snap Dragon.....	6.00@ 8.00
Sweet peas.....	.50@ .75

BUFFALO, May 26.

Roses, Beauty.....	3.00@25.00
" Bride, Bridesmaid, Meteor.....	2.00@ 8.00
Carnations.....	1.50@ 5.00
Harrisii.....	5.00@10.00
Lily of the valley.....	2.00@ 4.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1.00
Callas.....	.50@ 8.00
Sweet Peas.....	.40@ 1.00



New Crop Dagger Ferns,

\$1.50 per 1000. The Finest and Largest Ferns Ever Sold.

FANCY FERNS, NEW CROP, \$2.00 Per 1000.
BOUQUET GREEN, \$6.00 per 100 Lbs.

Bouquet Green Wreaths and Laurel Wreaths, ALL SIZES AND PRICES.

Laurel Festooning, Extra fine and full, 4c, 5c and 6c per yard, and made fresh daily from the woods.

Southern Wild Smilax, \$6.00 per case, 50 pounds.
Bronze and Green Galax, 75c per 1000. Discount on large orders.

Send us your orders for MEMORIAL DAY now and you will get the best to be had and at rock bottom prices. Satisfaction guaranteed, no matter how large or small the order, it will be filled promptly and with the best and freshest stock right from the woods. Telephone and telegraph orders will receive immediate attention.

Tell Us Your Wants We will Do the Rest.

Telegraph Office, NEW SALEM, MASS.
Long Distance Telephone Connections.

CROWL FERN COMPANY,
Millington, Mass.

Please mention the American Florist when writing

SUCCESSFUL SELLERS

are the successful growers who advertise in this paper

THE AMERICAN FLORIST

GUTHRIE, O. T.—The executive committee of the Oklahoma State Horticultural society is planning to hold a summer meeting and fruit show in July or August this year.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, VIOLETS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH
Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

VIOLETS. WILLIAM GHORMLEY, VIOLETS
Wholesale Commission

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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,
80 West 29th Street, 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 999 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
115 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

65 and 67 W. 26th St, New York.
Cut Flower Exchange,

OPEN 6:00 A. M.

An Unequaled 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, May 25.

Roses, Beauty, Liberty, best.....	8.00@15.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 4.00
" " Bride, Bridesmaid, G. Gate.....	.50@ 5.00
" " Brunner.....	2.00@10.00
Carnations.....	.25@ 1.00
" " fancy and novelties.....	1.50@ 3.00
Lily of the valley.....	.50@ 1.50
Lilies, Callas.....	2.00@ 4.00
Smilax.....	10.00@15.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Tulips.....	.50@ 2.00
Narcissus.....	.25@ 1.00
" " Poeticus.....	.25
Gardenias.....	5.00@10.00
Stocks.....	.10@ .25 per bun.
Sweet peas.....	.01@ .08 per bun.
Moss Roses.....	.75@ 1.00 per bun.
Lilac.....	.05@ .25 per bun.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship
ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

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

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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Fred. C. Weber, FLORIST,

4320-4328 Olive St., ST. LOUIS, MO. Established 1873, L. Dist. 'Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to entrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Lucania	1	Sat. June 4, 10.00 a. m.	June 10
New York.....	"	Umbria	1	Sat. June 11, Noon.	June 18
Boston.....	"	Iverbia	1	Tues. June 7, 4.30 p. m.	June 15
New York.....	Glasgow	Moogolian	2	Thur. June 9, Noon.	June 19
Montreal.....	Liverpool	Tunisian	2	Sat. June 4,	June 12
Montreal.....	"	Ionian	2	Sat. June 11,	June 19
New York.....	Hamburg	Moltke	3	Thur. June 2, 10.00 a. m.	June 12
New York.....	"	Pretoria	3	Sat. June 4, 9.30 a. m.	June 14
New York.....	"	Deutschland	3	Thur. June 4, 9.30 a. m.	June 17
New York.....	Genoa	Prinz Oskar	3	Tues. May 31, 10.00 a. m.	June 14
New York.....	Copenhagen	Helig Olav	4	Wed. June 8, 2.00 p. m.	June 18
New York.....	Glasgow	Ethiopia	5	Sat. June 4, Noon.	June 14
New York.....	"	Astoria	5	Sat. June 11, 3.00 p. m.	June 21
New York.....	London	Minnetonka	8	Sat. June 4, 10.00 a. m.	June 14
New York.....	"	Minnehaha	8	Sat. June 11, 3.30 p. m.	June 21
New York.....	Liverpool	Oceanic	7	Wed. June 1, 8.00 a. m.	June 7
New York.....	"	Teutonic	7	Wed. June 8, 10.00 a. m.	June 15
New York.....	"	Celtic	7	Fri. June 10, 3.00 p. m.	June 17
Boston.....	"	Cretic	7	Thur. June 2, 12.30 p. m.	June 9
Boston.....	"	Republic	7	Thur. June 9, 5.00 p. m.	June 16
New York.....	Southampton	Germanic	8	Sat. June 4, 9.30 a. m.	June 11
New York.....	"	St. Paul	8	Sat. June 11, 9.30 a. m.	June 17
New York.....	Antwerp	Vaderland	9	Sat. June 4, 10.30 a. m.	June 13
New York.....	"	Kroonland	9	Sat. June 11, 10.30 a. m.	June 20
New York.....	Havre	La Touraine	10	Thur. June 2, 10.00 a. m.	June 11
New York.....	"	La Lorraine	10	Thur. June 9, 10.00 a. m.	June 18
New York.....	Rotterdam	Noordam	11	Tues. May 31, 10.00 a. m.	June 9
New York.....	Genoa	Sardegna	12	Tues. May 31, 11.00 a. m.	June 14
New York.....	"	Citta di Torino	12	Tues. June 7, 11.00 a. m.	June 22
New York.....	Bremen	Kronprinz Wilh.	13	Tues. May 31, 7.00 a. m.	June 7
New York.....	"	Grosser Kurfuerst	13	Thur. June 2, Noon.	June 12
New York.....	"	Prinzess Alice	13	Tues. June 7, 11.00 a. m.	June 17
New York.....	Genoa	Hohenzollern	13	Sat. June 4, 11.00 a. m.	June 17
New York.....	"	Prinzess Irene	13	Sat. June 11, 11.00 a. m.	June 24
Boston.....	Liverpool	Winifredian	14	Wed. June 1, Noon.	June 11
Boston.....	"	Devonian	14	Wed. June 8, 5.00 a. m.	June 17
Montreal.....	"	Vancouver	15	Sat. June 4,	June 14
Montreal.....	"	Dominion	15	Sat. June 11,	June 21

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

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JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Mail, telegraph or telephone orders filled promptly in best style.

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J. A. VALENTINE, DENVER, COLO.

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Chas. W. McKellar,

Wholesale Commission Florist

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Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

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the best way to make that fact known to the trade is by regular advertising in

Give it a trial.

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INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Campania	1	Sat. June 4	June 11
Liverpool.....	"	Etruria	1	Sat. June 11	June 18
Liverpool.....	Boston	Saxonia	1	Tues. June 7	June 14
Glasgow.....	New York	Laurentian	2	Sat. June 4	June 14
Liverpool.....	Montreal	Bavarian	2	Thur. June 2	June 10
Liverpool.....	"	Parisian	2	Thur. June 9	June 17
Hamburg.....	New York	Anguste Victoria	3	Thur. June 2	June 12
Hamburg.....	"	Penosylvania	3	Sat. June 4	June 14
Hamburg.....	"	Bleucher	3	Thur. June 9	June 19
Genoa.....	"	Prinz Adalbert	3	Sat. June 4	June 19
Copenhagen.....	"	Oscar II	4	Wed. June 1	June 11
Copenhagen.....	"	Hekla	4	Wed. June 8	June 18
Glasgow.....	"	Anchoria	5	Thur. June 2	June 12
Glasgow.....	"	Columbia	5	Sat. June 11	June 21
London.....	"	Minneapolis	8	Sat. June 4	June 14
London.....	"	Mesaba	8	Sat. June 11	June 21
Liverpool.....	"	Cedric	7	Wed. June 1	June 8
Liverpool.....	"	Majestic	7	Wed. June 8	June 16
Liverpool.....	"	Arabic	7	Fri. June 10	June 17
Liverpool.....	Boston	Cymric	7	Thur. June 2	June 9
Naples.....	"	Romania	7	Wed. June 1	June 13
Southampton.....	New York	Philadelphia	8	Sat. June 4	June 11
Southampton.....	"	St. Louis	8	Sat. June 11	June 18
Antwerp.....	"	Zeeland	9	Sat. June 4	June 13
Antwerp.....	"	Finland	9	Sat. June 11	June 20
Havre.....	"	La Gascogne	10	Sat. June 4	June 13
Havre.....	"	La Savoie	10	Sat. June 11	June 20
Rotterdam.....	"	Rotterdam	11	Sat. June 4	June 14
Rotterdam.....	"	Ryndam	11	Sat. June 11	June 21
Genoa.....	"	Lombardia	12	Mon. May 30	June 14
Genoa.....	"	Nord America	12	Mon. June 6	June 21
Bremen.....	"	Kaiser Wilhelm II	13	Tues. May 31	June 7
Bremen.....	"	Frkd. Der Grosse	13	Sat. June 4	June 14
Bremen.....	"	K. Wil. Der Grasse	13	Tues. June 7	June 14
Bremen.....	"	Bremen	13	Sat. June 11	June 21
Genoa.....	"	Konig Albert	13	Thur. June 9	June 22
Liverpool.....	Boston	Canadian	14	Sat. June 4	June 14
Liverpool.....	"	Cestrian	14	Sat. June 11	June 21
Liverpool.....	Montreal	Cambroman	15	Thur. June 2	June 12
Liverpool.....	"	Canada	15	Thur. June 9	June 19

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

		Per Doz.
AM. BEAUTIES, long stems,		\$6.00
" " 30-in. "		3.00
" " 20-24 "		2.00
" " 15-18 "		1.50
" " Short stems.....	.75 to 1.00	
	Per 100	
SUNRISE.....	\$5.00 to \$7.00	
CHATENAY.....	6.00 to 10.00	
BRIDE.....	3.00 to 6.00	
BRIDESMAID.....	3.00 to 6.00	
PERLE.....	3.00 to 6.00	
CARNATIONS.....	2.00 to 3.00	
ROSES, OUR SELECTION.....	4.00	

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$6.

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NEW CROP

Dagger Ferns.



A No. 1 stock, \$2.00 per 1000. Discount on large orders. We have the best and largest Dagger Ferns in the country and we are now in a position to fill any size order on short notice. Place your order for MEMORIAL DAY now, and procure the best and finest stock. We carry the finest and most complete stock of FLORISTS' HARDY SUPPLIES. Bronze and Green GALAX, best quality, \$1.00 per 1000. BOUQUET GREEN, 8c per lb. BUNCH LAUREL, 50c per large bunch. GREEN MOSS, \$1.00 per bbl. and 75c per bag. SPHAGNUM MOSS, \$1.00 per bbl. and 50c per bag. LAUREL FESTOONING, good and full at 5 and 6c per yd. LEUCOTHOE SPRAYS, \$1.00 per 100. Place any size order with us and you are sure to obtain the best and finest stock, promptly delivered. Orders by mail, telephone or telegraph will receive our prompt and personal attention.

HENRY M. ROBINSON & CO.,

11 Province Street, BOSTON, MASS.

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A Daily Cut From 40 Growers

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Cut Flower Wants

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Cannas BEST FRENCH SORTS.

GERANIUMS, COBAEAS, VINCAS, Etc.

We have a Choice lot of stock to offer. Send us a list of your needs for prices.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

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Yellow Daisies and fine Kaiserins, Maids and Brides, Fancy Carnations.

PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

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The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

WISCONSIN growers report a good stand of seed peas. Beans will be planted next week.

VAUGHAN'S SEED STORE reports Pride of the North seed corn selling freely at \$1.85 to \$2.

SPECIAL contract prices are now being issued by some western growers direct to the canning and pickle trade.

WATERLOO, NEB.—J. C. Robinson has been nominated republican presidential elector from Douglas county.

THERE is every reason to anticipate a big seed trade convention at St. Louis. The city is centrally located and the fair is a grand one.

JEFFERSON PARK, ILL.—Knud Gundestrop, for four years with Vaughan's Seed Store, succeeds P. F. Thomsen in the seed business here.

FREE seed testing is done at the seed laboratory of the Department of Agriculture. A leaflet detailing conditions can be had on request.

SAN JOSE, CAL.—Charles P. Braslan has been elected delegate from California to the republican national convention to be held at Chicago next month.

ALFALFA seed and its adulterants are well described in Farmers' Bulletin No. 194, just issued by the Department of Agriculture. Seedsmen should write for it.

MEMBERS of the trade intending to attend the St. Louis convention should engage hotel accommodations now. Inquire of Secretary Kendel or any of the St. Louis seedsmen.

FOUR recent protests against assessment of duty on canary seed have been overruled by the Board of General Appraisers of the Treasury Department—numbers 1349 to 1352.

WE need for our files a copy of the annual report of the American Seed Trade Association for 1890 and anyone having a copy to spare will oblige by communicating with this office.

THE American Mushroom Company, of St. Louis, which recently advertised in our columns, we have every reason to believe is quite reliable. Another concern with this title was declared fraudulent by the postoffice authorities and this led to some confusion. Our advertiser has now changed its firm name to the Pure Culture Spawn Company and its new advertisement will be found elsewhere in this issue.

YOUNGSTOWN, O.—Formal transfer of the big seed and plant establishment of L. Templin & Sons, located at Calla, Green township, to the Templin company, was made May 19. The transfer involves 32.53 acres, together with all other property owned by the old company of every kind. The grantors are Richard L. Templin, Mary E. Templin, Mark B. Templin, M. Alice Templin, Wilbur W. Templin and Elsie J. Templin,

and the deed is given as a result of the recent reorganization of the company following the retirement of Richard L. Templin and his son, Wilbur W. Templin, who are to engage in business in Detroit.

To Destroy Ivy and Mustard.

It has now been demonstrated that ground ivy and mustard can be destroyed through sprinkling with a solution of copperas (sulphate of iron), and that cereals are not injured by it.

Bulbs Held to be Roots.

In a protest of Knauth, Nachod & Kuhne against the assessment of duty by the collector of customs at the port of New York, May 16, 1904, it was held that bulbs are roots within the meaning of paragraph 640, tariff act of 1897, which exempts from duty "roots * * * imported by the Department of Agriculture or the United States Botanic Garden." Evidently the foreign dealer can sell to Uncle Sam at a price twenty-five per cent lower than the home trade.

San Francisco.

Henry W. Wood, of T. W. Wood & Sons, Richmond, Va., left for northern points, via Portland, May 21. He has been on the coast a couple of weeks visiting the several seed farms and his other interests in this district.

Thos. A. Cox, of the Cox Seed Company, is now on his way to eastern points and will take in the convention of the American Seed Trade Association at St. Louis next month.

Chas. P. Braslan returned from the pea districts in Washington state May 20, where he was inspecting culinary peas in that section.

Lester L. Morse will sail for Europe on the S. S. Lucania, July 2.

Department of Agriculture Seed Purchases.

In an interview Dr. Galloway, of the United States Agricultural Department,

stated that: "We go into the open market and buy our seeds just as any seedsmen would do. We aim to relieve the market of surplus seed, but it must be good seed. We test it at our trial grounds and if it is not good we send it back. Bids are not advertised for or received. The huying is done by men of business qualifications."

In answer to a request for the names of men from whom seed was purchased, Dr. Galloway stated that he could not give their names. S. E.

American Seed Trade Association.

We are in receipt of the programme of the annual convention of the American Seed Trade Association, which will be held at the Forest Park University hotel, St. Louis, Mo., June 21-23, inclusive. The papers enumerated are as follows: "Points of Interest for Seedsmen at St. Louis," by H. M. Schisler, of the Schisler-Corneli Seed Company, St. Louis, Mo.; "Points of Interest Pertaining to Seeds and Seed Growing in the State of Washington," by E. F. Bogardus, of Lilly, Bogardus & Company, Seattle, Wash.; "Irrigation in the West and Its Possibilities," by George H. Maxwell; "The Middle West as a Seed Producing Section—Varieties Most Profitably Grown," by Mel. L. Wehster, Independence, Ia.; "Breeding of Field Corn for Increase in Yield," by Frank H. Funk, of Funk Brothers Seed Company, Bloomington, Ill.; "Soil Inoculation, or the Inoculation of Legumes to Insure the Formation of Nodules," by George T. Moore, United States Department of Agriculture, Washington, D. C.; "Trial Grounds and their Necessity to Seedsmen," by E. D. Darlington, of W. Atlee Burpee & Company, Philadelphia, Pa.; "Ideals in Seed Growing," by W. W. Tracy, Sr., Washington; "Difficulties of the Present Contract System—Is there a Remedy?" by J. C. Vaughan, Chicago; "Fire Insurance Expenditure—What a Loss Experience Teaches," by Albert McCullough, of J. M. McCullough's Sons, Cincinnati, O.



A FIELD OF THE NEW POTATO NORTHERN STAR.
(An English variety which is attracting much attention.)

To Seedsmen

The Only Machine....

on the market for automatically filling and sealing seed packets. ❁ ❁ ❁ ❁ ❁ ❁ ❁ ❁

The Brown Bag-Filling Machine Co.

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Henry Mette,

QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Beet, Vegetable and Flower Seeds PANSIES.

Mette's "Triumph of the Giants" the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per ½ oz.; 75c per ¼ oz. Postage paid. Cash with order.

Mushroom Growers.

We wish to send you our circular on "MUSHROOM SPAWNS." It tells about spawns in general, and "Tissue Culture Pure Spawn" in particular. Most productive and sure yet. Will you send us your name?

Pure Culture Spawn Co., ST. LOUIS, MO.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilies, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raffle, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

FROZEN VALLEY PIPS

\$15.00 per 1000.

WM. ELLIOTT & SONS, New York.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus SEED.

\$3.50 per 1000; larger quantities less. Guaranteed true to name and of highest germinating quality.

Drake Point Greenhouses,
YALAHUA, FLORIDA.

Tomato Plants.

Stock transplanted, 10 to 12 inches tall, \$1.00 per 100; \$7.50 per 1000; small transplanted, \$2.00 per 1000; seed bed plants by 1000—Acme, Perfection, Favorite, Beauty, Stone, Dwarf Champion, Imperial, Livingston's Dwarf Stone, Earliana, Chalk's Early Jewel. Write for price list of vegetable plants.

FRANK SHEARER & SON, Binghamton, N. Y.

CHRYSANTHEMUM MANUAL.

NEW BOOK BY ELMER D. SMITH.

IS NOW READY.

CONTENTS.

INTRODUCTION.

CHAPTER I.—HISTORY.

CHAPTER II.—STOCK PLANTS.—Early Propagation.—Cold Frames.—Field-grown.—Imported Stock.—Novelties and Scarce Varieties.

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CHAPTER VII.—EXHIBITION BLOOMS.—Planting.—Tying.—Watering.—Spraying.—Airing.—Shading.—Scalding.—Top-dressing.—Removing Stools.—Blind Growth.—Chemical Fertilizers.—Liquid Manure.—Lime.—Iron.—Burning and Damping.—Buds and Disbudding.—English Method.—Records.

CHAPTER VIII.—EXHIBITION BLOOMS.—Grown out-of-doors.—Australian Method.—Shelter or Drug Harbor.

CHAPTER IX.—COMMERCIAL FLOWERS.—Feeding.—Buds.—Early.—Late.—Height of Plants.

CHAPTER X.—INSECTS.—Aphis.—Thrip.—Mealy Bug.—Grasshoppers.—Tarnished Bug.—Corythuca.—Grub Worm.—Cut Worm.—Lady Bug.—Golden Eye.—Chrysanthemum Fly.

CHAPTER XI.—DISEASES.—Rust.—Leaf Spot.—Mildew.

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CHAPTER XIV.—EXHIBITIONS.—The Management.—The Judge.—The Exhibitor.

CHAPTER XV.—TYPES AND SELECTIONS.—Types.—Selections.

WE ARE NOW BOOKING ORDERS. PRICE, 25 CENTS. CASH WITH ORDER.

American Florist Co., 324 Dearborn Street, Chicago.

LILY OF THE VALLEY. GOLD STORAGE.

Extra Selected Pips for delivery from now on through the Summer and Autumn, \$15.00 per 1000.

LORRAINE BECONIAS, healthy stock, 2¼-inch pots.

Immediate Delivery: \$3.00 per doz.; \$22.50 per 100; \$200.00 per 1000.

June—August Delivery: \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000

ARTHUR T. BODDINGTON, 35 Warren St., New York.

NICKEL PLATE.

The New York, Chicago & St. Louis R.R.

NO
EXCESS
FARE
ON ANY
TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

VEGETABLE PLANTS

SWEET POTATOES, yellow Jersey, now, \$1.25 per 1000; \$10.00 per 10,000.

TOMATOES, in variety from seed bed, \$1.00 to \$1.50 per 1000. Transplanted, \$2.50, \$5.00 and \$7.50 per 1000. Very strong and stocky.

A few million CABBAGE, Danish Ballhead, Winter, from special imported seed, and other varieties. Strong, field grown.

Also a few million CELERY in varieties, \$1.00 per 100; \$8.50 per 10,000; 15c per 100. Transplanted CELERY, White Plume, now ready, \$2.50 per 1000.

PEPPER, Sweet Mountain, Ruby King, Cayenne, and 6 others, \$1.50. Strong transplanted, \$3.50 per 1000.

EGG PLANT, CAULIFLOWER, CELERIAC, LEEK, PARSLEY, SAGE. Price list mailed free. Cash with order.

LUDVIG MOSBAEK, Onarga, Ill.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

ACCORDING to a report relative to the Adirondack forests issued by the Department of Agriculture it appears that fires in the woods in that region last year destroyed \$3,500,000 worth of property. The charge is made that, because of the system in force of paying fire wardens only for actual time spent in fighting fires, much of the loss may be attributed to incendiarism. If this be true it is time the manner of paying for such services was radically changed and a severe penalty prescribed for those found guilty of such a dastardly crime.

Cornell School of Landscape Gardening.

Professor Bailey, of the Cornell College of Agriculture, announces that the college will add to its curriculum a school of landscape gardening. The recent appropriation of \$250,000 made by the state has enabled the college to branch out in this direction. The school of landscape work will be started with the city of Ithaca as the laboratory in which the students will work. One of Professor Bailey's schemes is to induce the city of Ithaca to give one street to the college for experiment. This thoroughfare the college will beautify and develop in a systematic manner as an example of what may be done by scientific landscape work.

The low swamp lands at this end of Lake Cayuga have always been unsightly and a menace to health. These Professor Bailey proposes to convert into a park system as soon as the present plans for lowering the lake level mature. Professor Bailey asserts that when the plans of the college are carried out it will be the garden city of America. The university has also bought two farms which later will be transformed into parks.

Cincinnati Parks.

ED. AM. FLORIST:—In your Cincinnati notes of May 14 the following appears,

The daily press in the past year has been printing some glowing articles about expending \$1,000,000 for public parks, but up to the present time it is all talk and no action. We hope our city fathers will get busy in the near future and spend some of the taxpayers' money for this purpose.

Your correspondent, "A. O.," either does not know what he is writing about or has very little regard for the truth. The fact of the matter is this: Five hundred thousand dollars' worth of bonds are now being advertised for the purpose of purchasing 700 different pieces of property which are in process of condemnation by the city for the downtown parks. The necessary legislation for the same has all been passed by the council of the city, and property holders have been notified that the property is to be taken for park purposes, and, as before stated, the auditor is now advertising for the first one-half million dollars to be used for the purpose of paying for same.

The matter of buying \$1,000,000 worth of parks and condemning over 700 different pieces of property for the purpose is

not a matter of boy's play, but within twelve months this property will be in the possession of the city.

B. P. CRITCHELL,
Superintendent of Parks.

Winter's Effect on Trees and Shrubs.

AT CHICAGO.

The last winter, although a very severe one, did less damage to trees, shrubs and other vegetation in this vicinity than one would suppose. The lilacs are much finer this spring than they have been for several years. Both the white and pink varieties are loaded with bloom. Viburnums, barberries and weigelas are also very thrifty. All shrubs, in fact, are in excellent condition.

Among the trees the healthy ones are leafing out vigorously, but many of those which were in a sickly state last fall failed to survive the winter. Especially is this true of the negundo and elm. The robinias while apparently not in the least injured are coming out much later than usual. I have looked over much material that was planted last fall and on the whole have no comment to make other than that the plants wintered in good condition.

Some Akebia quinata plants planted out last spring, which are usually injured more or less in winter, are green this spring to the very tops of the vines. Altheas in unsheltered positions are severely injured, while deutzias (usually quite tender here) came out beautifully. With the hardy roses, while they were frozen down much lower than usual, after having been severely pruned they are doing very nicely and give promise of an abundance of bloom. I have observed, however, that the moss varieties are badly injured.

As far as I can observe the condition of the herbaceous and perennial plants is good. All of the peonies I have seen this spring have an unusual supply of buds. Pentstemons, gypsophilas, delphiniums, dianthus, aconitums and in fact all plants of this character are none the worse for having passed through the ordeal. As most of my observations have been confined to plants growing on drained land I may, perhaps, be too optimistic as to the general effect of the winter on vegetation. It may be that many things suffered badly with some of the nurserymen who had trees and shrubs growing on low and undrained land, as the frost went down very deep (three and one-half feet in places) and its action on the roots must have done much harm in such situations.

Many old established lawns have great patches of dead turf in them and the newer ones that were made by sowing last spring and fall are in many places entirely killed and it will be necessary to make them over. This spring has been so dry and cold that early sown grass seed could not germinate, hence additional seed is needed. I do not know the condition of the grass seed market, but I believe the demand for lawn seed must have almost doubled this spring. All weeds, such as plantains, dandelions, burdocks, door-yard weeds, thistles, etc., are very much in evidence. I have never seen so many really healthy weeds as we are pestered with in lawns this spring, especially dandelions. It would be a difficult matter to find a lawn about Chicago entirely free from them. The demands for top-dressing and black soil have kept the contractors in this line very busy filling the many orders.

E. A. KANST.

BLOOMING-GREEN

THE BEST ROSE NOVELTY.

Dwarf
Crimson
Rambler

Vaughan's
Seed Store
CHICAGO,
NEW YORK.

ORDERS BOOKED NOW.

ATTENTION NURSERYMEN and FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Peonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot.

W. VAN KLEEF & SONS,
The Nurseries, Boskoop, Holland.

Please mention the American Florist when writing.

Rhododendron Maximum.

Hardy anywhere. Well-rooted layers and young plants, 10 to 24 inches high at \$10.00 per 100. Plants for immediate effect 20 to 48-inch at 50c to \$2.00 each. No extra charge for packing.

A. E. WOHLERT, 6222 Broad St.,
PITTSBURG.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE,
PA.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

Jacs. Smits, Ltd.

NAARDEN and BOSKOOP, HOLLAND.

Growers of Pot-grown Forcing Plants, Roses, Valley, Spiraeas, Evergreens and all kinds of Ornamental Nursery Stock.

Ask for price list and let us estimate on your list of wants. Address till June 1st. JACS. SMITS,
care Mullus & Ware, 136 Water St., New York.

2,500 Norway,

Sugar and Sycamore Maples.

12 to 18 feet high. Will caliper up to 3-in.
At bottom prices.

J. J. STYER, Concordville, Pa.



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THE MOON
Company

For } Trees, Shrubs, Vines
Your } and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

Clematis.

Pot-grown..... \$2.50 per dozen.
Centaurea, Fern-Leaved, per 100..... \$3.00
Peonies, magnificent lot of flowers for decorations. Lowest prices. Also single and double Poet's Narcissus.

F. BALLER, Bloomington, Ill.

THE BEST ADIANTUM EVER INTRODUCED TO THE FLORISTS' TRADE.

Introducer's Description A free grower, the darkest green of the Adiantum family and longest stemmed. It has also the most graceful foliage; the average length of the fronds measuring 30 inches. It is by far the best keeper. Cut fronds can be kept fresh several weeks in a cool place. It is also one of the best ferns for a dwelling house. I have given presents of this fern to several Utica friends, and from my own observation, note it grows better than the Boston fern. I gave up rose cultivation some ten months ago in order to devote all my attention to fern cultivation for cut fronds. I find from the same amount of bench room this fern pays me \$1.50 to every \$1.00 obtained from roses.

PETER CROWE.

What Other People Say About It.

BUFFALO BOTANICAL GARDENS, Buffalo, N. Y.

"We are very much pleased with the Adiantum Croweanum you sent us, and thank you very much. Aside from its great value as a cut fern, it proves to be admirable as a decorative plant. And as a keeper, I do not know its equal."

ALEXANDER MONTGOMERY, Natick, Mass.

"I am very pleased to hear that you have decided to put plants of your fern Adiantum Croweanum on the market. I have always been more or less interested in it, as I understand it originated from some plants of Adiantum cuneatum that I sold you at Waban Conservatories in the early 80's. I remember the circumstances very well, as I sold the balance of our stock to Robert Craig, in 1890.

"Wishing you every success with it."

JOHN I. RAYNOR, New York City, N. Y.

"During the two years in which I have had the sale of the fronds of Adiantum Croweanum in New York City, the demand has at all times far exceeded the quantity you have been able to supply me with, at \$1.50 per 100, while ordinary cuneatum has been, as a rule, in over-supply at half that price.

"It is without question the best fern for cut fronds ever seen in this market."

SAMUEL S. PENNOCK, Philadelphia, Pa.

"I consider your Adiantum Croweanum a very valuable acquisition to this line of ferns. It is an excellent commercial variety, a good keeper, and has given the best satisfaction wherever we have sold it. Our customers much prefer paying an extra price for it than buying the commoner varieties. The great trouble we find is we cannot get enough to meet our customers' wants."

The following firms also act as General Agents for this new Adiantum, and orders may be supplied through them:

H. A. DREER, Philadelphia, Pa.
VAUGHAN'S SEED STORE,
Chicago and New York.

F. R. PIERSON CO.,
Tarrytown, N. Y.

C. C. POLLWORTH,
Milwaukee, Wis.

E. F. WINTERSON CO.,
Chicago, Ill.

LAKEVIEW ROSE GARDENS,
Jamestown, N. Y.

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

A. N. PIERSON, Cromwell, Conn.



A GREAT ACQUISITION. The best of all ferns for cut fronds. Brings the highest prices. The easiest to grow and the easiest to sell. Has received the highest encomiums from the leading cut flower dealers in the country. Buy now. Buy liberally and reap the benefits.

ADIANTUM CROWEANUM originated at Utica, N. Y., about fourteen years ago, and has been extensively grown by the original owner, Mr. Crowe, who has received phenomenal prices for the cut fronds in the New York and other markets and has created a great demand for it.

The fronds are long, elegantly proportioned and of a texture that renders it the best keeper and shipper of all Adiantums. It is a very free and continuous grower, requires no rest and responds readily to fertilizers. Anyone can grow it, and get good money for it.

Will be ready to ship **JULY 1st, 1904**, out of 3-inch pots, strong plants at the following prices: \$5.00 per dozen; \$35.00 per 100; \$250.00 per 1000. 25 at 100 rate; 250 at 1000 rate.

W. F. KASTING, SOLE DISTRIBUTOR, 383-87 Ellicott St., Buffalo, N. Y.

S. S. SKIDELSKY, Traveling Representative, Mail Address 708 N. 16th St., PHILADELPHIA, PA.

Our Pastimes.

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

The New York bowlers have secured accommodations for howling practice far superior to those occupied heretofore. They are on West Twenty-third street just below the corner of Sixth avenue. Ten bowlers were present at the meeting on the new alleys on Tuesday evening and all expressed gratification at the change. Scores were recorded as follows:

PLAYER.	1st	2d	3d	4th
Siebrecht.....	143	131	135	151
O'Mara.....	122	123	129	144
Stewart.....	121	106	96	115
Shaw.....	93	138	102	110
Nugent.....	117	73	106	
Guttman.....		134	154	120
Frank.....			117	106
Gibbs.....			161	121
Lang.....				150
James.....				142

At Chicago.

The second series of the handicap tournament of the Florists' Club bowling team was rolled Tuesday evening at Mussey's alleys. Several new names were added to the list of competitors, and what promises to be one of the most hotly contested matches in the history of the club is now fairly under way. F. Stollery had his howling togs on, and in three of the five games he passed the 200 mark, increasing his lead with a comfortable margin over all the others. The scores follow:

PLAYER.	1st	2d	3rd	4th	5th
Asmus.....	158	162	172	139	141
Balluff.....	161	136	136	156	158
Scott.....	180	148	139	168	152
F. Stollery.....	170	200	204	148	224
Stevens.....	160	118	132	127	116
Ed. Hauswirth.....	136	146	142	147	
E. Winterson.....	120	140	146	67	113
Huebner.....	163	131	162	145	110
Deguan.....	143	154	154	143	163

At St. Louis.

The following are the scores of the last meeting of the Florists' Club bowlers:

PLAYER.	1st	2d	3d
Beneke.....	172	170	172
Miller.....	129	172	179
Mienhardt.....	125	151	109
Ellis.....	132	131	106
Weber, Jr.....	132	126	119
Kuehn.....	192	154	155

Oscar Beneke.....	147	131	180
Weber, Sr.....	122	190	155
Ed Gerlach.....	90	92	121
Beyer.....	153	153	165

Asbury Park, N. J.

Rufus K. Abbott, one of the young old-time florists of New York, who has been in the business for thirty-one years, has opened an attractive retail establishment on Main street at the head of Wesley lake. The store has been fitted up very attractively with mirrors, tables and decorations, and a \$200 cold storage showcase has been installed. For the past four years Mr. Abbott has been connected with the Ralston establishment in this city, and was previously engaged in the business in New York. Mr. Abbott distinctly remembers when there were but two wholesalers in the latter city, and has seen the business steadily attain to its present enormous proportions. We wish him every success in his new venture.

RANTOUL, ILL.—H. M. Morris has installed a thirty horse-power boiler at his greenhouses. His growing business has necessitated the erection of three new greenhouses, work on which will commence as soon as the spring rush is over.

NEW CROP FERNS READY NOW.

FANCY, \$1.25 per 1000. DAGGER, \$1.00 per 1000.

SPECIAL PRICES ON LARGE SHIPMENTS. WHOLESALE TRADE SOLICITED.

CALDWELL THE WOODSMAN COMPANY, Evergreen, Ala.

Please mention the American Florist when writing.

Notice to the Trade.

Peter Weiland,

Successor to Reinberg & Weiland

Has leased Room 18, 128 East Third St., Cincinnati, Ohio, for Wholesale Business. The greenhouses at New Castle, Ind., are planted with American Beauty, Bride and Bridesmaid Roses, four benches of Asparagus and one bench of Sweet Peas. I also have a field of 4,000 Peonies, which will produce from 40,000 to 50,000 flowers, ready to pick from June 1.

PRICE LIST.

AMERICAN BEAUTY.		Per doz.	Per 100
36-inch stems		\$3.00	
24 to 30-inch stems.....		2.50	
12 to 18-inch stems	\$1.00 to	1.50	
Short stems.....		2.50	
Brides, long.....		4.00	
Brides, medium		\$3.00	
" short.....		2.00	
Maids, long		4.00	
" mediums		3.00	
" short.....		2.00	
Peonies.....		\$4.00 to	6.00

NOW READY 50,000 Boston Ferns FOR IMMEDIATE DELIVERY.

Extra strong, transplanted plants. PRICES: \$5.00 per 100; \$40.00 per 1000.
Special prices on larger quantities. Send 10 cts. for sample plant.

I HAVE ALSO A SPLENDID STOCK OF THE FOLLOWING:

- DRACÆNA INDIVISA** fine plants in 8-inch pots, 3½ to 4 feet high, which I will close out at \$18.00 per dozen.
DRACÆNA TERMINALIS fine strong stock, in 2½-inch and 3-inch pots, ready for potting into 4-inch. Price, \$10.00 per 100; \$80.00 per 1000.

Don't forget that the finest Commercial Nephrolepis in existence, **NEPHROLEPIS SCOTTII**, is to be sent out early in June. See other issues of the AMERICAN FLORIST for description and testimonials from the most prominent Growers and Retailers of Plants in America.

JOHN SCOTT, Keap Street Greenhouses, **Brooklyn, N. Y.**
TEL. 1207 WILLIAMSBURG,

Seasonable Stock! Order Now!

	Per 100		Per 100
ASPARAGUS DECUMBENS, 2½-inch.....	\$ 4.00	GERANIUMS, A. B. Trego, E. E. Rexford, Beaute Poitevine, Mary Hill, A. Riccard, Le Colosse, J. J. Harrison, Pasteur, Queen of the West, Little Pink, Mrs. Hill, Double New Life, Jean Viaud, Mrs. A. Blanc, Mme. de la Roux.....	3.00
" MYRIOCLADUS, 8-inch pots..... each,	\$7.00	GERANIUMS, Mt. Snow; Mrs. Parker.....	4.00
" PLUMOSUS, 2½-inch.....	4.00	" Mrs. Pollock.....	5.00
" " 3-inch.....	7.00	" Wm. Languth.....	8.00
" " 4 inch.....	15.00	GREVILLEA ROBUSTA, 2½-inch.....	3.00
" " 5-inch.....	25.00	HIBISCUS, named sorts.....	2.50
ABUTILON, Pres. McKinley.....	4.00	JAPAN IRIS, Imported clumps, 25 kinds.....	15.00
AGERATUM, Princess Pauline, Louis Bonnet.....	2.00	HYDRANGEA OTAKS, Thos. Hogg and Red Stemmed.....	4.00
ALYSSUM, Double Giant.....	2.00	" PANICULATA GRANDIFLORA, 3-feet.....	12.00
ACALYPHA, Bicolor Compacta, 2½-inch.....	3.00	" " 18-inch.....	8.00
AMPELOPSIS VEITCHI, 2 to 3-feet, bushy.....	14.00	LAVENDER, Sweet, 2-inch.....	2.50
" 3 to 4-feet, heavy.....	16.00	LANTANA, Weeping.....	2.50
BROWALLIA GIGANTEA, 2½ inch.....	4.00	LEMON VERBENAS, 4-inch.....	3.00
BDUGAINVILLEA GLABRA, 4-inch.....	doz., \$1.50	MARGUERITES, California White.....	2.50
CALLA, Little Gem, 2-inch.....	3.00	" " Etoile d'Or.....	2.50
CYPERUS ALTERNIFOLIUS.....	2.50	PELARGONIUMS, best named sorts, 2½-inch.....	5.00
CARNATION, Indianapolis, 2-inch.....	8.00	" " best named surts, 4-inch.....	12.50
" Mrs. Patten, 2-inch.....	10.00	PENNISETUM LONGISTYLUM, 2½-inch.....	4.00
CHRYSANTHEMUMS, best standard sorts.....	2.50	PHYLLOCACTUS DEUTSCHE KAISERIN, 3-inch.....	15.00
" " Wm. Duckham.....	doz., \$7.50	PHLOX, Hardy, best named kinds, 2-inch.....	4.00
" " Dr. Enguehard.....	doz., 5.00	" " Hardy, best named kinds, 1-year field roots.....	10.00
" " Golden Chain.....	10.00	PRIMULA OBCONICA, 3-inch.....	4.00
CYCAS STEMS.....	per 100 lbs., \$8.00	" " 4-inch.....	6.00
CLEMATIS PANICULATA, 4 year old.....	15.00	PANDANUS UTILIS, 5-inch.....	doz., \$4.00
DAHLIAS, Kriemhilde and Brunhilde, 2-inch.....	15.00	SAGE, Hit's Mammoth.....	2.50
" " Named sorts, standard kinds, 2-inch.....	4.00	SALVIA AUERBON, New Golden Leaf.....	4.00
DRACAENA BRUANTI, 5-inch pots, 24-inch high.....	doz., \$5.00	SALVIA VARIEGATA, 2-inch.....	2.50
FUCHSIAS, named kinds, 2-inch, strong.....	2.00	" " 4-inch.....	10.00
FERNS, assorted for fern dishes, 2-inch.....	3.50	ROSES, Clothilde Souppert, 2-inch.....	3.00
" BOSTON, 2½-inch, very strong.....	5.00	" " 3-inch.....	6.00
" " 3-inch, very strong.....	10.00	" " 4-inch.....	10.00
" " 4-inch, very strong.....	20.00	" " Mad. Petite Andre, 3-inch.....	7.00
" ADIANTUM FARLEYENSE, 2½-inch.....	8.00	" " Souv. Pierre Notting, 4-inch.....	10.00
" " 3-inch.....	12.00	" " Evergreen Gem, Triumph, 2-inch.....	2.50
" " 4-inch.....	25.00	" " Universal Favorite and South Orange Perfection, 2-inch.....	2.50
" " CHARLOTTE, 4-inch.....	15.00	" " Ivory, 2 inch.....	\$3.00; 4-inch.....
" " CUNEATUM, 3-inch.....	6.00	" " Bedding, assorted, 2½-inch.....	3.50
" " 4-inch.....	15.00	H. P. ROSES, La France 2-year dormant.....	11.00
" " 5-inch.....	25.00	" " Magna Charta, Ullrich Brunner.....	11.00
" PIERSONI, 5-inch from stock.....	doz., \$6.00	" " American Beauty.....	11.00
" " 7-inch from stock.....	doz., 12.00		
" " 8-inch from stock.....	doz., 18.00		

VAUGHAN'S SEED STORE, Chicago. Greenhouses and Nurseries, Western Springs, Ill.

American Beauties

Yes, we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a

lot of cull stock we wish to dump. But we have a clean healthy lot of plants which we are offering at very low prices. We intend to establish a reputation on our goods and want your order. The goods are right—but if you don't think so, return them and you can have your money back. Send a dollar for samples if you are dubious. 3-inch, \$6.00 per 100; \$55.00 per 1000. 4-inch, \$8.00 per 100; \$75.00 per 1000.

GRAND RAPIDS VIOLET CO.
163 Madison Ave., GRAND RAPIDS, MICH.

Roses

3,000 BRIDESMAID ROSES, from 3½ and 4-inch pots, extra fine for sale, \$4.50 per 100; \$40.00 per 1000.

E. T. GRAVE,
RICHMOND, IND.

Wholesale Grower of

CARNATIONS AND ROSES.

ROSES FOR FORCING Nice healthy stock, selected from well-grown plants. Sure to give good results.

2¼-in. per 100, 3-in. per 100		
American Beauty.....	\$5.00	\$8.00
Perle	3.00	6.00
Meteor.....		6.00
Bridesmaid, extra fine.....	3.00	
Bride.....	3.00	5.00
Golden Gate	3.00	5.00
Ivory.....	3.00	5.00

Special price on thousands.

BOSTON FERNS 2¼-in. \$3.50 per 100, 3-in. \$8, 5-in. \$25 and 6-in. \$40. Also some fine specimens in pans. VINCA VAR., 2¼-inch pots, \$3.00 per 100.

Note the low prices on the smaller sizes.
W. H. CULLETT & SONS, Lincoln, Ill.

American Beauty 3-inch, \$6 per 100

BRIDE and BRIDESMAID, 3-inch, \$4.00 per 100. GOLDEN GATE, 2¼ x 2¼-inch, \$2.00 per 100. ASTERS—Hohenzollern, Giant Comet, Carlson, Japanese, from flats, 75c per 100; \$6.00 per 1000. COBEA VINES, 5-inch, \$2.00 per doz.

RHOTEN BROS. CO., Box 5, Danville, Ill.

Rose Plants

BRIDE and BRIDESMAID, from 2¼-in. pots, \$3.50 per 100; \$30.00 per 1000; from carefully selected wood—worth the price.

L. B. CODDINGTON, Murray Hill, N. J.

ROSES.

FOR SUMMER BLOOMING.

4-inch Kaiserin, strong and fine, per 100.... \$10.00
2-inch La France, per 100..... 3.00
1,500 2-inch American Beauty, ready for a shift, per 100..... \$15.00; per 1000..... 5.00
Santolina, 2-inch pots, per 100..... 2.50

CRABB & HUNTER, Grand Rapids, Mich.

50,000 CARNATIONS

From flats outside and well HARDENED, fit to plant: Louise, Hill, Joost, Crocker, Marquis, Eldorado and Crane, in equal proportion, \$15.00 per 1000; \$2.00 per 100.

Clematis Jackmani, 2 year, field vines, fine, \$2.50 doz. Clematis paniculata and Wistaria magnifica, blue, 75c doz. Ampelopsis Veilchi, 2 year field grown, \$6.00 per 100, dormant, pot grown, long tops, \$4.00 per 100. Vinca major var. 4-in. 8c; 3-in. 5c. Pæonia Roots, double white and double rose, \$1.25 doz.; singles, 50c doz. Hydrangea Olakaa, 4-in. 75c doz. Paniculata grandiflora and Viburnum plicatum, 3 year old bushes, fine, \$1.50 doz. Conventio Hall and 8 other leaders in 'Mums. Send for list. Cannas, Bedding Stock, etc. Cash.
BENJ. CONNELL, West Grove, Pa.

American Florists Always do business, Week days and every day, Sundays and holidays. All over the country. At home and abroad.



NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.

Please mention the American Florist when writing

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN.

LIBERTY, 3½-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN GATE, 3½-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

American Beauties.

Plants from 2½-in. pots, clean and healthy, \$5 per 100; \$45 per 1000.

JOHN MUNO, Rogers Park, Chicago, Ill.

Rose Plants

QUEEN OF EDGELY, 2¼-inch, per 100, \$8.00; per 1000, \$55.00. 3-inch, per 100, \$8.00; per 1000, \$75.00.

OLD STOCK, per 100..... \$8.00

GEO. HARRER, Morton Grove, Ill.

AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROS., New Castle, Ind.
South Park Floral Company.

Rose Plants. Extra Choice.

Guaranteed strong, healthy stock.

In 3-inch pots.		Per 100	1000
Golden Gate.....		\$1.50	\$35.00
Bride.....		5.00	40.00
Bridesmaid.....		5.00	40.00
Mme. Chatenay.....		6.00	55.00

—Above prices cash with order.—

JOHN BROD, Niles Center, Ill.

Please mention the American Florist when writing.

American Beauty Roses

Finest plants we have ever offered, in 2½-inch and 3-inch pots. Write

GEO. A. KUHL, PEKIN, ILL.
Please mention the American Florist when writing.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID.....	\$3.00	\$25.00
BRIDE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00
LIBERTY.....	5.00	45.00
AMERICAN BEAUTY.....	5.00	45.00

In 3-inch Pots.

BRIDESMAID.....	\$4.00	\$35.00
BRIDE.....	4.00	35.00
PERLE.....	4.00	35.00

ROOTED CARNATION CUTTINGS.

	Per 100	1000
PROSPERITY.....	\$2.00	\$15.00
GUARDIAN ANGEL.....	1.50	12.50
JOOST.....	1.50	12.50
FLORA HILL.....	1.50	12.50
WHITE CLOUD.....	1.50	12.50
QUEEN LOUISE.....	1.50	12.50

GEO. REINBERG.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

DECORATION DAY FLOWERS

BASSETT & WASHBURN'S PRICE LIST:

BEAUTIES —Extra long stems..... per doz., \$3.00	MIXED ROSES —Our Selection..... per 100, \$4.00
Medium long stems..... per doz., \$1.00 to 2.00	CARNATIONS —Extra Fancy..... per 100, 5.00
Short stems..... per doz., .50	White and Lawson..... per 100, 4.00
BRIDES, KAISERIN and MAIDS per 100 4.00 to 8.00	Good Average Colored..... per 100, 3.00
LIBERTY, CARNOT and CHATENAY per 100 4.00 to 12.00	

*These prices vary, according to length of stems, from short to extra select long.

CAPE JASMINES { Per 100 } - \$1.00 to \$1.50	SMILAX , fine strings, { Per doz. } - - - \$1.50
EASTER LILIES { Per 100 } , very fine, 6.00	ASPARAGUS , Per String, - - - .50
ASPARAGUS SPRAYS { Per 100 } , \$2.00 to 3.00	

GRAFTED ROSES READY NOW.

We have grafted 100,000 Rose Plants on Manetti, all from choice flowering wood. This is the best stock we are able to produce and sure to give satisfaction. If your rose stock is running down give grafted plants a trial. Ready for immediate shipment.

Bridesmaids - \$12.00 per 100 Liberties - \$15.00 per 100
Chatenay Rose Plants, 2½-inch, \$6.00 per 100; \$50.00 per 1000

Bassett & Washburn

Greenhouses, Hinsdale, Ill. Office and Store, 76 Wabash Avenue, CHICAGO.

Rose Plants.

Strong Stock from 2½-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	1000
AMERICAN BEAUTY	\$6.00	\$50.00
MME. CHATENAY	6.00	50.00
SUNRISE	5.00	40.00
KAISERIN	3.00	25.00
LIBERTY	5.00	40.00
MAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	3.00	25.00
IVORY	3.00	25.00

Rose Bushes.

2-year Old Plants from Benches.

	Per 100	1000
AMERICAN BEAUTY	\$6.00	\$50.00
LIBERTY	6.00	50.00
BRIDESMAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
IVORY	3.00	25.00
GOLDEN GATE	3.00	25.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO.

ROSES...

Maid, Bride, Gate, 2½-inch, per 1000.....	\$25.00; per 100.....	\$3.00
Maid, Bride, Gate, 3½-inch, per 1000.....		\$50.00
Cut back benched Beauties, per 1000.....	\$50.00	
2½-inch Beauties, per 1000.....	50.00	
Cut back benched Teas, per 1000.....		\$40.00
3½-inch Beauties, per 1000.....		75.00

CHRYSANTHEMUMS.

	Cuttings 2½-in. pot per 100	Cuttings 2½-in. pot per 100
WHITE	\$2.50	
Willowbrook.....	1.50	
Estelle.....	1.50	2.50
Geo S. Kalb.....	1.50	2.50
Timothy Eaton.....	2.00	3.00
Merry Christmas.....	1.50	2.50
Wanamaker.....	1.50	2.50
Robinson.....	1.50	2.50
Chadwick.....	2.50	4.00
Fitzwygram.....	2.00	3.50
White Bonnaffon.....	2.00	3.00
Crawford.....	2.00	3.00
Ivory.....	1.50	2.50
Jones.....	1.50	2.50
YELLOW		
Bonnaffon.....	1.50	2.50
Appleton.....	1.50	2.50
E. D. Smith.....	1.50	2.50
Omega.....	1.50	2.50
Whilldin.....	1.50	2.50
Parr.....	1.50	2.50
Sunshine.....	1.50	2.50
Yellow Jones.....	2.00	3.00
Yellow Eaton.....	2.50	4.00
Pennsylvania.....	2.00	3.00
YELLOW		
Golden Wedding.....	2.00	3.00
Gold Mine.....	2.50	3.50
Monrovia.....	2.00	3.00
Nagoya.....	2.00	3.00
Chautauqua Gold.....	2.00	3.00
Robert Halliday.....	1.50	2.50
Eclipse.....	2.50	4.00
PINK		
Murdock, Perrin, Morel, Pacific.....	1.50	2.50
Coombs, Shaw, Quito.....	2.00	3.00
Richardson, Liger, Heno, Maud.....		
Dean.....	1.50	2.50
Duckham, Sensational Pink.....	25.00	30.00
RED		
Childs, Intensity, Schrimpton.....	2.00	2.00
BRONZE		
Lady Hanham.....	2.00	3.00
Percy Plumeridge.....	6.00	8.00
Moubier.....	1.50	2.50
C. J. Salter.....	6.00	8.00
T. W. Pockett.....	6.00	8.00
Lord Hopetoun.....	10.00	12.00

Headquarters for Finest Cut Roses and Carnations. Shipments made direct from Greenhouses or Store.

POEHLMANN BROS., Morton Grove, Cook County, Ill.

AMERICAN BEAUTY ROSES.

Own root, strong plants from 2½-inch pots, now ready.
\$6.00 per 100; \$50.00 per 1000.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Fine Rose Plants

BRIDE and BRIDESMAID

3 1/2-in. pots, ready to plant.
Must be sold at once.

The Cleveland Cut Flower Co.
52 & 54 High St., CLEVELAND, O.

Per hundred, \$4.50
Per thousand, \$40.00

CASH WITH ORDER.

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100;
\$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3 1/2-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimsons. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEENS, L. I.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sund. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000

	Per doz.	Per 100	Per 1000
Flamingo, fine scarlet.....	\$3.00	\$30.00	\$300.00
Mrs. M. A. Patten, fine variegated....	3.00	30.00	300.00
Crusader, scarlet.....	2.00	20.00	200.00
Reliance, white.....	2.00	20.00	200.00
—50 at 100 rate.—			
	Per 100	1000	
Harlowarden, best crimson.....	\$5.00	\$50.00	\$500.00
Governor Lowndes, finest white.....	6.00	60.00	600.00
Genevieve Lord.....	2.50	25.00	250.00
Mrs. E. A. Nelson.....	3.00	30.00	300.00
Norway.....	2.50	25.00	250.00
	Per 100	1000	
Prosperity..	\$3.00	\$25.00	\$250.00
Sibyl.....	4.00	30.00	300.00
Lillian Pond.	4.00	35.00	350.00
Gov. Wolcott	4.00	35.00	350.00

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

Loomis Floral Co., CARNATIONS,

Loomis, Cal.

Decoration Day

Is soon past, and you begin to think it is time to throw out those old roses. Remember, anything you need in that line for planting at once, can be had by writing

GEO. A. KUHL, PEKIN, ILL.

**JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.**

THE GRAND NEW ROSE

La Detroit

Now in 3-inch pots, \$25.00 per 100; \$200.00 per 1000.

Surplus Stock.	Own Root.
1,000 Grafted Bridesmaids \$12.00 per 100 500 Grafted Mme. Cusin... 12.00 per 100	1,000 Perles, 3-inch..... \$8.00 per 100 500 Mme. Cusin, 3-inch..... 8.00 per 100 1,000 Bon Silene, 2 1/2-inch... 6.00 per 100

John Breitmeyer's Sons,

Gratiot and Miami Avs., DETROIT, MICH.

Please mention the American Florist when writing.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, METEOR, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

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THE BEAUTIFUL NEW ROSE.

La DETROIT.

—STRONG, 3-INCH, \$25.00 PER 100.—

DON'T DELAY IN PLACING YOUR ORDER FOR THE MOST WONDERFUL CARNATION OF THE AGE

"FIANCEE"

To be disseminated January 1905. You will want it. Get it early. \$12.00 per 100; \$100.00 per 1000. For larger quantities write us.

CHICAGO CARNATION CO.,

Jas. Hartshorne,
Mgr. Joliet, Ill.

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OUR DIRECTORY FOR 1904 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

ORCHIDS

J. BALME & CO., 2a Plateros No. 5, P. O. Box 628, MEXICO CITY.

THE LARGEST and FINEST STOCK IN THE REPUBLIC.

We have just collected a beautiful lot of **ONCIDIUM TIGRINUM BARKERI**, the best type and many other varieties for Cul Flowers.

SEND FOR PRICES AND CATALOGUES

15 Per Cent Discount on all orders to Clean Up Surplus for the next 60 days. Write me your wants at once.

STOCK PLANTS, ROOTED CUTTINGS and PLANTS in SMALL POTS.

The Home of Chrysanthemum Stock. Roses, Violets, Geraniums and Carnations For Sale.

WHEN YOU ORDER TURN TO ISSUES JANUARY 2nd AND 9th, 1904, FOR PRICES AND VARIETIES.

BEACH, THE FLORIST,

LEADS. WHY NOT BUY DIRECT?
Store No. 8 Post Office Arcade, BRIDGEPORT, CONN.
Greenhouses, 2082 Park Ave. David S. Beach, Prop.

Chrysanthemums.

Fine young plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000. Ready for immediate delivery.

Ivory	Maud Dean
Mrs. J. Jones	Pink Ivory
Golden Wedding	Polly Rose
Nagoya	Chadwick
Maj. Bonnaffon	Lady Harriet
Nellie Pockett	Robert Halliday
White Bonnaffon	Timothy Eaton
Col. D. Appleton	Mrs. Coombes
Lavender Queen	Vivian-Morel
Algoma	Globosa Alba
Minnie Bailey	Omega
Geo. S. Kalb	Minnie Wannamaker
Xeno	Mrs. H. Weeks
Mrs. H. Robinson	Glory of Pacific
Florence Molyneux	

NATHAN SMITH & SON, ADRIAN, MICH.

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NEW PINK CHRYSANTHEMUM AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3 1/2 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$50.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y.
Jamaica P. O., Woodhaven Station.

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It is good business policy
.....to mention the

American Florist

When you write to an advertiser.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

	Cuttings per 100	Cuttings per 1000	2-in. pot pnts 100		Cuttings per 100	Cuttings per 1000	2-in. pot pnts 100	
WHITE.					YELLOW.			
Timothy Eaton.....	\$2.00	\$15.00	\$3.00	Col. Appleton.....	1.50	12.50	2.00	
Chadwick.....	2.00	15.00	3.00	Major Bonnaffon.....	1.50	12.50	2.00	
White Bonnaffon.....	1.50	12.50	2.00	Yellow Mayflower.....	1.50	12.50	2.00	
Wanamaker.....	1.50	12.50	2.00	Omega.....	1.50	12.50	2.00	
Geo. S. Kalb.....	1.50	12.50	2.00	PINK.				
Estelle.....	1.50	12.50	2.00	Wm. Duckham.....	25.00			
Robinson.....	1.50	12.50	2.00	Mrs. Murdoch.....	1.50	12.50	2.00	
Ivory.....	1.50	12.50	2.00	Vivian-Morel.....	1.50	12.50	2.00	
Merry Xmas.....	1.50	12.50	2.00	Mme. Perrin.....	1.50	12.50	2.00	
Polly Rogers.....	1.50	12.50	2.00	Pacific.....	1.50	12.50	2.00	
White Mayflower.....	1.50		2.00	M. Newell.....	1.50			
YELLOW				Richardson.....	1.50			
Golden Wedding.....	1.50	12.50	2.00	Lavender Queen.....	1.50			
Golden Beauty.....	1.50	12.50	2.00	J. K. Shaw.....	1.50			
October Sunshine.....	1.50	12.50	2.00	RED.				
				Oakland.....	1.50		2.00	

ROSE PLANTS.

In 2 1/4-inch pots.	Per 100	1000	In 2 1/2-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.

51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

METEOR ROSE PLANTS 2 1/2-INCH POTS.

An elegant stock of **METEOR** plants; clean, healthy and strictly first-class. This is a choice lot and I am offering them at \$20.00 per 1000.

J. A. BUDLONG, 37 Randolph St., CHICAGO.

S. S. Skidelsky, 708 N. 16th St., Philadelphia.

50,000 Alternantheras **RED** and **YELLOW.**
Rooted Cuttings 50c per 100; \$4.00 per 1000;
in lots of 5,000 or over \$3.50 per 1000.
DAVIS BROS., Morrison and Geneva, Ill.

A PROSPEROUS FLORIST

Ceraniums, Mme. Thibaut, double pink, La Favorite, double white, S. A. Nutt, double crimson, out of 4-inch pots, \$7.00 per 100.
Ageratum, blue, 4-inch, \$6.00 per 100; 3-inch, \$5.00 per 100.
Begonia, Vernon and Erfordi, 4-inch, \$7.00 per 100.
Heliotropes, blue, 4-inch, \$6.00 per 100.
Roses, Hermosa and Hybrid 4-inch, \$10.00 per 100.
Hardy or English ivies, 4-inch \$10.00 per 100; 3 inch, \$7.00 per 100; 2½-inch, \$5.00 per 100.
Cobaea Scandens, 4-inch strong, \$6.00 per 100.
Begonia, Tuberous, rooted, 5½-inch pots, in bloom and bud, \$2.50 per doz.
Pres. Carnot and other mixed varieties, very strong, 5½-inch pots, \$2.00 per doz.
Hydrangea Otaksa, for out-door planting, 6-inch pots, \$3.00 per doz.

Small plants out of 2½-inch pots, \$3.00 per 100 as follows:

Petunias (California Giant) an inimitable dwarf. Phlox Drummondii Giganteum. Verbenas, Sweet Alyssum (Little Gem), Lobelias, Tradescantia, Pyrethrums (Golden Feather). Dusty Miller, Lobelias and Coleus, Verschaffeltii, Golden Bedder.

—25 lots sold at 100 rates.—

Watch add for Araucarias, Palms and Ficus in about 3 weeks. Please send cash with orders. All goods travel at purchasers' risk. My best thanks to my customers for their liberal patronage at Easter.

Godfrey Aschmann,

Wholesale Grower and Importer of Pot Plants.

1012 Ontario St., Philadelphia, Pa.

BEGONIA GLOIRE DE LORRAINE,

2½-inch pots, \$15.00 per 100.

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

THOMAS ROLAND, Nahant, Mass.

Cannas 5,000 J. D. Eislle, the best red, slightly started, at \$3.00 per 100; \$25.00 per 1000. 3,000 Mlle Berat, the best pink canna, \$1.00 per 100; \$8.00 per 1000. Also strong 4-in pots of the following varieties: Beante Poitevine, David Harum, Egandale, Niagara, Sam Trelease, \$1.00 per dozen. J. D. Eislle, Mrs. Robt. McKeand, Capt. Drugeon. 75c per dozen.

W. W. COLES,

Maple Hill Rose Farms,

KOKOMO, IND.

GERANIUMS.

In bud and bloom. Bushy plants, 4-inch, \$6.00 per 100. **Roses**, Brides, Maids and Golden Gate, 2-inch, \$2.00 per 100. **Asp. Plumosa Nanus**, from flats, ready to pot, \$2.00 per 100; 2-inch, \$3.00 per 100. **Verbenas**, plants in bud from flats, 60c per 100. **Rox Begonia**, 4-inch, \$8.00 per 100. **Heliotropes**, 4-inch, in bloom, \$6.00 per 100.

Hill Top Greenhouses, 15-17 Gray Ave., Ulica, N. Y.

Geraniums.

The best proposition ever offered. Send for it to day.

ALBERT M. HERR,
LANCASTER, PA.

CYCLAMEN

Pers. Spl. Gigantum. Finest strain in the world in four true colors (separate) twice transplanted from flats, \$3.00 per 100; \$25.00 per 1000. Extra fine plants from 2½-inch pots, \$5.00 per 100; \$45.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

Dracæna Terminalis, 5-inch \$3.00 per dozen.

Latania Borbonica. We have a large stock and can ship perfect plants. 5-inch, 14-16 inches high, 4-6 leaves, \$5.00 per doz.; \$37.50 per 100. 6-inch, 16-18 inches high, 5-6 leaves, \$7.00 per doz.; \$50.00 per 100. 7-in. 16-20 lvs., high, 7-8 leaves, \$1.00 each; \$12.00 per doz.

Asparagus Plumosus, 2-inch, \$3.00 per 100.

Asparagus Sprengeri, Strong, healthy stock, 2-inch, \$3.00 per 100; 3-inch, \$6.00 per 100; 4 inch, \$1.50 per doz.; \$12.00 per 100.

Send a postal for complete price list of all PALMS and FERNS.

Geo. Wittbold Company,

1657 Buckingham Place, CHICAGO, ILL.

Please mention the American Florist when writing.

GERANIUMS Coleus

10 var., 2½-inch pots \$3.00
 10 var., 3-in. pots 4.00
Alternantheras, red and yellow, April 15..... 2.00
Seedling Petunias, May 1st..... 2.50
Asp. Plumosa Nanus Seeds..... per 1000, \$4.50; 1.00

10 varieties, 2-inch pots \$2.00
Vinca Var. Vines, 2-inch pots 2.50
Asparagus Plumosa Nanus, 2-in. pots, July 1... 2.50
 Seedlings, ready..... 1.75
Asparagus Sprengeri, April 15..... 2.00

Cash or C. O. D. **JOS. H. CUNNINGHAM, Delaware, O.**

Please mention the American Florist when writing.

VINCA VARIEGATA.

4-inch, good stock, at \$8.00 per 100. Fine, extra bushy plants, \$10.00 per 100. This is stock of Extra Quality and Value. Get your orders in at once.

C. C. POLLWORTH CO., Milwaukee, Wis.

BEDDING PLANTS.

Ageratum, Gurney, Queen Victoria, 2-inch... \$2.00
Alternanthera, red, yellow, 2-inch..... 2.0
Asters, transplanted, Simple in colors, \$8.00 per 1000.
Begonia Vernon, transplanted from flats, \$1.00 per 100; 2-inch, in bloom 3.00
Cannas, in variety, strong 3-inch 6.00
Dusty Miller, strong 2-inch 2.00
Coleus in variety and fancy mixed, 2-inch, 2.00
Geraniums, Nutt, Heteranthe, Perkins, double white, A. Riccord, Poitevine, Vland and 10 other varieties, 4-inch, \$8.00; 3-inch, \$5.00; 2-inch, strong 3.00
 10,000 Mme. Sallerol, strong, 3-in., \$3.00; 2-inch 2.50
Ivy Leaved, mixed, 4-inch, \$10.00; 3-inch 6.00
Fuchsias, very strong, 3 inch, \$5.00; 2-inch, 2.50
Glechoma Hederacea, 2-inch, strong 5.00
Honaysuckle, Golden climbing for window boxes, 3-inch 10.00
Lantanas, in bloom, very fine, 3-inch 6.00
Lemon Verbenas, fine 3-inch 6.00
Queen, 2-in., \$2.00; strong, bushy from flats 1.00
Myrtle, Creeping, bardy, strong, 2-inch 2.00
Phlox, Drummondii, 2-inch, \$2.00; from flats, 1.00
Hardy mixed, good new, 2-inch 5.00
Petunia, double, strong, 2-inch 2.50
Verbenas, 5,000 in color, 2-inch, \$1.00; from flats, transplanted 1.00
Vincas, very strong, 4-inch, \$12.50; 3-inch, \$8.00; 2-inch, \$2.50; small 2-inch, \$2.00.

Cash with order. Satisfaction guaranteed.

LUDVIG MOSBAEK, Onarga, Ill., or Chicago, Ill.

Please mention the American Florist when writing.

SPECIALTIES

ROSES, from 3-inch pots, **In Best**
CARNATIONS, for all delivery, **Varieties**
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing.

Giant Cyclamen.

My own strain. The best that can be raised. Once transplanted, \$2.00 per 100; \$18.00 per 1000. 3 inch, \$3.00 per 100. **Sprengeri**, from flats, 75c per 100; \$6.00 per 1000; 3-inch, \$4.00 per 100. **Hardy English Ivy**, very strong 4-inch, \$12.00 per 100. **Cannes**, 4-in., Kate Gray, Pennsylvania, Alie-mania, McKinley, Crozy, Florence Vaughan and others, \$6.00 per 100. **Caledium**, 5-in. \$12.00 per 100. **Geraniums**, 4-in., best standard, \$8.00 per 100.

C. WINTERICH, Deliance, O.

Surplus Stock

Special Offer for Quick Orders.

	Per 1000	100 Doz.
Begonia, Vernon.....	\$20.00	\$2.50 \$.40
Alternanthera, red.....	25.00	3.00 .50
" yellow and green ..	25.00	3.00 .50
Campanula, double blue.....	20.00	2.50 .40
Heliotrope, assorted.....	20.00	2.50 .40
Lantana assorted.....	20.00	3.00 .50
Begonias, flowering varieties.....	25.00	3.00 .50
Petunias, double, assorted.....	25.00	3.00 .50
".....	20.00	2.50 .31
Mexican Primrose.....	20.00	2.50 .30
Geraniums, assorted, best kinds.....	30.00	3.50 .40
Lantana, Weeping.....	20.00	3.00 .50
" 3-inch.....	40.00	6.00 .80
English Ivy, strong.....	75.00	9.00 1.25
Oxalis Ortgesii.....	20.00	3.00 .50
Abutilon, Thompsonii Plena, New Golden, Eclipse and Weeping, 3-inch.....	5.00	.75
Swainsonia pink, in bloom.....	6.00	.80
Cupha Platycentra.....	20.00	2.00 .40
Cest um Aureumicum.....	30.00	4.00 .60
Fuchsias, assorted.....	20.00	2.50 .40
Ivy Geraniums, assorted.....	3.00	5.00 .75
Boston Ferns.....	25.00	3.00 .50

Roses, Universal Favorite, Manda's Triumph, South Orange Perfection, White Memorial, Wichuriana, White Rambler, Yellow Rambler, Evergreen Gem, Psyche, Gardenia, America, Dorothy Perkins, Little Pet and Jersey Beauty..... 20.00 2.50 .40
 All strong, well-grown and well-packed stock from 2 or 2½-inch pots unless otherwise mentioned.

Iowa Seed Co.
DES MOINES, IOWA.

CHRYSANTHEMUMS.

STRONG, COOL CROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonnaffon, White Bonnaffon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2½-inch pots, \$2.00 per 100. Special price by the 1000.
COLEUS, Golden Bedder, Verschaffeltii and Jancy mixed, 2½-inch, \$1.75 per 100; \$17.00 per 1000. Rooted cuttings, 75c per 100.

H. N. BATON, Agent.
SO. SUDBURY, MASS.

Albany, N. Y.

Orders for funeral work and decorations of all kinds are being received in goodly number. On Monday evening the Kingdom-Courtenay Stock Company opened its summer season in Harmanus Blecker hall. Whittle Brothers received orders for decorating the corridors and stage besides individual orders for bouquets for the leading members of the company. On Wednesday noon Eyres supplied very pretty decorations at the Ten Eyck hotel for the luncheon given by the alumnae of the Female Academy. Bridesmaids and white lilacs were used to set off twenty-six tables.

The funeral of H. T. Martin on Wednesday of last week was the occasion of an order by cable to Eyres from Bradley Martin, his brother of London, England, for a wreath of orchids. A similar order was received from Mrs. Martin's daughter, Mrs. B. B. McAlpin, of New York, for a wreath of lily of the valley and orchids.

A number of luncheons were also given the same week by Mrs. Anthony N. Brady, Judge Andrew Hamilton and other society people. R. D.

25,000 Eaton, Appleton, Ivory, Maud Dean, Bonnaffon, Mrs. Murdock, Mrs. Coombes, Jones and many more kinds from 2 1/4-inch pots, \$2.25 per 100. 300 our selection, all good ones, for \$5.00 cash. Come and see our stock. Largest lot in the state. Greenhouses at East Sudbury Station (no walking), or write us a list of kinds wanted and we will make price by return mail.

COOLIDGE BROS., So. Sudbury, Mass.
Please mention the American Florist when writing.

Orchids!

Arrived in **PERFECT** condition, Cattleya Mossiae, C. labiata, Laelia crispa, Oncidium varicosum Rogersii, O. Papilio, O. crispum, Laelia anceps, Cattleya Trianae and many more. Write for prices.

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VIOLETS.

I make a specialty of violets. Grow them in cold frames. My stock is perfectly healthy. Marie Louise and Swanley White. Write for my low prices on strong plants. Will exchange some for choice hardy roses and carnations.

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A Weekly Illustrated Journal.

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ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. **BOSTON FERNS,** 2 1/4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS,** 2 1/4-inch, \$8.00 per 100; 5-inch, 50c. **ASPARACUS PLUMOSUS,** 2 1/4-inch, extra fine, \$3.50. **CANNAS,** F. Vaughan, J. C. Vaughan and Burbank, \$1.50 per 100; \$12.00 per 1000. **COLEUS,** 15 varieties, \$2.00 per 100. **ALTERNANTHERA,** Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

Cash Please.

A. J. BALDWIN, Newark, O.

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2 1-2 inch pots, \$2.50 per 100; \$20.00 per 1000.

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Coleus VERSCHAFFELTII GOLDEN BEDDER FIREBRAND

2 1/2-inch pots, \$2.50 per 100; \$20.00 per 1000.

ROOTED CUTTINGS, 75c per 100; \$6.00 per 1000.

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Ask for Special Price List on

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PYRAMIDS: 3 to 14 feet. **STANDARDS:** high, 24 to 66-inch head.

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Geraniums, Double Grant in bud and bloom and French Cannas, mixed, strong, 4-in., \$5.00 per 100. Salvia, Splendens and Bonfire, strong, 4 and 3-in., \$4.00 and \$3.00 per 100. Coleus, Golden Bedder, C. Verschaффeltil and fancy mixed, Lobelia, Erecta and Trailing, German Ivy, \$1.75 per 100; \$15.00 per 1000. Begonia Vernon, mixed, in bloom, strong, 2 and 3-in., \$1.75 and \$3.00 per 100. Dracena Indivisa, strong, 5-in., \$1.75 per doz. Cobee Scandinens, 2 to 3 ft., 3-inch, \$4.00 per 100. Cash please.

WM. S. HERZOG, Morris Plains, N. J.

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I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

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Princess of Wales, Field-grown, well-rooted delivered at \$15.00 per 1000 or \$2.00 per 100.

Remember we pay the express charges. Cash with order.

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100,000 Now in Bloom.

Extra large field-grown plants. They are the Kind that Sell. Per 100, \$2.00; per 1000, \$20.00.

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SMILAX SEEDLINGS STRONG.

25c per 100 prepaid; \$1.50 per 1000 by express.

SALVIA, Silver Spot, strong, 2-inch, \$1.50 per 100.

MOONVINES, blue, strong, 2-inch, 2c.

Alternanthera, yellow, 2-inch, \$1.50 per 100. Rooted cuttings prepaid.

FUCHSIAS, 5 kinds, well-rooted, 75c per 100.

ACERATUM, S. Gurney, 50c per 100.

Coleus, 10 best bedders, extra strong, 50c per 100; \$4.00 per 1000. Not prepaid.

SALVIA, Silver Spot, Splendens, Bonfire, 90c per 100.

CHRYSANTHEMUMS, 10 best standards, \$1.00 per 100. Prepaid for 10c extra. CASH.

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PETUNIAS.

"Those Double Fringed Ones" Sell at sight. Six distinct varieties, labeled. Strong plants in bud from 2 1/2-inch pots, \$2.00 per 100; \$18.00 per 1000.

GERANIUMS, Jean Vaud, Mrs. E. G. Hill, strong, 2 1/2-in., \$2.00 per 100.

—CASH.—

The W. T. BUCKLEY PLANT CO., SPRINGFIELD, ILL.

Kansas City, Mo.

The last three weeks in this market have been dull, the supply slightly overbalancing the demand. A backward spring has been of material help to indoor grown stock. Prices rule about the same as quoted in Chicago. Growers of bedding stock complain of the late season. Orders have accumulated and only within last week have they been able to move this stock. School commencements begin next week and a heavy demand for cut flowers is expected. Memorial day should create a large sale at least for the cheaper grades of stock. Peonies will just about make it. Green stock is more plentiful, relieving many of us of that \$4 per 1000 worry.

The W. L. Rock Flower Company is building an addition of 6,000 feet this spring for American Beauty. The firm suffered a loss May 1, when a dam washed out during a heavy rain, the damage amounting to several hundred dollars. Water will be obtained from the city as soon as a line can be extended, the distance to be covered being about 1,800 feet.

Street fakirs are busy. A few claim they are handling more stock than all the downtown stores combined. They are at least a thorn to the department stores.

It has been definitely decided by the Board of Directors of Convention hall that there will be no flower show in Kansas City this fall.

Lawrence Schwager, of Grand avenue, has vacated his store as the building is to be torn down. He will not start again until fall.

The Union Depot Cut Flower Company has opened a branch store at 1009 Walnut street. Mr. Freidenthal is in charge.

W. J. Barnes suffered a considerable loss by hail the early part of this month.

Brown & Son are contemplating an addition to their plant at Maywood.

W.

Can Not Get Along Without It.

AMERICAN FLORIST Co.:— Enclosed please find check for \$1 for renewal of my subscription to THE AMERICAN FLORIST. It is a great help and I could not get along without it.

Cheshire, Conn. NETTIE C. SMITH.

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Asp. Plumosus Nanus.

Plants from Flats, \$15.00 per 1000. Express paid.

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HEADQUARTERS FOR

Boston and Piersoni Ferns

Asparagus Plumosus and Sprengerii.

All sizes, from 2 1/2 to 10-inch.

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We Will Buy

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Asparagus.

	Per 100	Per 1000
PLUMOSUS NANUS	\$3.60	\$25.00
PLUMOSUS ROBUSTUS	5.00	
DECUMBENS	3.00	
SPRENGERII	2.00	15.00

SMILAX.

Well-grown and properly packed	1.50	12.50
Special prices on lots of 10, 100 or over.		

We use a light friable soil that can be shaken off without injury. If you wish to save express charges state when ordering "without soil." Samples mailed for 5c per plant.

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2 1/2-in. 3c;	\$30.00 per 1000.	3 1/2-in. 7c;	
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Piersoni	3 1/2-in. 10c;	\$100 per 1000.	5-in. 25c;	\$15 per 100.	6-in. 35c;	\$35 per 100.
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Cash with order, please.

H. H. Barrows & Son, Whitman, Mass.

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Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100. In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. Asp. Sprengerii, 4-inch, \$6.00 per 100. Dracena Indivisa, 3-inch, strong, \$8.00 per 100. Kentias, Flou. Coleus, R. C., red, yellow and black. \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000; 60c per 100. 100,000 bedding plants in Geraniums, Heliotropes, Fuchsias, Lantanas, Ageratums, Single and Double Petunias, Asters, Coleus, Lemon Verbenas, Dracenas, Vincas, German Ivy, Lobelia, Alternantheras, red and yellow, etc. Prices on application.

L. H. FOSTER, 145 King St., Dorchester, Mass.

Boston Ferns.

Prices—2 1/2-in., \$1.00; 3-in., \$8.00; 4-in., \$5.00; 5-in., \$25.00 per 100; 6-in., 40c; 7-in., 60c; 8-in., 75c each.

Piersoni Ferns

2 1/2-in., \$8.00 per 100; 4-in., 35c; 5-in., 50c each. Strong young plants from the bench, at \$4.00 per 100; \$30.00 per 1000.

ALTERNANTHERAS, red and yellow, strong rooted cuttings, 50c per 100; \$4.00 per 1000. Special price on large quantities.

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ARECA Lutescens, Kentia Belmoreana, Kentia Forsteriana

For our prices see page 551, Nov. 7th issue

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ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100. BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100. ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100. PANSY, in bud, \$1.00 per 100.

GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Sallerol, Poltevine, \$2.50 per 100. 3-inch, \$5.00 per 100.

GLADIOLUS BULBS, fine mixture, \$1.00 per 100. 2 1/2-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow Single and Double PETUNIA, HELIOTROPE, Golden Gate and Bridesmaid ROSES, DRACAENA INDIVISA, VERBENA, LEMON VERBENA, \$2.00 per 100.

VINCA VAR., 2-inch, \$2.00; 3-inch, \$4.00 per 100. ABUTILON SAVITZII, 3-inch, \$5.00 per 100. CANNAS, Black Beauty, Red, Yellow, and Variegated, 3-inch, \$4.00 per 100.

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BOSTON FERNS

—A1 POT CROWN.—

6-inch	each, 40c
5-inch	each, 25c
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3-inch	each, 8c

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6-inch	each, 50c
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4-inch, \$8.00 per 100; 3 1/2-inch, \$6.50; 3-inch, \$5; 2 1/2-inch, \$3.50 in the following varieties: Red, S. A. Nutt, Pasture, Le Soleil and Trego. White, La Favorite and Mme. Carnot. Pink, Jean Viaud. Salmon, E. G. Hill. Write for discounts on 100 lots.

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Cheap Palms and Asparagus.

Latania Bor., 2-in. pot,	seed leaves..	3.00
" " 3-in. pot, 15-18 in.,	2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in.,	3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in.,	4 chr. lvs.	20.00
Kentia Bel., 2 1/2-in. pot,	8-10 in.,	2-3 leaves.. 12.00
" " 2 1/2-in. pot, 15-18 in.,	3-4 leaves..	15.00
" " 3 -in. pot, 15-18 in.,	4-5 leaves..	18.00
" " 3 -in. pot, 18-24 in.,	5-6 leaves..	20.00
Asparagus Sprengerii,	2-inch \$2.00
Asparagus Plumosus, from flats	1.75
" " 2-inch	2.50

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PIERSON FERNS VERY TRUE STOCK.

Strong 2 1/2-inch stock	\$ 8.00 per 100
Strong 3-inch stock	10.00 per 100
Strong rooted runners	5.00 per 100

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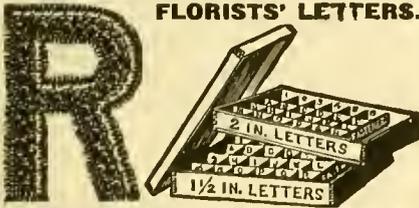
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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 or 2-Inch size, per 100, \$2.00.
Script Letters #4. Fastener with each letter or word.

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FLORIST Plain, Violet, Rose FOIL

MADE BY

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LIGHTNING FLOWER POT WASHER.

Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong Plants are only grown in Clean Pots. Send for description. Sold direct \$15.00 net F. O. B. Joliet.

C. E. FINLEY Joliet, Ill.

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AMERICAN FLORIST COMPANY,

324 Dearborn St., CHICAGO.



Rock Island, Ill.

The regular monthly meeting of the Tri-City Florists' Club was held the evening of May 12 at the Turner hall, Rock Island. It was a stormy night but the members were on hand in full force. The weather was soon forgotten in listening to a very interesting essay on "Chrysanthemums," prepared and read by Harry Bills, of the Bills Floral Company, of Davenport. A discussion followed as to which was the best way to produce the finest pot chrysanthemums, to grow them inside all summer or to grow them outside in the hot months. The majority of the members favored growing them outside in June, July and August, claiming those grown outside were by far more hardy, and finer looking than those grown under glass all summer. Harry Bills was tendered a vote of thanks by the club for his splendid paper. The club accepted the invitation of Wm. Kness, of Moline, to hold the next regular meeting at his place of business on South Fifteenth street.

After the business session the members enjoyed several hours smoking and telling stories. Harry Bills told of a certain lady that came to his greenhouses and wanted to buy a specimen plant. He showed her all the finest specimen plants on the place, ranging in price from \$2.50 to \$10. Then she said she did not like to go quite that high, but would not mind spending about 25 cents.

At the next meeting Otto Klingbiel will read a paper on "Greenhouse Construction," and Henry Gaethje, Sr., will read one on "Pot Plants."

Henry Gaethje is making many improvements on his place this spring, among them being a brick smoke stack and a large water tank. TED.

Pueblo, Col.

Pueblo was visited May 20 by the fiercest hailstorm in the history of this section. Every greenhouse was wrecked. G. Fleischer lost the heaviest as his stock and glass were almost totally destroyed. Zimmermann, Mrs. Ida Latshaw and Wallace & McMurray suffered also. Hail stones were picked up which weighed twelve and one-half ounces and some measured an even twelve inches in circumference.

G. Fleischer has opened a new store at 216 Main street, with S. R. Lundy in charge. Trade is only fair. S. R. L.

KORAL LETTERS

For Sale by all Wholesale Houses.

Koral Mfg. Co.,
12 Hawley Place, Boston, Mass.

GREEN SILKALINE.

Do not be put off with cheap substitutes.

John C. Meyer & Co.,
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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.

Don't Worry
Use
"NICOTICIDE"
No bugs
then.
TOBACCO WAREHOUSING AND
TRADING COMPANY,
LOUISVILLE, KY.

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PURE SHEEP MANURE

Dried, Unpulverized and Pulverized.

—WRITE FOR PRICES.—

MONTANA FERTILIZER CO., Elgin, Ill.

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.

Write To-Day for Description and Prices on Our

Metal Porch and Window Boxes.

WARREN SHEET METAL COMPANY,
Warren, Ohio.

Fumigating Kind Tobacco Powder
KILLS ALL APHIS IN ONE NIGHT in a house 10x25 ft. at a cost of 10c. A 5 lb. trial pkg. will cost nothing if you will pay the express charges on it. Our booklet tells of it. Write Dept. C F. R. H. The H. A. STOOHOFF COMPANY 116, 117, 118 West St., N. Y. City

SIGMUND GELLER
Importer and Manufacturer of
FLORISTS' SUPPLIES

All new Fall Goods in now. Ask to see the latest, Embossed and Pleated Crepe Paper.

108 W. 28th Street, NEW YORK.

Wired Toothpicks

10,000, \$1.50; 50,000, \$6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample Free. For sale by dealers.

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BEWARE OF IMITATION VASES.

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Clara Cemetery Vase

PER DOZ., \$3 50 BOXED.

VAUGHAN'S SEED STORE,

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TIN FOIL

Plain, Fancy, Printed & Mounted.

Manufactured by

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CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No.	0	3x 4x20	.....	\$2 00	\$19.00
"	1	3x 4 1/2 x16	.....	1.90	17.50
"	2	3x 6x18	.....	2.00	19.00
"	3	4x 8x18	.....	2.50	23.00
"	4	3x 5x24	.....	2.75	26.00
"	5	4x 8x22	.....	3.00	28.50
"	6	4x 8x28	.....	3.75	36.00
"	7	6x16x20	.....	5.50	54.00
"	8	3x 7x21	.....	3.00	28.50
"	9	5x10x35	.....	6.50	62.00
"	10	7x20x20	.....	9.50	67.50
"	11	3 1/2 x5x30	.....	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
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Importers and Manufacturers of

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Galax Leaves and all Decorative Greens.
New York Agents for Caldwell's Monroe, Ala.,
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"Eureka"

Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

Vaughan's Seed Store,
CHICAGO: NEW YORK:

84-86 Randolph St. 14 Barclay St.

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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 2½ "	5.25	60 8 "	3.00
1500 3¼ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	\$3.60
800 3¼ "	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 "	4.50

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.

Please mention the American Florist when writing.

WRITE

A. F. KOHR, 1521-23 N. LEAVITT ST.
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FOR PRICES OF

Standard Pots

which for strength and porosity combined are the best on the market.

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ALL KINDS.

STANDARD POTS SPECIALTY

List and SAMPLES FREE.

SWANN'S POTTERY MFG CO.,

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Over \$70,000

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ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

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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.

Oh, when you want the BUSINESS done
By play that's strong and steady,
Just take a look at old SLUG SHOT.
For that's the stuff that's ready.



SOLD BY THE SEEDSMEN OF AMERICA.

For Pamphlet address HAMMOND'S PAINT & SLUG-SHOT WORKS,
FISHKILL-ON-HUDSON, N. Y.

Standard Flower Pots

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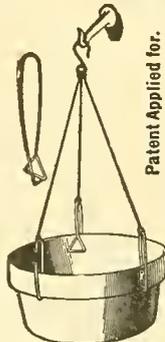
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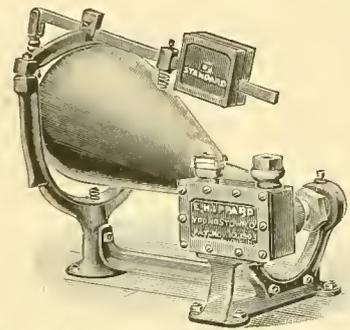
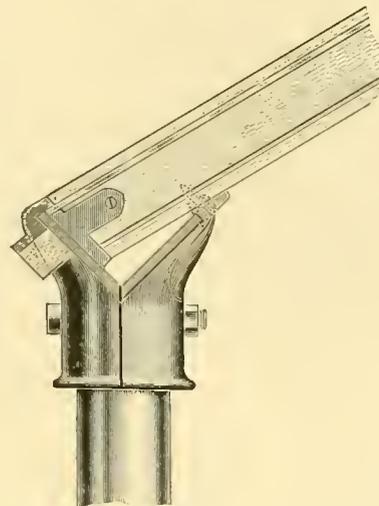
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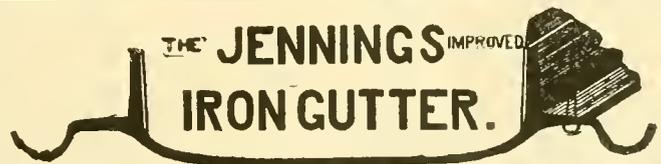
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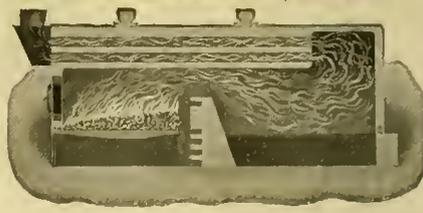
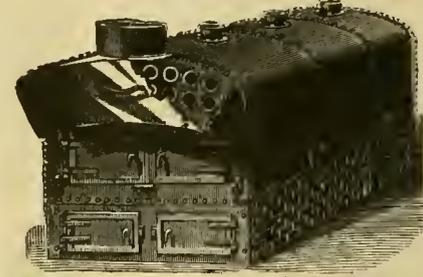
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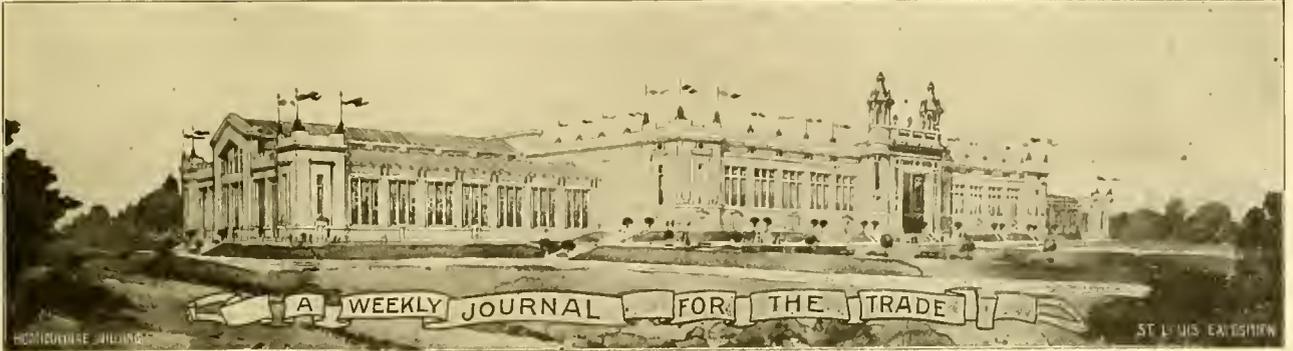
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Vol. XXII.

CHICAGO AND NEW YORK, JUNE 4, 1904.

No. 835.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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PALMS AND FERNS.

Spring Work.

The latter part of May and the month of June usually bring hot and drying weather, there being frequently brisk winds during the day and comparatively little dew at night. This weather makes necessary an extra amount of moisture in the palm houses, not only at the roots of the plants, but also in the form of vigorous syringing overhead, and it is sometimes needful to water twice a day, especially those plants that are much root-bound. A dry atmosphere favors the spread of thrips, the small yellow variety of which is quite troublesome in both kentias and arecas at times. This is not an easy insect to dispose of, from the fact that fumigation often makes the insect drop from the leaf to the ground beneath, where it seems to remain until the vapor clears away and then climbs up to resume business at the old stand. Vaporizing nicotine or fumigating with aphid punk is the most effectual method of treating this insect, though sometimes several applications may be required in order to eradicate the pest. The mealy bug also hatches out a fresh brood in May, and at that time will spread with wonderful rapidity, but the nicotine preparations may also be used successfully in fighting this insect, though the aphid punk may safely and profitably be used much stronger in the palm house than among soft foliated plants. It is quite probable that these preparations also have some effect upon the young scale insects during the brief period that the young insects are moving about the leaf upon which they finally settle down and form a scale, but the full-grown insect, when protected by its scaly habitation, is not effected by nicotine vapor or any other that is non-injurious to the plant itself.

We have noted before the advisability of giving all palms a thorough cleaning before the spring potting, for a stock of palms that is absolutely clean is less common than one is led to believe, but in the rush of spring work some plants may have been neglected, and in such a case there is no time like the present, for the insects they make wonderful progress during these warm summer days. Artificial heat may usually be dispensed with before June 1 unless it may be in areca houses, the latter being usually the last in which the heat is continued, but this has been quite a backward spring in most portions of our country, and so long as

the outside temperature drops to nearly 50° at night it is far safer to continue a little heat in the pipes, thus giving the newly potted stock a chance to become established.

Cocos Weddelliana is another palm that enjoys warmth and moisture, and this should be remembered in the arrangement of the stock by placing the cocoses and arecas together rather than to put them with the kentias and latanias, both of the latter requiring a lower temperature and more ventilation than is absolutely necessary for the cocos. Where one has to grow the various species all together in one house there is naturally no room for these fine distinctions, and in consequence the grower handling enough of any one species to fill an entire house or houses has some advantage in treating the plants.

Palms for vases and other outdoor decorations for example, on porches or steps, are frequently called for at this season, this custom having grown to quite a large extent in some of our cities, and the two species that are most satisfactory among our common palms are Phoenix Canariensis and Latania Borbonica, both these palms enduring sun and wind without much injury provided that they are given plenty of water.

When placing large palms outdoors for lawn decoration it is preferable to sink the pots or tubs in the ground and to cover the surface of the soil either with manure or moss as a top dressing, thus protecting the roots from the burning rays of the sun, it being also understood that the plants have been gradually inured to the sun before being given full exposure. A plant that has been grown in a warm and shaded house is sure to suffer from the full sunshine unless gradually hardened off, and it is an unwise proceeding to put out such stock to be used for lawn decoration.

Chamærops humilis and C. excelsa, and also Corypha australis, may be safely recommended for the outdoor garden during the summer, all these well known species belonging to the fan-leaved section of palms, and all having very tough foliage that is capable of withstanding the wind and sun after having been properly grown in a light and airy house. It will be remembered that Chamærops humilis is considered to be the most northern of palms, being found in southern Europe and also in northern Africa, and stands the winter in some of the southern portions of England. Ptychosperma Alexandræ and Seafordia elegans are also used for outdoor gardening at

times, but are liable to have their leaflets broken when placed in a location that is fully exposed to the wind, and if one has plants in suitable size and condition of *Kentia Forsteriana* it would be not only more satisfactory, but also more ornamental than either of the *ptychospermas*. There are also two sturdy fan-leaved palms from the islands off the coast of southern California in the form of the *erytheas*, both *E. armata* and *E. edulis*, being quite ornamental dwarf palms, though seldom found in commercial collections, possibly owing to their comparatively slow growth while young rather than to any difficulty in getting seeds of these palms, for the *erytheas* produce seeds in great abundance in the gardens of southern California. But whatever be the species of palms that are placed outdoors for the summer, the need of regular and copious supplies of water must always be kept in mind, for without attention in this particular the plants will soon go backward.

Many of our common ferns may also be planted out in shaded and sheltered places for the summer, and will add much to the beauty and variety of the garden, among those that are especially happy under such conditions being the Boston fern, that generally useful plant, one of the ways in which to use it having been noted last summer in the form of a large circular bed filled solidly with the Boston fern and edged with a line of *Mme. Salleroi* geranium. This bed was placed in front of a large public institution in Philadelphia, where the plants were exposed to the morning sun, but were shaded by a large building from the rays of the afternoon sun, and under these conditions the ferns flourished and grew luxuriantly.

Some of the strong growing perises, such as *P. tremula* and *P. argyræa* may also be used to advantage outdoors, as may *Dicksonia Antarctica*, several of the woodwardias and polypodiums, and some of the nephrodiums. *Cyrtomium falcatum* is also nearly hardy and would add much to the beauty of a bed of rockery filled with ferns. Some of these unusual effects in the outdoor garden are

likely to be looked for more in the future as the taste for gardening grows, for a growing condition surely exists, and



Frank Pelicano.

(A successful San Francisco retailer and wholesaler. See page 779.)

while a well filled bed of geraniums is admirable for certain locations, there may be found other places in which a fern bed may be just the right note in the landscape harmony. W. H. TAPLIN.

HINGHAM, MASS.—Hitchings & Company are building a range of five fine conservatories for W. O. Blake. The new potting shed is to be very spacious and elegantly finished, with a large old-fashioned fireplace. John J. Connolly has been the gardener here for the last six years.

THE CARNATION.

Care of Plants in Field.

Now that the young carnations are all planted in the field our work is transferred from the greenhouse to the outside. The principal thing for a few weeks now is to keep the weeds down, see that the plants are properly topped back as they require it and keep the cultivator going. I have heard the question brought up on several occasions as to the policy of watering the carnations while planted in the field. This question, to my mind, must be governed entirely by the nature of the land. My personal experience is that the fewer waterings by hand the plants get while outside the better are the results after they are taken into the greenhouse and they are less liable to stem rot. Watering the plants in the field can be avoided to a great extent by keeping the cultivator going frequently. During a continued dry spell cultivate about every week and after a good rain as soon as it is possible to work the land.

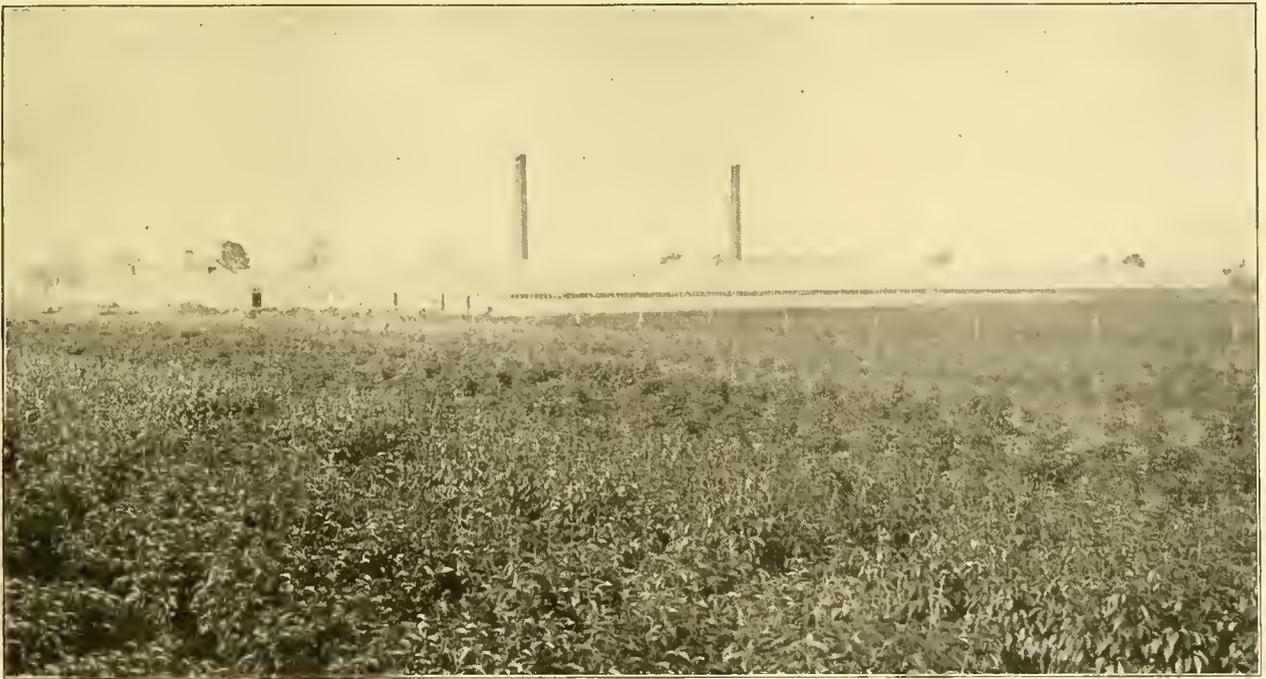
By this time the plants that were set out three or four weeks ago will have got well hold of the soil and must be kept topped back. They quickly commence to throw up blooming shoots if not attended to in time. After the main shoot has been topped the plant will very soon begin to branch out. These branches must be pinched back as soon as they get large enough to handle properly. The stock being held for indoor culture should be planted in the benches as quickly as the houses become vacant, especially all plants that are becoming at all root bound in the pots. These should receive the first attention, because if allowed to remain long in the pots after the plant is root bound they will very soon show signs of suffering. You should clean the house thoroughly both on top and under the benches, clearing away every particle of rubbish, making sure that your benches are all right in drainage, bearing in mind that the plants will occupy them for a year or more. After clearing away all the rubbish give the inside of the benches a thorough washing out with the hose and then apply a good strong lime wash. They will then be ready for the soil.

The compost for these indoor plants having been prepared some weeks back it should now be thoroughly mixed together and got into as fine a condition as is possible to make it. Then it is ready for the benches. Fill in the soil even to the top of the bench but do not tramp or firm it beyond what is necessary in the operation of filling. While setting the plants the surface of the beds should be made as even as possible. It then is ready for planting. If your plants are good, healthy stock out of 3, 3½ or 4-inch pots they should be planted 10x12 inches apart. If smaller, or of varieties that only make a small plant, 10x10 inches apart will do. Knock the plants out of the pots and place them in trays and if any are found to be dry water them, allowing a little while for them to drain before planting. Take your plant, loosen the soil a little at the bottom of the ball and remove a little of the surface at the base of the plant. Do not throw this on the beds but have a box or basket handy to receive it. Care must be taken not to plant too deep, only enough to cover properly the ball of the plant.

After the bench is planted, water around each plant only until the plants



AMERICAN BEAUTY ROSES AT PETER WEILAND'S, NEW CASTLE, IND.



PETER WEILAND'S GREENHOUSES AND PEONY FIELD AT NEW CASTLE, IND.

get a thorough root hold of the soil; do not apply water in such quantities as you would when planting a bench of field grown plants because there is a big difference between a plant out of a pot with a ball of well established roots and a field grown plant with its roots disturbed and very little soil on them. At the same time it is necessary that the water shall penetrate clear down so that the roots get the full benefit of it, to guard against the top roots being wet and the lower ones dry. Do not shade the glass at all but let them have the full benefit of the sun, also keep the ventilators wide open at all times excepting in case of storms or heavy rains.

C. W. JOHNSON.

The "Sleepy" Enchantress.

Referring to the remarks of F. M. Schulz in the last issue of the AMERICAN FLORIST in regard to the propensity of Enchantress to go to sleep and fade quickly, we have no doubt that his success is largely due to the fact that he feeds his plants little or not at all. Light pink varieties generally, especially those with a fleshy growth, seem to find the necessary elements to sustain a normal growth in a soil much poorer than would be required by some varieties. A case in our own experience this winter has fully demonstrated to us that Enchantress succeeds best in a soil not overly rich and that it wants very little additional feeding, especially during the dark months.

Last December we had occasion to lift a batch of plants from one house and transfer them to another, planting them into old rose soil that had done service for two years. There was no fertilizer of any kind added and no extra feeding was done later. These plants have since produced an enormous crop of high grade blooms, with keeping qualities second to no carnations that we have ever grown. The old variety Daybreak was much on the same order and never did succeed well with growers who fed heavily, and the fact that it held out so long with some of the smaller and less intensive

cultivators of carnations has always been held by the writer to be due in part to a less liberal use of concentrated fertilizers than is generally the case with larger growers.

The needs of each variety in this and other respects may well be made a study and a subject of experimentation. For often a variety is condemned by some reputable grower as worthless, just because the crop turned out indifferently. This often happens where the whole lot is grown under the same conditions. Dividing a variety into two lots and giving them opposite treatments would, I venture to say, lessen the risk of a failure by at least seventy-five per cent, for then it would be a matter of but a short time to determine its needs and run the whole lot accordingly. Referring again to Enchantress, there can be little doubt that the reputation which it has established almost everywhere as an exceptionally fine variety will be made good wherever it may not have shown up at its best during the past season, when its needs are better understood. We find it an easy variety to handle in every way, except that overfeeding must be carefully guarded against.

ARMIN J. BAUR.

Hail.

M. D. Hoagland of Pueblo, Col., is one of the lucky florists of the country. He became a member of the Florists' Hail Association on May 16, taking out a double insurance on his glass. On May 20 he sustained a total loss, which has been adjusted and paid by the Florists' Hail Association.

Elwanger & Barry, of Rochester, N. Y., sustained a severe loss by hail on the 25th inst. They were insured.

The most destructive hail storm of 1904 wrecked every greenhouse in Pueblo, Col., May 20. Nearly every florist in that city carried double insurance.

Howard P. Kleinbans of Easton, Pa., lost 450 feet of double thick glass by hail May 19. The lost was covered by insurance.

WITH THE GROWERS

Peter Weiland, New Castle, Ind.

Peter Weiland has purchased Peter Reinberg's interest in the Reinberg & Weiland greenhouses at New Castle, Ind., and received full control on June 1. On that date Mr. Weiland opened a wholesale store at 128 East Third street, Cincinnati, O. He has placed the greenhouses in charge of the foreman, Peter Herrens, and moved to Cincinnati himself to conduct the store.

The houses, of which there are ten, cover a space of 90,000 square feet. They are planted with 18,000 American Beauty rose plants, 10,000 Bride and 10,000 Bridesmaid, with three benches of Asparagus plumosus, one bench of A. Sprengeri and one bench of sweet peas. There is also a field of peonies covering four acres from which Mr. Weiland can pick 40,000 to 50,000 blossoms.

He will plant two houses next season in carnations, two benches in smilax and the same number in asparagus as last season, leaving the rest of the room for roses. He will handle the cut from these houses at Cincinnati and has been promised shipments from other points if he is successful in handling his own. Cincinnati ought to prove a good shipping point, especially for Ohio and Kentucky. He was told by other wholesalers that it would. They said they had the carnations but not the roses. He is cutting now from 5,000 to 6,000 roses a day.

Shipments will leave daily from New Castle at 3:10 a. m., arriving at Cincinnati at 6 a. m. They will then be placed in water in the ice box and be ready for reshipment the next morning.

The illustrations show the greenhouses of Mr. Weiland and the field of peonies. The inside view is of a house of American Beauty roses which were dried down in February and started March 1.

PENSACOLA, FLA.—Miss Violet Moreno is seriously ill.

Decoration Day at National Capital.

How sleep the brave who sink to rest
By all their country's wishes blest?
When Spring, with dewy fingers cold,
Returns to deck their hallowed mold,
She there shall dress a sweeter sod
Than Fancy's feet have ever trod.

By fairy fingers their knell is rung,
By forms unseen, their dirge is sung;
Then Honor comes, a pilgrim gray,
To bless the spot that holds their clay,
And Freedom shall awhile repair
To dwell a weeping hermit there.

The Decoration day services at the national cemeteries were elaborate in conception and detail. Aside from the ceremonies on the day itself there were a number of very interesting observances connected with and breathing the spirit of the occasion. The most notable of these was on Saturday, May 28, when the members of U. S. Grant circle No. 1, Ladies of the G. A. R. laid a handsome wreath of flowers on the pedestal of Gen. Grant's statue in the rotunda of the capitol.

The greatest interest naturally centered in the Arlington national cemetery.

That beautiful yet mournful expanse of woodland and greensward, with its acres of graves and thousands of monuments, was, for the time being made ten times more beautiful by the profusion of the floral tributes of affection. Illustrations are herewith given of some of the most notable decorations. At the monument to the Unknown Dead, and at the graves of Generals Sheridan and McCook there were beautiful wreaths from President Roosevelt. At the first mentioned, there was also a beautiful wreath of pink and white roses given by Capt. Archibald Mc-Burt, U. S. A. There is a pathetic interest in this monument as beneath it repose the bones of two thousand one hundred and eleven unknown soldiers, gathered after the war. At the Sheridan monument the Loyal Legion decorated with a large pennant of immortelles over which was a bunch of American Beauty roses. Phil. Sheridan Post No. 14 G. A. R. also decorated with a star and crescent of immortelles surmounted by the G. A. R. emblem. There were likewise several fine wreaths of fresh flowers. On every

grave was a decoration of some kind as well as the miniature flag, and the graves of many private soldiers were literally covered with blossoms.

At the National Soldiers' Home cemetery, the most notable decoration was at the tomb of Gen. John A. Logan. There was a wealth of wreaths and bouquets composed of the choicest seasonable flowers. At the Congressional cemetery the interesting ceremony was performed of strewing flowers on the water in memory of those who in defense of their country, met death on the sea. At each cemetery the order of the day was faithfully carried out. At Arlington Gen. John C. Black, commander-in-chief of the G. A. R. was the orator of the day. But the great public is now to the fore on Memorial day. The gray haired father and mother, the brother and sister, the wife and husband have joined hands to make it a hallowed day. S. E.

Traveler's Notes.

There was an exceptionally heavy demand this year for bedding plants for Decoration day, especially for scarlet geraniums. At the auction sales in New York they brought as high as 10 and 12 cents each. At the Canal street flower market the growers were getting \$1 to \$1.25 per dozen, something like old-fashioned prices. Cannas and other things were also bringing good prices.

S. A. Nutt and Gen. Grant are still the leading scarlet geraniums. The demand for these varieties is something like 2 to 1. Nutt is the better of the two as a bedder. Many people still make the mistake of over-manuring their geranium beds. An over rich soil causes geraniums to make growth at the expense of flowers. The beds also should not be over-watered.

Tuberous begonias are excellent bedding plants. Plant them in a place where they are shaded from the direct sun from 10 a. m. until 2 p. m. Mulch the surface of the bed with such material as sphagnum moss and give a good watering every night.

Pansies have been a thing of beauty this spring and a joy up to the present time.

Ernest A. Lundgren, lately head gardener to Tranor L. Park at White Plains, N. Y., has been appointed superintendent on the estate of Louis Sterns, Tarrytown, N. Y., in place of R. Barton.

Mrs. Mooney, wife of Jos. Mooney, gardener to E. C. Moore, Hastings-on-Hudson, N. Y., was removed to the hospital this week in a serious condition.

F. R. Pierson Company is having three more houses added to the American Beauty rose range at Scarborough, N. Y. They are being built by Pierson-Setton Company. They are of iron construction, built on the edge and farrow plan, all connected. Each house is 27x300 feet and 15 feet high at the ridge. There will be no benches. The roses will be planted on the ground, four beds in each house. The style of house is a new departure here. The same firm is building three similar houses on Law's estate at Briarcliffe, Ossining, N. Y. They will also be used for American Beauty roses, and will be handled in the same manner.

TRAVELER.

MT. CARMEL, ILL.—The Mt. Carmel Floral Company has sold its greenhouse plant on North Cherry street to Jacob Knupp, of Calera, Ala., for \$4,000. Mr. Knupp will retain Mr. Hoffstedt to manage the business for him. He will enlarge the plant.



DECORATION DAY AT NATIONAL CAPITAL.

(Decorations at Gen. Logan's tomb, National Soldiers' Home Cemetery.)



DECORATION DAY AT NATIONAL CAPITAL.

(Decoration of Gen. Sheridan's grave, Arlington National Cemetery.)

Market Gardening.

NEW HAMPTON, N. J.—Alonzo Bryan has built a new greenhouse to meet the increased demand for early vegetables.

NEWPORT, R. I.—The gardeners are thinning out their hot house grapes this week; the grapes have set especially well, and indications are for a large crop. Black Hamburgs and Muscat of Alexandria are the varieties grown here; it is hoped the fruit will sell at better prices than it did last year.

REFERRING to a note in a recent number of the AMERICAN FLORIST describing the method of heating a mushroom celler at Whitinsville, Mass., George McWilliam writes that the heating is done by hot water circulation on the same principle as ordinary greenhouse heating. The water is heated by an electric wire arrangement, a contrivance of Mr. McWilliam's own devising.

Ideal Vegetable House.

ED. AM. FLORIST:—What is the ideal house in which to grow a full line of early vegetable plants? Please give dimensions, the best heating and piping and the kind of benches. I want to grow at least 500,000 early cabbage and cauliflower plants and one to two million celery plants, beside pepper, eggplants and tomatoes in proportion. I expect to grow radishes and lettuce in the fall, but what could be grown in the summer? I would also build a propagating house for bedding plants and carnations. The thermometer can go 20° below zero. There are some trees for a wind-break some distance away.

L. M.

If the houses are to be used principally for the growing of plants, I would suggest that they be made either eighteen or twenty-seven feet wide. This will provide for side benches 3½ feet wide and center benches with a width of 7 feet. Glass would be desirable in the walls for two feet below the plate, in which case the posts should be five feet above ground. If glass is not used in the walls, a height of four feet will answer. The ridge should be six feet above the plate in the narrow house and eight in the wide one.

An excellent arrangement for a plant of this character is to have three houses 100 feet long, and if to be used in the winter for forcing vegetables they can be made with the gutters between the houses supported upon gas-pipe posts six feet high, with all of the benches, except those against the outer walls, seven feet wide. For holding the seed boxes, it will be well to use wooden benches 2½ feet high, but after the plants have been pricked out and have become established, they do very well upon solid beds either level with the walks or raised from six to twelve inches. These beds will also answer well for forcing vegetables.

In connection with such a house, there should be a range of hot-beds and cold frames occupying 1,000 feet, at least, in length. Houses such as described will give good results with bedding plants

and carnations, and after the vegetable plants have been moved out in the spring they will answer well for cucumbers and tomatoes, which can be grown to a good size before they are planted out. Houses 18 feet wide can be heated by means of eight 4-inch pipes when a temperature of 50° is desired. For wider houses and when there is glass in the side walls a proportionate increase should be made. This of course is for hot water, which will be desirable for heating the houses unless a considerable increase is planned. Almost any of the castiron boilers will give good results, or if preferred a tubular steam boiler with large outlets may be used.

L. R. T.

Piping Vegetable House.

ED. AM. FLORIST:—How many feet of 4-inch flue pipe will be required to heat a house 30x100 feet with hot water? The house is thirteen feet to the ridge and has 5-foot posts. The pipes are all to be under the benches. The house is for vegetables and the thermometer sometimes goes down to 10° below zero.

W. W. T.

As the question does not state the temperature desired in the house or the classes of vegetables that are to be grown, it is not possible to give a very definite reply to the question. It is stated that the house is to be heated with hot water and it is inferred that ordinary 4-inch heating-pipe is referred to. If a temperature of 50° will suffice, it can be secured with ten lines of pipe while twelve lines will answer for 60°. If the ends of the houses are exposed, it will be well to have the pipes extend for at least a part of the way across the ends.

L. R. T.

World's Fair Notes.

Tuesday, May 31, was the fifth anniversary of the employment of Miss Gertrude Spaulding as chief clerk and assistant by Prof. Frederic W. Taylor, the chief of the departments of agriculture and horticulture, and the chiefs of the various divisions in those departments



DECORATION DAY AT NATIONAL CAPITAL.

(Decorations at Monument to Unknown Dead, Arlington National Cemetery.)

and the office force planned a complimentary lunch as a surprise for Prof. Taylor and Miss Spaulding for noon of that day. The tables were arranged in the form of a V. The principal decoration was a large V-shaped design in roses. As this was the wooden anniversary the place cards were of birch bark, and souvenirs in the form of Indian pipes for the gentlemen and bark canoes and paddles for the ladies were provided. Miss Spaulding was presented with a handsome vase of burnt wood and a mammoth pipe was given Prof. Taylor. Music was furnished by the Italian band of the International inn. An elaborate menu was provided, the materials of which were contributed by the exhibitors in the pure food department in testimony of their appreciation of the work of Prof. Taylor and Miss Spaulding.

The season has thus far been very favorable for the lawns seeded this spring, and a good catch has everywhere been secured. An excellent opportunity is afforded to study the various mixtures. Those seeded with blue grass and a small amount of white clover are looking espe-

cially well. Some of the plots upon which mixed lawn grass seed was used present a somewhat ragged appearance, owing to a rank growth of some of the coarser species. Where English rye grass was used alone the result thus far is very satisfactory.

The rose beds east of the Agriculture building, in which some 8,000 plants were set out in the spring of 1903, will soon be in full bloom. A large proportion of the plants were furnished by the Heikes Nursery Company, Huntsville, Ala. A bed of dwarf Crimson Rambler roses, which was planted this spring, is now in full bloom and is attracting much attention.

A carload of palms and ornamental plants has been received from Siebrecht & Son, New Rochelle, N. Y. They came through in excellent condition. The rhododendrons near the life-saving station from Siebrecht & Son are now in full bloom and have been greatly admired.

Several thousand nursery trees are being planted out west of the Horticulture building. The collection includes several hundred trees from Russia.

The planting of the floral clock is nearly completed. The center of the dial was filled with verbenas, of which some 3,000 plants were used. The figures for the hours are about ten feet in length and are made of *Verschaffeltii* coleus.

Several thousand cannas have been planted during the past week in the beds around the Horticulture building. All of these are of new and choice varieties, and they will make a very attractive exhibit.

The Missouri State Horticultural Society will hold its regular June meeting upon the Exposition grounds June 8 and 9.

Prof. John Craig, of Cornell University, is here for two weeks as one of the jury of awards in horticulture.

British Trade Topics.

The exhibition of the National Tulip Society in London this week was a striking success. The drill hall at Westminster—the temporary headquarters of the Royal Horticultural Society—was a blaze of color from end to end. Rectified, flamed, feathered and all other varieties of tulips from the dark plum tint to the flaming red and shimmering yellow made a brilliant display. An object lesson was afforded of the immense strides which have been made in tulip culture in Ireland in recent years. About eight years ago Messrs. Hogg & Robertson, nurserymen, of Dublin, commenced an experiment in bulb raising, and this proved so successful that they have now about twenty-five acres under cultivation. The sandy soil near the coast, a few miles from Dublin, has been found admirably suited for the work. The firm is now able to excel the Dutch growers in this particular branch. Alex. Dickson & Sons, of Belfast and Dublin, also made a meritorious display of tulips in all shades of popular tints. A grand display was likewise made by Barr & Sons, King street, Covent Garden, and Messrs. Bath, Ltd., of the Floral Farm, Wisbech, Cambs. The last named firm is famous for its bulbs. Ninety acres are devoted entirely to flowers, about half this area being used for narcissi and tulips. The floral covered fields have been an exquisite sight this spring. This year the firm is cultivating 600,000 tulips. The flowers are particularly intense in color, and this is attributed to the suitability of the soil and the use of soot as a dressing. The new varieties include Brunhilde (creamy white, flamed with yellow), Dusart (deep crimson scarlet), Maas (an early scarlet), Pink Beauty (pink, shaded white), Prince of Austria (orange scarlet) and Queen of the Netherlands (white suffused rose).

This week I had opportunity of chatting with Joseph Cheal, a member of the firm of Cheal & Sons, Lowfield, Sussex, who has just returned from a tour in Palestine and Syria. He had a pleasant time amongst the mountains of Lebanon and the various points of interest in the Holy Land. At Cairo Mr. Cheal visited a flower show, where he was able to compare eastern with western methods of horticulture. Mr. Cheal is a great believer in the advantage of travel in widening one's knowledge and outlook. About eighteen months ago he had a tour in America and Canada, paying particular attention to the horticultural features of these countries. His experiences have furnished material for interesting lantern lectures which have been given before various horticultural societies.

H. Cannell & Sons, of Swanley and Eynsford, have added to their acreage of



DECORATION DAY AT NATIONAL CAPITAL.
(Decorations at Private Wright's grave, Arlington National Cemetery.)

nursery land by taking over a property in another part of Kent. With the exception of Mr. Paul, Henry Cannell, the head of the firm, is the oldest exhibitor amongst the trade. He is one of the select number who have been awarded the Victoria medal of honor founded by the Royal Horticultural Society. Mr. Cannell's name is associated with the cactus dahlias and cannas. In recent years he has sought to popularize the observance of "Arbor day" in this country. Some headway has been made with the movement at Eynsford.

The horticultural world has sustained a severe loss by the death of Hugh Dickson, of the Royal Nurseries, Belmont, Belfast. Mr. Dickson occupied a premier position as a rosarian. He brought out a new hybrid perpetual rose, named Hugh Dickson, which is a welcome addition to this numerous class. The cupped blooms are of a brilliant scarlet and open well in all weathers.

A special feature of cinerarias is made at the Farnham Royal Nurseries, Slough, belonging to J. James & Son. A gorgeous picture has been presented this spring with the rich array of tints. The firm has also a fine collection of stellata hybrids.

THE RETAIL TRADE

THE custom of wearing skin gloves of some kind when handling roses is becoming quite general with those working among cut flowers. The frequent cases of severe poisoning of late years has made this precaution necessary. The cause of the increase of such cases is attributed by some to the various chemical preparations now used as fertilizers or insecticides. Even as a matter of comfort some protection to the hands is desirable for the big roses of the present day with their enormous stems have thorns of proportionate size and viciousness.

Bridal Flowers.

Orange blossoms are not the flowers that all brides wear when approaching the nuptial altar. In different lands various posies are supposed to be of good omen when a maid is beginning her wedded life.

In Germany the bride wears myrtle.

In Italy, white roses.

Red roses and carnations crown the bride of Spain.

The bride of Greece wears vine leaves.

Crowns of silver deck the brides of Norway, Sweden and Servia.

In Bavaria and Silesia pearls, glass and gold wire are used.

Orange blossoms were worn by Saracen brides and since the time of the Crusades have been worn occasionally throughout Europe as the emblem of marriage. Finally French milliners introduced them definitely into the bridal outfit, and among French and English-speaking people the orange blossom has become almost symbolical of marriage.

A Floral Harp.

The illustration herewith shows a first prize floral design made by Frank Pelicano and exhibited at the flower show of the Pacific Coast Horticultural Society, held at San Francisco, May 12-14. A portrait of the artist will be found elsewhere in this issue. We consider the form of this design peculiarly appropriate for exhibition purposes.



A PRIZE DESIGN.

(Exhibited by Frank Pelicano, San Francisco, Cal.)

Chicago.

Decoration day is over and market men are more than satisfied with the results. There was much room for improvement in some departments of the trade, however, last week. The week started with gloomy prospects, the market being crowded with a surfeit of poor stock made soft by the lazy weather, and southern stock was piling up at an amazing rate. The first four days in the week fell far short of the same period last year and dealers feared a general collapse for the entire holiday week. On Thursday, however, there was a change for the better. Stock shortened up perceptibly and shipping orders started to make an impression on the receipts. By Saturday night everything was well cleaned up, especially in roses and carnations. Sunday gave the growers an opportunity to cut and bring in more stock, and the market recovered again sufficiently and appeared Monday morning with all lines

again well filled. The demand on Monday was strong, but there was then enough of everything, with the possible exception of good roses, to meet all calls. It is noteworthy that jasmine, which promised to count as an important factor this season, did not catch the public fancy with enough force to dispose of the heavy receipts in this line which were stored in many ice-boxes. Peonies had a remarkable run and there appeared to be plenty of them and of excellent quality. The rose situation was most deplorable in point of quality. Few good roses were to be had and wholesalers had a hard nut to crack when it came to filling their shipping orders with the stock called for. There can not help but be much dissatisfaction, but the local dealers were helpless. Not for many seasons have roses been in such a demoralized condition, among the ordinary grades, and instead of improving they appear to be growing worse. Carnations held up

well, good stock selling at a good figure. There was little demand for outdoor valley, but this week there is noted a good run in these flowers. In point of totalsale values of this year's Decoration day business, it hardly averaged up with last year, although more stock was handled, both locally and in the shipping. It was a fine holiday business, taken all in all, and everyone is satisfied. This week there is a fair demand, especially in retail lines. June weddings and commencements are beginning to figure in the retailer's business, and they all report as much as they can conveniently handle.

The extensive stock and greenhouses of Albert Fuchs, on North Halsted street, will be sold at auction on June 15 and 16, between the hours of 2 and 5 p. m. The E. F. Winterson Company has assumed the sale and Ed Winterson will auctioneer the stock, assisted by John P. Degnan, of the same firm. The Fuchs stock is very extensive and embraces in many cases the largest and best stock of certain varieties of palms in the west. Mr. Fuchs has built up an enviable reputation as a palm grower and the stock to be sold is all of the A1 class. Kentias and latanias are the leaders, of the former there being approximately 50,000 fine plants in assorted sizes. Mr. Fuchs is compelled to quit the business owing to ill health. After the sale he will go to Germany, where his wife has been sojourning for a month.

Peter Weiland, formerly of the firm of Reinberg & Weiland, New Castle, Ind., has taken formal possession of the greenhouses at that place, the transfer going into effect June 1. He has opened a wholesale store at Cincinnati, O. The New Castle range embraces about 100,000 feet of glass.

Poehlmann Brothers Company has been particularly successful this season with American Beauty roses. The company will this year try asparagus growing in a new house which is being constructed for that purpose. This will be its first attempt in this department.

Wietor Brothers are nearing completion in their planting out operations. They will increase their rose growing space this season and will add other improvements. Nic. Wietor forecasts a splendid chrysanthemum season.

Fred C. Chapman, rose grower at Vaughan's Greenhouses, Western Springs, lost his three-year-old boy, who died of scarlet fever. Two other children ill with the same disease are recovering.

J. A. Budlong is providing much needed bench room and is offering a remarkably fine stock of American Beauty and Meteor rose plants at reasonable figures.

Charles McKellar is receiving almost daily shipments of choice cattleyas and other orchids which are meeting with good sale for wedding decorations, etc.

Manager C. M. Dickinson, of E. H. Hunt's reports an exceedingly heavy shipping demand right up to Decoration day with little cessation.

A. L. Randall Company is receiving red peonies from Emil Buettner. Home grown peonies are beginning to arrive in large quantities.

C. N. Thomas, of A. L. Randall Company, is spending some time at his old home in West Springfield, Pa., on a well deserved vacation.

Bentley-Coatsworth Company has a lead on Liberty roses, which are now being cut in good sizes and excellent color.

J. B. Deamud is emphasizing his supply of fancy ferns, another large consignment of which he received this week.

Bassett & Washburn are coming in with a fine lot of Kaiserin and Carnot roses.

Michael Winandy has a large patch of asters coming in fine condition.

Bedding plants will be well cleaned up at good prices.

Visitors this week were Peter Weiland, of New Castle, Ind., and Cincinnati, O., and William Swinbank, of Sycamore, Ill.

Philadelphia.

Decoration day gave quite a little impetus to the business, flowers of all kinds being in demand. Beauty roses especially were in demand and moved up a peg, going to \$2 for the specials, and the day after being quite cool \$2.50 was grudgingly given for stock not quite so good. Teas were also in favor, and all good stock was quickly grabbed up, white seeming to be the scarcest. Prices ranged from \$4 to \$8. The hot weather of the last week told on the stock and it has fallen at least 25 per cent in quality. Carnations had a great sale and all were sold at fair prices, ranging from \$1.50 to \$4. Sweet peas helped out nicely. They sold for from 50 to 75 cents per hundred. Peonies, which were just about in, sold well at from \$5 to \$8 per hundred. There were not roses enough for the demand. Next week there will be peonies to burn, so to speak, with prices not worth quoting.

The plant men had a great run, and everything in flower was sold. It looks now as if most of them would clean up nicely. At Westcott's nurseries they say the last two weeks have nearly if not quite broken the record. All hands have worked night and day to get out the orders.

S. S. Pennock says his Decoration day trade was the best ever and most satisfactory. Anything in the shape of a flower was in demand somewhere and prices were quite good for the quality of the stock.

There were many set pieces of immortelles to be seen in the store windows, but hardly as many as last year. S. S. Pennock had an elaborate affair for Gen. Grant's tomb, which completely filled the window.

W. K. Harris has had a great run on Ramblers and Eaton roses. No one has ever had them finer. They are ideal pot plants.

Leo Niessen handled quantities of Beauty roses, and reports quite an increase over last year's business at this time.

Eugene Bernheimer had a great run on sweet peas. A late shipment of 5,000 received Monday were all gone in a jiffy.

Edwin Lonsdale is getting the grounds at Girard college in splendid order. The beds at the entrance, which were beautiful, with their masses of hyacinths and tulips, and later with pansies, are rapidly being filled, some with geraniums and others with crotons. There is a bed of fine scarlet geraniums said to be Alphonse Riccard and believed by Mr. Lonsdale to be the best of its color. La Pilot, that grand old stand-by, is no longer planted, as its constitution seems to be gone. Some choice varieties amongst them La Pilot are being fertilized, and we look for some good things in this and other lines to come from the skillful work of Mr. Lonsdale. A large frame of alternantheras on a hot bed is a solid mass of color. The divided plants are dibbled into the soil instead of being potted and seems to grow faster and move just as readily as

from pots and with less labor. A pink geranium which is considered much the best of its color is called Glorius. In almost every point of excellence it has all the other pinks distanced. Another good pink is called Miss Frances Perkins. K.

"Peony night" at the Florists' Club will be held in connection with the regular June meeting on Tuesday evening, June 7. Exhibits are invited by the committee having the matter in charge, and it is to be hoped an exhibition worthy of the flower will result.

Those intending to exhibit should forward the flowers by express prepaid in care of David Rust, Horticultural Hall, Broad street, above Spruce, Philadelphia, Pa. EDWIN LONSDALE, Sec'y.

St. Louis.

The general verdict is that Decoration day business this year was hardly up to the standard. This is accounted for almost entirely by the fact that on Sunday and Monday we had an almost continual downpour of rain. Saturday was a good day, bright and clear, and business was brisk. The wholesalers report that stock was exceptionally good, owing to the few cool days preceding, and despite the poor weather most staples were pretty well cleaned up. There was and is now a shortage of common ferns and in consequence peony leaves and other greens had to be pressed into service for funeral work by some of our retailers. Roses are in good demand and some particularly fine Carnots, Bridesmaids and Kaiserins were seen at Ellis' Monday. Peonies and sweet peas are just now in oversupply.

The healthy condition of the market just now is due almost entirely to the numerous World's Fair receptions and several large weddings which are keeping our West End florists busy. The downtown transient business after Memorial day is a factor hardly to be reckoned on ordinarily, but conditions may be different this year.

The Koenig Floral Company grew an extra quantity of plants this year, expecting more or less wholesale trade. It finds, however, such an increase in its retail business that it is cleaned out of everything but a few geraniums. Otto Koenig is walking with crutches. A young horse got frolicsome and kicked out a piece of his shin bone.

George Waldhart has weddings and decorations for every day this week. A reception last week at the French pavilion used up 700 long-stemmed American Beauty. A wedding decoration next Saturday will take 300 Golden Gate and 600 Bride and Beauty roses.

Following is the schedule for the special exhibition of hardy roses at the World's Fair, June 18 to 28:

Class 1, general display of bedding and polyantha varieties; not less than five clusters of each variety.

Class 2, general display of Bourbon, Bengal, Austrian and China roses, not less than five blooms of each variety.

Class 3, general display of climbers and ramblers; not less than five clusters of each variety.

Class 4, exhibit of any novelty or variety not classified above.

Class 5, general display of hybrid perpetual or remontant varieties; not less than five flowers in each variety.

Class 6, general display of all classes of hardy roses.

Entries must be received by superintendent not later than June 15.

Applications for space at the S. A. F. exhibition are coming in rapidly. This will be the banner year for exhibitors and

those who wish advantageous positions would better make application soon to the superintendent, C. A. Kuehn, 1122 Pine street.

Mrs. Ayess reports the best business in years. Memorial day alone used up 200 baskets and bouquets. She reports three big weddings this week and several receptions.

A meeting has been called for June 2 of the chairmen of all the Florists' Clubs' committees to compare notes and report progress.

Ellison has a big reception to the Japanese commission, decorations for which will take fifty dozen long American Beauty.

Visitors: John Schnabel, Columbia, Mo.; Martin Reukauf, representing H. Bayersdorfer & Company, Philadelphia, Pa., and C. DeWever, representing Vaughan's Seed Store, Chicago.

J. W. D.

Boston.

As anticipated, Decoration day trade in cut flowers, reached unprecedented proportions in this market. Unfortunately the weather for several days preceding was such as would properly belong to the midsummer "dog-day" period and the effect of the temperature on roses was terribly destructive. Never before has such an avalanche of useless, fagged out stuff been cast upon this market. Crate upon crate of roses, carnations, tulips, lily of the valley, stocks and garden flowers, all in the last stages of disintegration were received at wholesale headquarters, the contents of which were not worth the cost of transportation. This feature of the business was a most serious drawback to the wholesale distributors who, with a demand of insatiable proportions were forced to their wits' end to dig out from the stock on hand material that would command approval on arriving at its destination. It is too bad to have to report, as veracity compels, that much of the annoyance of handling the useless material, much of the ill-temper and vituperative controversy engendered might have been spared by the exercise of a normal degree of common sense on the part of certain of the growers. That men are foolish enough to suppose that they could hoard up carnations and roses in advance in anticipation of holiday demands at the end of a hot May and expect anybody to buy it seems incredible, but that was what they did do and were it not for the help received through large shipments from distant cities where Memorial day has not yet attained the importance it has in Boston, many a suburban florist would have been minus the stock needed to fill his orders. Outdoor flowers were much more abundant than had been anticipated, the hot weather pushing things along at a tremendous pace until, instead of a season two weeks or more behind the average, we find it fully caught up and on some varieties of herbaceous and shrub flowers actually ahead of the average flowering time. Rugosa roses, rhododendrons, snowballs and officialis peonies were available for Decoration day use, a rather unusual condition in this neighborhood. People were not looking for this class of goods, however, and much of what was sent in might have better have been left on the bushes to illumine the landscape. Greenhouse flowers had the call and customers were inclined to be as critical as at Christmas or Easter as to quality, although naturally looking for lower prices than on the winter holidays.

Baltimore.

There was a moderate volume of trade the last week in cut flowers, and on Saturday the increase was marked. This was largely due to the anticipatory orders for cemetery decorations for Sunday, which largely took the place of the day following, which is established by law and custom, and for the demands occasioned by the May processions of the Catholic church, in which thousands of children took part, all bearing bunches, wreaths or garlands. There was a great influx of hardy stock but, contrary to usual experience, it was not much in request. Peonies were behindhand owing to the retarded season, but Japan snowballs, spiræas, etc., could not be moved at all. It looked at first as though there would be a shortage in carnations, but the demand was met by the growers, and there were some left over. The fakirs are on the streets again, and the campaign against them seems over. At the Florists' Exchange, both Saturday night and Monday, the stock was pretty well cleared out, prices, of course, ruling low. Inquiry was received in this city from Philadelphia houses for carnations and peonies, but neither could be supplied over local requirements in any quantity. Lilies sold fairly well, but there was an excess of sweet peas. Yesterday there was a grateful shower and to-day the town is covered with peonies, some of the newer introductions being immense in size and superb in color.

Decoration day coming on Monday there was double opportunity for trade. The custom of decorating graves is slowly extending beyond the former custom of strewing with flowers the resting places of soldiers, sailors and others who served their country in war and peace. But the day, in its trade aspect, does not here equal its celebration in the north and west. There is no market demand for plants as in those sections, the embellishments being confined mainly to cut flowers and wreaths.

Halliday Brothers say there was not much doing over former years, though they find a gradual improvement in the demand for the day. John Cook gives the same report. The stores near the cemeteries were very busy. Edward Kress, at Baltimore cemetery never had a busier day. John Donn hopes to see the use of plants extended as it is in other parts. Philip B. Welsh was quite satisfied with the business done.

Thos. H. Patterson and wife have gone to Boston to spend a month, both being broken down in health. S. B.

Washington, D. C.

There is such an abundance of outdoor stock that the exotics are in danger of being forgotten. Yet there is good greenhouse stock on the market. American Beauty, Bride, Bridesmaid and Golden Gate roses are to be seen that are worthy of note. A week of continuous sunshine has put the stamp of summer on most of the pink roses and carnations and many of them are disposed to go down in a short time. There are carnations in several of the stores that for length of stem and general qualities, considering the hot weather, are wonders. Peonies are plentiful, and some fine ones are to be seen selling fast at from \$1 to \$3 per dozen. Gladioli sell well at \$1.50 to \$2 per dozen and nymphæas at 50 cents per dozen. American Beauty roses bring \$3 to \$5; Bride and Bridesmaid \$1 to \$2; carnations, 25 cents to \$1. Sweet peas sell well at 25 cents per bunch. An

enormous amount of outside stock is being handled, but much of it is going for a song. Unless rain comes soon the day of outside stock will be short for planted out stock is even now very near the danger line.

Now that Decoration day is past we may expect a season of dullness, though they do say that June will be scarcely long enough for all the weddings that are booked.

George A. Cornely, of Bellaire, Va., who has a stall in the Center market, has erected a new house 16x80 feet for general stock.

Smith & Talbert, a new firm in the florist business, are about to build two houses at Good Hope, D. C., 16x60 feet each. S. E.

Cleveland.

Memorial day here, as far as the sale of flowers is concerned, proved a dismal failure. A steady downpour of rain all day was the cause of all the trouble. Those who had made extensive preparations for a large cemetery trade were sadly disappointed. Not one-tenth of the business was transacted that would have been had it been a fine day. Scarcely any bedding out has been done owing to unfavorable weather. The difficulty in getting geraniums and other stock in bloom is due to the same cause. Altogether the spring so far has proven very unsatisfactory to plant and cut flower men alike. Roses were in abundance, the cheaper grades selling fairly well. Carnations were not in over supply, but there were sufficient to meet all demands. *Lilium longiflorum* was very much in evidence, with no special demand for them. Peonies were scarce, which may eventually prove a good thing for those growers who handle them, as there is more likelihood of their being used to better advantage and better prices for weddings and commencements, which are due this week and next. Some extra fine outdoor valley is coming in and sells fairly well at \$1.50 to \$2 per 100.

Wm. Parks, the Euclid avenue florist, is very much elated over the success of his original cooling process for a cut flower case. The apparatus consists of a number of one-inch pipe coils elevated near the ceiling of the case, through which cold water, under high pressure, flows continuously. He claims it keeps the flowers in perfect condition for a much longer time than an ice box, and gives better satisfaction to the customer afterward.

Bate Brothers will take a crop of cucumbers out of their houses previous to planting them to carnations, roses having been discarded entirely. Joost has proven the best money-maker and will be planted extensively by this firm for next season's work.

Burglars entered the store of Geo. W. Smith, on Wade Park avenue, one night last week, blew open the safe, stole \$30 and a lot of cut flowers. The police were unable to get a clew to the thieves.

Quite a number of the rose growers have commenced to replant their houses. The F. R. Williams Company heads the list, with one-third of the houses replanted.

Robt. Miller has resigned from his position of rose grower for the J. M. Gasser Company.

Visitors in the city last week were Mr. and Mrs. John Walker and Miss Florence Seaver, of Youngstown, O.; W. P. Craig, of Philadelphia, Pa.

Esco.

THE AMERICAN FLORIST

NINETEENTH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
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in the trade.

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10 Cents a Line, Agate; \$1.00 per inch.
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No Special Position Guaranteed.

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10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
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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.

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

Did you get your winter coal bills
added to your prices of bedding plants?

COLEUS GOLDEN BEDDER is again a
good seller. In its place it has no rival.

DICKSONIA ANTARCTICA, young speci-
mens in 6-inch pots, make admirable house
plants, the fronds being hard and very
persistent.

THE supply of reliable named sorts of
cannas at the end of the planting season
this year seems to be less than for several
seasons. Evidently this plant has not
yet gone out of fashion.

JOHN SCOTT, Brooklyn, N. Y., of
Nephrolepis Scottii fame, has, we under-
stand, imported some Boston ferns from
Porto Rico. It will be interesting to
watch the result of the experiment.

LEUCOTHOE CATESBEI, the useful ever-
green from the North Carolina moun-
tains so widely used in recent years by
northern florists, is reliably hardy as far
north as Boston, retaining its rich green
foliage throughout the winter.

COOL, judicious culture of the common
type of Araucaria excelsa makes a plant
hardly recognizable as such when com-
pared with the spindling specimens fre-
quently seen. Broad, massive foliage
equal to some of the high-priced fancy
forms is the result of cool treatment.

ALEXANDER MONTGOMERY doesn't
believe in drying off the tea roses. His
method is to let them bloom out natu-
rally as much as they choose to do and
this gives the plants all the check they
need in midsummer. A rose dried off as
was generally done in the past takes a
long time, well into the winter, before it
gets to working freely again.

ONCE more we have the mystery of the
changeable colors in the hydrangea
explained. It is definitely proven, we
are informed by a prominent New York
plant grower, that the new Hydrangea
Hortensia rosea becomes invariably the
new Hydrangea azurea when planted in
a certain soil found in one district of
France which is now on the market at
\$2.50 per bag.

THE alarmists have discovered that the
popular Boston ivy (Ampelopsis Veitchii)
is a serious menace to the structural sta-
bility of the churches and other edifices
on which it has been induced to climb.
The immediate cause of the scare, which
the daily papers are doing their best to
encourage, is the news that an old ivy-

covered church in England, aged some
450 years, has been found to be in a state
of advanced decomposition. This re-
minds us of the story of the old reprobate
who died at the age of 99 years as a re-
sult of the excessive use of tobacco from
early boyhood.

Important Legal Decision.

An important verdict has been handed
down in the courts of Elizabeth, N. J.
The Elizabeth Nursery Company was
awarded judgment in the sum of \$5,782
in a suit against the Lister Agricultural
Chemical Company, of Newark, N. J., for
injuries to roses resulting from the use
of impure fertilizer purchased by the
plaintiff from the defendant company.

Chrysanthemum Society of America.

SPECIAL PRIZE OFFER.

Nathan Smith & Son offer the follow-
ing special prize for the Boston chrysan-
themum show: \$25 cash for the best
twelve white chrysanthemums, American
or foreign origin, disseminated in 1904.
To be judged from a commercial stand-
point; stems, not less than 30 inches
long; open to private gardeners only.

FRED H. LEMON, Sec'y.

Geranium Buds Dry Off.

ED. AM. FLORIST:—What causes gerani-
um buds to dry off? My stock is in
good condition with this exception.

H. G. A.

This is more than I can answer with-
out seeing the plants. It may be some-
thing for a scientific man to reply to, as
some fungus may be at work. In my
experience amongst geraniums nothing
like what appears in the query has come
under my notice. The plants growing in
too dense a shade might be the cause, for
a geranium dearly loves the full sunlight.
Too much shade and too much water
both at the root and overhead are possi-
ble causes of the trouble. L.

Coming Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BOSTON, MASS., November 3-6, 1904.—
Chrysanthemum exhibition Massachusetts
Horticultural Society. W. P. Rich,
Sec'y., Horticultural Hall, 300 Massa-
chusetts avenue, Boston, Mass.

CHICAGO, November —, 1904.—Annual
exhibition Horticultural Society of Chi-
cago. E. A. Kanst, Asst. Sec'y., 5700
Cottage Grove avenue, Chicago.

DOBB'S FERRY, N. Y., November 11-12,
1904.—Fourth annual flower show
Dobb's Ferry Gardeners' Association.
Henry Kastberg, Sec'y., Dobb's Ferry,
N. Y.

NEW YORK, N. Y., November 8-17,
1904.—Annual exhibition American Insti-
tute of the City of New York. Dr. Robert
Taylor, Mgr., 19-21 West 44th street,
New York.

PROVIDENCE, R. I., November 16, 1904.
—Chrysanthemum and carnation exhibi-
tion Rhode Island Horticultural Society.
C. W. Smith, Sec'y., 27-29 Exchange
street, Providence.

Heating a Water Tank.

ED. AM. FLORIST:—We wish to heat a
water tank by steam to keep it from
freezing. The tank has a capacity of

sixty barrels, standing eight feet from
the boiler and ten feet above the
ground. The boiler is twenty-horse
power. The steam pipe will have to be
exposed to the cold air for two feet
before it reaches the tower. How can
we connect it so as to have a good cir-
cuit? Will a coil on the outside of the
tank made of 1-inch pipe keep the water
warm and return the condensed steam
to the boiler? F. & S.

If the boiler is ten feet in diameter, one
coil inside the tank will prevent freezing
but two will be desirable if the water is
to be tempered for the plants. Merely
connect the upper end of the coil to a
flow and the lower end with a return
pipe. L. R. T.

San Francisco.

There is not a great deal of stock in the
market but enough for the business
which has been quieter than usual for the
past two weeks. Sweet peas are plenti-
ful and have taken a drop in price. They
are now bringing 50 to 75 cents per
dozen bunches, each bunch containing
from 75 to 100 blooms. When the peas
first arrived in market they brought as
high as \$1.50 to \$2 per dozen bunches.
All stock generally speaking has taken
a drop in prices. Beauties, the best, can
be had at \$2 to \$2.50 per dozen. The
best tea roses bring 50 cents per dozen.
Carnations can be had at almost any
price from 10 cents to 35 cents per dozen.
Prosperity and Enchantress still bring
50 cents.

The spring exhibition of the Pacific
Coast Horticulture Society, held in the
grand nave of the Ferry building May
12-13-14, was pronounced a grand
success both financially and otherwise.
The following florists had full charge of
the show and are deserving of a great
deal of credit:

H. Plath,	T. A. Munro,
Frank Pelicano,	W. Eldred,
C. Fick,	P. Rock,
J. W. Bagge,	N. Peterson.

The following prizes were awarded:

Roses, best and largest collection grown under
glass, P. C. Meyer & Co., Burlingame, Cal.; first;
Ferrari Brothers, of San Francisco, second.

Roses, best and largest collection, field grown,
F. Ludermann (Pacific Nursery).

Roses, best vase, any variety grown under
glass, Ferrari Brothers.

Carnations, best and largest collection, P. C.
Meyer & Co.

Carnations, best vase, John H. Sievers & Co.

Carnations, best vase Prosperity, P. C. Meyer &
Co.

Sweet peas, best collection, Mr. Morse.

Iris, best display, Ferrari Bros.

Pelargoniums, best and largest collection, John
H. Sievers & Co.

Pansies, best and largest collection, H. Plath.

Lilies, best display, P. C. Meyer & Co.

Peonies, California Nursery Co.

Decorative plants, best collection, John H.
Sievers & Co.

Ferns, best and largest collection, H. Plath.

Ferns, best specimens, H. Plath.

Best flowering plants, P. C. Meyer & Co.

The silver cup offered by P. C. Meyer &
Company for the most artistic floral
design was awarded to Frank Pelicano
& Company for a harp made up of
orchids, Bride and Mme. Cecile Brunner
roses and rare ferns. The second prize
was awarded to the Art Floral Com-
pany, and the third to the Belmont
Florists.

For some time past the retail florists
have been making preparations to close
their business Sunday afternoons and
during the week at 8 p. m. Owing to the
slack business in the summer months
most of the florists have decided to do so
with the exception of one downtown
store and one uptown. On May 23 the

most enthusiastic members of the association held a meeting and decided to disregard the obstinate ones and to close from June 1 to September 1, and if everything went well to continue to do so thereafter.

A. Stagnaro, of San Francisco, has made a success of growing Japanese longiflorum lilies in solid benches. The plants are all very healthy looking and the stalks average about five feet in length, carrying from eight to twelve good flowers. Out of 1,500 plants he lost only fifty bulbs. Frank Pelicano & Company have bought his entire stock as they are specimen flowers and command a good price.

Candidum lilies have made their first appearance and are of good quality.

A. J. R.

New York.

The wholesale market is still encumbered by a superabundance of flowers. Bulbous material is about finished, but peonies fill the room vacated by it. Outside lily of the valley being finished, that article now returns to the choice class, and in company with cattleyas, asparagus and moss roses assumes an unassailable position in line for high grade weddings.

The annual exhibition of the American Institute will be held in Herald Square exhibition hall, November 8-17. Dr. Robert Taylor is general manager, with offices at 19-21 W. Forty-fourth street, New York.

OBITUARY.

James Quinn.

James Quinn, the oldest florist in Brookline, Mass., died May 31, aged 75 years.

Lucius H. Foster.

Lucius H. Foster died from an apoplectic stroke at his home in Dorchester, Mass., Thursday morning, June 2.

Bertha Feuerstake.

Miss Bertha Feuerstake, aged 39, was found dead in bed Saturday morning by her father, William Feuerstake, of 4715 Gravois avenue, St. Louis, Mo. William Feuerstake, her father, is a prominent florist out on Gravois road, where he has lived since he came to this country from Germany in 1842. Miss Feuerstake was born there and had never left her home for any length of time. She was out and around the yard Friday seemingly in the best of spirits, rendering her sudden death a surprise as well as a blow to all.

August Schmitt.

August Schmitt, the well known florist of Glenville, a suburb of Cleveland, O., while lying in bed the night of June 1, committed suicide by shooting himself through the head. The flash from the revolver set the bed clothing on fire and when Schmitt's family returned home that night the building was in flames. Mr. Schmitt's body was found to be badly burned. He had suffered from poor health for some considerable time and this is supposed to have been the cause of suicide. Mr. Schmitt was favorably known to the trade generally. He was always pleasant and genial and will be greatly missed at the gatherings of Cleveland florists. He was 63 years of age.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By salesman, also experience in rose growing and pot plants. Address X PHILADELPHIA, care American Florist.

Situation Wanted—By experienced grower of cut flowers. Carnations and 'mums a specialty. Competent to take charge; strictly sober and reliable; married. References. Address G M, care American Florist.

Situation Wanted—In florist store, good designer and plant salesman and all-around storeman; 9 years in last position. Eastern states preferred. Address JOHN PRICE, Waverly House, Charlestown, Mass.

Situation Wanted—By a good rose grower; 11 years' experience in large establishments where good stock is grown. West or southwest preferred. State wages. Address B. LIPMAN, 1229 Webster Ave., New York.

Help Wanted—Good carnation grower; single man. Apply at once with full particulars. Address NIC. ZWEIFEL, North Milwaukee, Wis.

Help Wanted—At once, rose grower who can turn out good stock. Must be sober, industrious and reliable. Steady position to right party. State wages expected, also references. Address R G, care American Florist.

Help Wanted—First-class carnation grower immediately, to take charge of section; must be sober, industrious and reliable. Steady position. State salary expected; references. Address C G, care American Florist.

Help Wanted—A first-class florist to take charge of conservatories growing a general line of stock on a large estate near Lexington, Ky. First-class house and liberal salary to proper party. Address with references and price, BONAKER, The Florist, Lexington, Ky.

Help Wanted—A good man who thoroughly understands the business, who is capable of taking charge of place when manager is away; must be able to handle men; married preferred, with small family. State wages and experience. Address C. H. FREY, Lincoln, Neb.

Help Wanted—At once, a thoroughly practical man to take charge of a fern and asparagus growing establishment; also to hire and discharge men. None but an energetic man with first-class references need apply. Address MRS. D. FISHER, Woburn, Mass.

Help Wanted—A splendid opportunity for a capable and reliable florist, to take full charge of 15,000 feet of glass. Must be a good grower of cut flowers and plants for retail trade. Only those with full qualifications need apply. Send references and wages wanted with room and board. FRED. J. KINO, Ottawa, Ill.

Help Wanted—Reliable working foreman for 60,000 feet of glass; one capable of taking full charge; must be posted in growing of high grade cut flower stock; sober, industrious and able to handle help. State wages expected, experience and references. Steady position to right party. Western man preferred. Address STEADY, care American Florist.

Wanted to Buy—About 10,000 to 15,000 square feet of glass in good condition, vicinity of Chicago preferred. \$800 cash balance on time. Address H D, care American Florist, Chicago.

Wanted Partner—With money to develop and enlarge a good paying business; 3,600 feet of glass, want to double or treble size of plant. It is too small for present needs. Population 4,000. Other towns in easy reach. Partner who understands gardening preferred. For particulars, address Box 276, Richmond, Mo.

For Rent—4,000 square feet of glass; good location. 1309 5th St., Milwaukee, Wis.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. JAS. RICHARDSON, London, O.

For Sale—A rare bargain, about 6,000 feet of glass in a Kansas natural gas town of 12,000 inhabitants. Very little competition. Anyone looking for a snap should investigate this. Two reasons for selling. Address R H, care American Florist.

For Sale—Florist and market gardening place at auction, 10:00 a. m. Thursday, June 23; 7,000 feet of glass, steam heat, house, barn, 25 acres land, stock, tools, crops, near 15,000 population, on electric road. Fine chance.

A. F. JOHNSON, Gardner, Mass.

For Sale—Cheap if sold at once; reason for selling, owner leaving country; six greenhouses, cold frames, covering 15,000 feet of glass; well stocked, doing wholesale and retail business; 5-room dwelling house. Address A. SVENSON, 56 Central Ave., East Providence, R. I.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address SAMUEL J. BUNTING, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—General florist and gardening property, established twenty years, at Grand Haven, Mich., about eight acres, muck and sand, twelve houses, 22,000 feet of glass, steam, dwelling, barn and canning factory. Must be sold by order of the court, June 18th. Address J. CHAS. ROSS, South Union St., Grand Rapids, Mich.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 11 large greenhouses, 20 lots 125 feet deep, 500 feet frontage, fine dwelling house, etc., with modern conveniences; plenty of water and coal; good soil; everything in first-class order; all new. Have other business; have to give this up. There is money in it. I have made money, so can you. Try it. Terms reasonable.

W W, care American Florist.

Flower Seed Man

WANTS POSITION as manager of the flower seed and bulb department of a prominent firm doing a general retail and wholesale business. 20 years' thorough, practical and commercial experience in flower seeds and bulbs; well up in composition of catalogues and advertising. Position must be permanent. Address "Flowerman, care Am. Florist, 42 West 28th St., New York.

For Sale or Rent A good paying place in the heart of a thriving Iowa city of 10,000 inhabitants. Must sell on account of poor health. 5000 feet of glass, 3 acres good land, 2 blocks from main street; fine well and city water; windmill and 100 bbl. tank; 40 h. p. boiler; coal house, potting room. Only one other greenhouse in town and output far below the demand. Two dwelling houses connected; Iowa Central switch track passes garden and coal house; long distance phone and other conveniences. A gilt-edged opportunity. \$3,000.00 cash or \$4,000.00 in reasonable payments. Address K M Y, care American Florist.

IN OKLAHOMA

Our business, Nursery, Seed and Floral, has grown up to our full financial capacity and is still expanding. We want more capital to use in it. Will take a partner with money to invest who can furnish A+ references, or we give good security for a loan. Correspondence solicited.

THE STILES CO.,

Seedsmen, Nurserymen, Florists,
OKLAHOMA CITY, OKLA.

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. H. Hunt,
WHOLESALE
Cut Flowers
 "THE OLD RELIABLE."
 76 Wabash Ave., ...CHICAGO.
Wholesale Flower Markets

MILWAUKEE, June 2.

Roses, Beauty, long per doz.	3.00
" " med. " 1.50@ 2.00	
" " short.....	4.00@ 8.00
" Bride, Bridesmaids.....	4.00@ 6.00
" Meteor, Golden Gate.....	4.00@ 6.00
" Perle.....	4.00@ 6.00
Carnations.....	1.00@ 3.00
Smilax.....	15.00
Asparagus.....	35.00@50.00
Valley.....	3.00
Tulips.....	2.00@ 3.00
Callas.....	10.00
Harrisii.....	12.50
Peonies.....	4.00@ 6.00
Sweet peas.....	.50@ .75
Adiantum.....	1.00@ 1.50

PITTSBURG June 2.

Roses, Beauty, specials.....	20.00@25.00
" " extras.....	10.00@15.00
" " No. 1.....	6.00@10.00
" " ordinary.....	3.00@ 5.00
" Bride, Bridesmaid.....	2.00@ 8.00
" Meteor.....	2.00@ 6.00
" Liberties.....	3.00@12.00
" Kaiserin.....	2.00@ 8.00
Carnations.....	.75@ 3.00
Lily of the valley.....	1.00@ 4.00
Smilax.....	12.50@15.00
Asparagus, strings.....	30.00@50.00
Asparagus Sprengeri.....	2.00@ 3.00
Lilies.....	4.00@ 8.00
Candy Tuft.....	1.50@ 2.00
Daisies.....	.50@ 2.00
Gladroll.....	10.00@15.00
Peonies.....	5.00@ 8.00

CINCINNATI, June 2.

Roses, Beauty.....	2.00@ 6.00
" Bride, Bridesmaid.....	2.00@ 5.00
" Liberty.....	4.00@ 8.00
" Meteor, Golden Gate.....	4.00@ 8.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	15.00
Adiantum.....	1.00@ 1.50
Violets.....	.50
Narcissus.....	3.00
Romans.....	3.00
Harrisii.....	8.00@12.50
Calla.....	6.00@10.00

St. Louis, June 2.

Roses, Beauty, long stem.....	2.50@3.00
" Beauty, medium stem.....	1.50@2.00
" Beauty, short stem.....	.50@ 1.25
" Bride, Bridesmaid.....	4.00@ 8.00
" Golden Gate.....	3.00@ 6.00
Carnations.....	1.50@ 4.00
Smilax.....	15.00
Asparagus Sprengeri.....	2.00@ 3.00
" Plumosus.....	25.00@50.00
Ferns, Dagger per 1000 1.50	
Callas.....	8.00@10.00
Harrisii.....	8.00@10.00
Adiantum.....	1.00
Peonies.....	4.00
Sweet peas.....	.50

C. A. KUEHN,
Wholesale Florist,
 1122 Pine St., ST. LOUIS, MO.
 A Complete Line of Wire Designs.

HEADQUARTERS FOR FANCY FERNS.
 New or Old Ones \$3.00 Per 1000.

AMERICAN BEAUTY	Per Dozen.	Per 100
38-inch stems.....	\$3.00	
24 to 30-inch stems.....	2.50	
18 to 24 ".....	1.50 to 2.00	
12 to 18 ".....	1.00	
	Per 100	
Bride and Maid.....	\$4.00 to 6.00	
Golden Gate.....	4.00 to 6.00	
Liberty, Chateaufort.....	6.00 to 12.00	
Carnations.....	1.50 to 2.00	
Peonies, per dozen.....	35c to \$1.00	

Valley.....	\$2.00 to \$4.00
Harrisii.....	10.00 to 12.50
Asparagus Sprengeri, sprays....	2.00 to 4.00
" Plumosus, string, 25c to 50c each	
Fancy Ferns.....per 1000, \$3.00	.35
Galax, Bronze, Green, 1000, \$1.25	.15
Adiantum.....	1.00
Smilax.....	20.00
Gardenias.....	2.00
Sweet Peas.....	.50 to 1.00

We shall have a complete stock of all best varieties of PEONIES. Write us your needs.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

NOTICE TO THE TRADE.

PETER WEILAND,
 Successor to Reinberg & Welland

Has leased Room 18, 128 East Third Street, Cincinnati, O., for Wholesale Business. The greenhouses at New Castle, Ind., are planted with American Beauty, Bride and Bridesmaid Roses, four benches of Asparagus and one bench of Sweet Peas. I also have a field of 4,000 Peonies, which will produce from 40,000 to 50,000 flowers, ready to pick from June 1.

PRICE LIST.

AMERICAN BEAUTY,	Per Doz.	Per 100
38-inch stems.....	\$3.00	
24 to 30-inch stems.....	2.50	
12 to 18-inch stems.....	\$1.00 to 1.50	
	Per 100	
Short stems.....	\$2.50	
BRIDE, long.....	4.00	
" medium.....	3.00	
" short.....	2.00	
BRIDESMAID, long.....	\$4.00	
" medium.....	3.00	
" short.....	2.00	
PEONIES.....	\$1.00 to 6.00	
ASPARAGUS		
Plumosus, sprays 50c per bunch.		
Sprengeri, sprays.....	3.00	

J. M. McCULLOUGH'S SONS
WHOLESALE FLORISTS
 ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.
CONSIGNMENTS SOLICITED.
 Special Attention Given to Shipping Orders.
 316 WALNUT ST. CINCINNATI, OHIO.

Pittsburg Florist Exchange
WHOLESALE FLORISTS.
 243 Diamond St., Pittsburg, Pa.
 CONSIGNMENTS SOLICITED.

Wm. Murphy
 GROWER AND WHOLESALE COMMISSION DEALER IN
Cut Flowers.
 AND FLORISTS' SUPPLIES.
 Fresh cut daily of American Beauty, Bride, Maid, Liberty, Carnations, Sweet Peas, Lilies and Smilax. Galax Leaves always in stock. Ferns and Sphagnum Moss.
 WRITE, WIRE OR PHONE
 128 E. 3rd St., CINCINNATI, OHIO.
 L. D. Phone M-980. Night Messages W-1191 R.
 Please mention the American Florist when writing.

H.G. BERNING
Wholesale Florist
 1402 Pine St., ST. LOUIS, MO.

SUCCESSFUL SELLERS.....
 are the successful growers who advertise in **THE AMERICAN FLORIST.**

PEONIES FOR JUNE WEDDINGS AND COMMENCEMENTS

These are the popular flowers of the season. We can fill all orders with choice stock at \$3.00 to \$4.00 per 100.

Asparagus is scarce but we have plenty of Smilax, \$2.00 per dozen; \$15.00 per 100.

ALL CUT FLOWERS IN SEASON.
—SEND US 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, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 36-inch stem.....	\$3.00
24-inch stem.....	2.50
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	1.00
Short stems, \$1.00 to \$3.00 per 100	
	Per 100
Bride, Maid, Meteor and Gate...	\$3.00 to \$ 6.00
Liberty.....	4.00 to 8.00
Roses, our selection.....	2.00
Carnations.....	1.00 to 1.50
" large and fancy.....	2.00 to 3.00
Peonies.....per doz., 35c to 50c	
Valley.....	2.00 to 4.00
Poet Narcissus.....	1.00
Mignonette, per doz...35c to 50c	
Sweet Peas.....	.75 to 1.00
Forget-me-nots.....	1.00
Marguerites.....	.50 to .75
Callas, per doz.....\$1.00 to \$1.25	
Harrisii, per doz....	1.00 to 1.50
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns.....per 1000, \$3.00	.30
Galax.....per 1000, 1.25	.15
Adiantum.....	.75 to 1.00
Smilax.....per doz., \$2.00	
Leucothoe Sprays.....	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

THE BENTHEY-COATSWORTH CO. WHOLESALE FLORISTS CHICAGO.

35 RANDOLPH ST.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

Frank Garland,
Wholesale Grower of **CUT FLOWERS.**

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS.**
Room 218, 51 Wabash Avenue.
Telephone Central 3284. **CHICAGO.**

A. L. RANDALL CO.
Wholesale Florists.

19 & 21 Randolph St., **CHICAGO.**
Send for weekly price list and special quotations on 1000 lots.
Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**
Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.
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.**

It is good business policy to mention **The.... AMERICAN FLORIST**
When you write to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.
Wholesale GROWER of **CUT FLOWERS**
Roses and Carnations A Specialty.....

HOLTON & HUNKEL CO., -- Wholesale Cut Flowers --

457 Milwaukee Street. MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, June 3.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" 20 to 24 "	2.00@2.50
" 15 to 18 "	1.50@ 2.00
" 12 "	1.00@1.50
" Liberty.....	4.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 1.50
" fancy.....	2.00@ 3.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@6.00	
" Sprengeri.....	3.00@ 6.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
" Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000	3.00@ 4.00
Smilax.....	15.00@20.00
Callas..... 1.00@ 1.25 per doz.	
Harrisii..... 1.00@ 1.50 "	
Sweet peas.....	.75@ 1.00
Peonies.....	3.00@ 5.00

SINNER BROS.
Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Growers' Co. Telephone—Central 3067.
All telegraph and telegraph orders given prompt attention.

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.**
Please mention the American Florist when writing.

Poehlmann Bros. Co.
Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention. **35-37**
GREENHOUSES: Morton Grove, Ill. **CHICAGO, ILL.**
Please mention the American Florist when writing.

WEILAND - AND - RISCH
CHICAGO'S RELIABLE
Wholesale Growers and Shippers of **CUT FLOWERS,**
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

KEWANEE, ILL.—Hamilton & Plummer expect to put up three new Dietsch pattern greenhouses this year, each 16x110 feet.

Leo Niessen

FOR JUNE WEDDINGS and COMMENCEMENTS,
VALLEY, BEAUTIES,
SWEET PEAS.

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

N. F. McCARTHY & Co.,
WHOLESALE
FLORISTS.
MANUFACTURERS AND IMPORTERS OF FLORISTS' SUPPLIES.
AUCTION SALES OF PLANTS
84 HAWLEY STREET.
.....BOSTON.

WELCH BROS.

CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.
1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.
Open from 7 A. M. to 6 P. M. Telephones.
Please mention the American Florist when writing.

THOMAS YOUNG, Jr.
WHOLESALE FLORIST.
CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.
Please mention the American Florist when writing.

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.
Please mention the American Florist when writing.

N. Lecakes & Co.
53 W. 28th St., and 45 W. 29th St., Also at 26th St. and 34th St. Markets
NEW YORK.
FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES
GREEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$8.50 per case of 10,000.
Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.
Please mention the American Florist when writing.

Galax, Brilliant Bronze or Green, selected stock, \$1.00 per 1000; \$3.75 per 500. Leucotloe Sprays, assorted sizes, \$1.00 per 100. Rustic Hanging Baskets. Best make, 8-in., 10-in., 12-in. bowl, each, 50c, 75c, \$1.00. ALL KINDS OF FLORISTS' SUPPLIES.
L. J. KRESHOVER,
Tel. 597 Madison Square. 110-112 W. 27th St., New York.

Wholesale Flower Markets

BOSTON, June 1.

Roses, Beauty, extra.....	8.00@15.00
" " medium.....	5.00@ 6.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid.....	1.00@ 3.00
" extra.....	4.00@ 6.00
" Liberty.....	4.00@ 8.00
Carnations.....	1.00@ 2.00
" Fancy.....	2.00@ 2.50
Lily of the valley.....	1.00@ 3.00
Harrisii lilies, Calla.....	6.00@ 8.00
Smilax.....	12.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Peas.....	.50@ .75

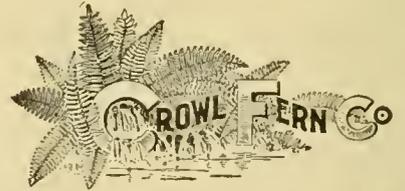
PHILADELPHIA, June 1.

Roses, Tea.....	3.00@ 5.00
" extra.....	6.00@ 8.00
" Beauty, extra.....	10.00@16.00
" firsts.....	6.00@ 8.00
" Queen of Edgely, extra.....	10.00@16.00
" firsts.....	6.00@ 8.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Snap Dragon.....	4.00@ 6.00
Sweet peas.....	5.00@ 7.50
Peonies.....	3.00@ 6.00

BUFFALO, June 2.

Roses, Beauty.....	3.00@25.00
" Bride, Bridesmaid, Meteor.....	2.00@ 8.00
Carnations.....	1.00@ 3.00
Harrisii.....	5.00@ 8.00
Lily of the valley.....	1.00@ 3.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1.00
Callas.....	5.00@ 8.00
Sweet Peas.....	4.00@ .75

NEW CROP DAGGER FERNS
75c per 1000. Fancy Ferns, \$1.25 per 1000. Galax, bronze or green, 75c per 1000. Use our Mountain Laurel for your decorations, 4c, 5c and 6c per yard. Made fresh daily from the woods. Flowering Laurel in its season. Can ship large or small lots, 50c for a nice bunch with lovely pink blossoms. Just what you want for your June decorations.



Tel. Office, New Salem, Mass. Millington, Mass.

FOR SOUTHERN WILD SMILAX.
(Where quality is First Consideration)
Write, Wire or Phone the Introducers,
CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

Michigan Cut Flower Exchange,
WM. DILGER, Mgr.
All Cut Flowers in Season.
26 Miami Ave., DETROIT, MICH.

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.
Wholesale Cut Flowers and Supplies.
Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.

SUCCESSFUL SELLERS

are the successful growers who advertise in *THE AMERICAN FLORIST*

THE AMERICAN FLORIST

GIBSON CITY, ILL.—Swan Peterson sold \$500 worth of plants to the Wabash Railroad Company for decorative purposes.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all reasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.
55 and 57 West 28th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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. NEW YORK.
Phone 399 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,
Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 956 Madison Sq.
116 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.
55 and 57 W. 26th St. NEW YORK.
Cut Flower Exchange.
OPEN 6:00 A. M.
An Unequaled 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 2.

Roses, Beauty, Liberty, best.....	8.00@15.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 4.00
" Bride, Bridesmaid, G. Gate.....	.50@ 5.00
" Brunner.....	2.00@10.00
Carnations.....	.25@ 1.00
" fancy and novelties.....	1.50@ 3.00
Lily of the valley.....	1.50@ 1.50
Lilies, Callas.....	2.00@ 4.00
Smilax.....	10.00@15.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Peonies, red.....	3.00@ 4.00
Peonies, pink.....	8.00@12.00
Gardenias.....	5.00@10.00
Stocks.....	.10@ .25 per bun.
Sweet peas.....	.01@ .08 per bun.
Moss Roses.....	.75@ 1.00 per bun.

Charles Millang

WHOLESALE FLORIST.
Conservatory connected from which can ship ferns and decorative plants promptly
50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Always mention the American Florist when you order stock.

FORD BROS.

Receivers and Shippers of
Fresh Flowers
111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.
REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.
COMMISSION DEALER in FLOWERS
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 1664 and 1665 Madison Square.

THE NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments:
TELEPHONE 756 Madison Sq. J. A. MILLANG, MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.
Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St. New York.
Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,
Telephone 421
Madison Square.NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.
Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. **Cable Address: ALEXCONNELL.**
WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

**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.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, L. Dial. Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Umbria	1	Sat. June 11, Noon.	June 18
New York	"	Campania	1	Sat. June 18, 10:00 a. m.	June 25
Boston	"	Ivornia	1	Tues. June 7, 4:30 p. m.	June 15
New York	Glasgow	Mongolian	2	Thur. June 9, Noon.	June 19
Montreal	Liverpool	Ionian	2	Sat. June 11,	June 19
Montreal	"	Bavarian	2	Sat. June 18,	June 26
New York	Hamburg	Deutschland	3	Thur. June 9, 2:00 p. m.	June 17
New York	"	Graf Waldersee	3	Sat. June 11, 3:00 p. m.	June 20
New York	"	Auguste Victoria	3	Thur. June 16, 10:00 a. m.	June 25
New York	Copenhagen	Helig Olav	4	Wed. June 8, 2:00 p. m.	June 18
New York	"	Island	4	Sat. June 18, 2:00 p. m.	June 28
New York	Glasgow	Astoria	5	Sat. June 11, 8:00 p. m.	June 21
New York	"	Anchoria	5	Sat. June 18, Noon.	June 28
New York	London	Minnehaha	6	Sat. June 11, 3:30 p. m.	June 21
New York	"	Minneapolis	6	Sat. June 18, 9:00 a. m.	June 28
New York	Liverpool	Teutonic	7	Wed. June 8, 10:00 a. m.	June 15
New York	"	Celtic	7	Fri. June 10, 8:00 p. m.	June 17
Boston	"	Republic	7	Wed. June 15, 8:00 a. m.	June 22
Boston	"	Cymric	7	Thur. June 9, 6:00 p. m.	June 18
Boston	"	Romanic	7	Thur. June 16, 11:00 a. m.	June 23
Boston	Genoa	Romanic	7	Sat. June 18, 1:00 p. m.	July 2
New York	Southampton	St. Paul	8	Sat. June 11, 9:30 a. m.	June 17
New York	"	Philadelphia	8	Sat. June 18, 9:30 a. m.	June 25
New York	Antwerp	Kronland	9	Sat. June 11, 10:30 a. m.	June 21
New York	"	Zeeland	9	Sat. June 18, 10:30 a. m.	June 28
New York	Havre	La Lorraine	10	Thur. June 9, 10:00 a. m.	June 18
New York	"	La Gascogne	10	Thur. June 16, 10:00 a. m.	June 25
New York	Rotterdam	Potsdam	11	Tues. June 14, 10:00 a. m.	June 24
New York	Genoa	Citta di Torino	12	Tues. June 7,	June 22
New York	"	Sicilia	12	Tues. June 14,	June 29
New York	Bremen	Prinzess Alice	13	Tues. June 7, 11:00 a. m.	June 17
New York	"	Kaiser Wilhelm II	13	Tues. June 14, 6:00 a. m.	June 21
New York	"	Barbarossa	13	Thur. June 16, Noon.	June 26
New York	Genoa	Prinzess Irene	13	Sat. June 11, 11:00 a. m.	June 24
Boston	Liverpool	Devonian	14	Wed. June 8, 5:00 a. m.	June 18
Boston	"	Bohemian	14	Wed. June 15, 10:30 a. m.	June 25
Montreal	"	Dominion	15	Sat. June 11,	June 20
Montreal	"	Cambroman	15	Sat. June 18,	June 27

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

**JOHN BREITMEYER'S
SONS**

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

Artistic Designs. * * * * *
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

**The Park
Floral Co.**

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Etruria	1	Sat. June 11	June 18
Liverpool.....	"	Lucania	1	Sat. June 18	June 25
Liverpool.....	Boston	Saxonia	1	Tues. June 7	June 15
Glasgow.....	New York	Numidian	2	Sat. June 18	June 28
Liverpool.....	Montreal	Parisian	2	Thur. June 9	June 17
Liverpool.....	"	Tunisian	2	Thur. June 16	June 24
Hamburg.....	New York	Bleucher	3	Thur. June 9	June 19
Hamburg.....	"	Patricia	3	Sat. June 11	June 21
Hamburg.....	"	Moltke	3	Thur. June 16	June 26
Copenhagen.....	"	Hekla	4	Wed. June 8	June 18
Copenhagen.....	"	United States	4	Wed. June 15	June 25
Glasgow.....	"	Columbia	5	Sat. June 11	June 21
Glasgow.....	"	Furnessia	5	Thur. June 16	June 26
London.....	"	Mesaba	8	Sat. June 11	June 21
London.....	"	Minnetonka	8	Sat. June 18	June 28
Liverpool.....	"	Majestic	7	Wed. June 8	June 15
Liverpool.....	"	Arabic	7	Fri. June 10	June 17
Liverpool.....	"	Oceanic	7	Wed. June 15	June 22
Liverpool.....	Boston	Cretic	7	Thur. June 16	June 23
Naples.....	"	Canopic	7	Wed. June 15	June 27
Southampton.....	New York	St. Louis	8	Sat. June 11	June 18
Southampton.....	"	Germanic	8	Sat. June 18	June 25
Antwerp.....	"	Finland	9	Sat. June 11	June 21
Antwerp.....	"	Vaderland	9	Sat. June 18	June 28
Havre.....	"	La Savoie	10	Sat. June 11	June 20
Havre.....	"	La Bretagne	10	Sat. June 13	June 27
Rotterdam.....	"	Ryndam	11	Sat. June 11	June 21
Rotterdam.....	"	Noordam	11	Sat. June 18	June 28
Genoa.....	"	Nord America	12	Mon. June 6	June 21
Genoa.....	"	Liguria	12	Mon. June 13	June 28
Bremen.....	"	Bremen	13	Sat. June 11	June 21
Bremen.....	"	Kronprinz Wilh.	13	Tues. June 14	June 21
Bremen.....	"	Grosser Kurfuerst	13	Sat. June 18	June 28
Genoa.....	"	Konig Albert	13	Thur. June 9	June 22
Genoa.....	"	Konigin Louise	13	Thur. June 16	June 29
Liverpool.....	Boston	Cestrian	14	Sat. June 11	June 21
Liverpool.....	"	Winifredian	14	Sat. June 18	June 28
Liverpool.....	Montral	Canada	15	Thur. June 9	June 18

* See ateamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.	
" " 30-in. "		\$3.00
" " 20-24 "		2.50
" " 15-18 "		2.00
" " Short stems.....		1.50
	Per 100	.75 to 1.00
SUNRISE.....		\$5.00 to \$7.00
CHATENAY.....		6.00 to 10.00
BRIDE.....		3.00 to 6.00
BRIDESMAID.....		3.00 to 6.00
PERLE.....		3.00 to 6.00
CARNATIONS.....		1.50 to 2.00
ROSES, OUR SELECTION.....		4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

Please mention the American Florist when writing.

A Daily Cut From 40 Growers

"Highest Qualities"
AS WELL AS
"Under Grades"

At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR

Cut Flower Wants

TO ADVANTAGE.

Cannas BEST FRENCH SORTS.

GERANIUMS, COBAEAS,
VINCAS, Etc.

We have a Choice lot of stock to offer.
Send us a list of your needs for prices.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.

E. F. Winterson, Jno. P. Dagnan, L. H. Winterson.
Successors to McKellar & Winterson.
45-47-49 Wabash Avenue, CHICAGO.



New Crop Dagger Ferns. \$1.50 Per 1000.

We carry the finest and most complete stock of Florists' Hardy Dagger Ferns A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00; 25 pound case, \$3.50 per case. Laurel Pestooning, good and full, 5c and 6c per yard. Leucothoe Spravs, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Spbagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Distance Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.

NICKEL PLATE.

The New York, Chicago & St. Louis R.R.

NO EXCESS FARE ON ANY TRAIN

Three Express Trains Eaet every day in the year. Pullman Drawing Room Sleeping Care on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boaton without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points Eaet. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip Eaet, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

Brant & Noe Floral Co.,

CROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS

And Dealers in FLORISTS' SUPPLIES
All Kinds of

At Chicago Market Rates.

42-44 E. Randolph St., CHICAGO.

Please mention the American Florist when writing.

HYANNIS, MASS.—Theodore F. Drew has been experimenting with seedling geraniums, and has secured a new plant of exceptional beauty of foliage and blossom.

Yellow Daisies and fine Kaiserins, Maids and Brides, Fancy Carnations.

PITTSBURG CUT FLOWER CO., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Please mention the American Florist when writing.



PALM—Letania Barbatica.

AUCTION—AUCTION

ALBERT FUCHS, 2045 North Halsted Street, CHICAGO.

A Chance of a Lifetime 75,000 PALMS, FERNS, Etc., to be disposed of to the highest bidder on June 15 and June 16 E. F. WINTERSON CO., AUCTIONEER'S Superintendent.



PALM—Kantia Forsteriana.

"The finest stock of Palms in the West." The consensus of opinion of many up-to-date Florists who have visited our plant within the last month.

Illness compels me to retire from business and I have decided to sell on June 15th and 16th inst., between the hours of 2 and 5 p. m., by Auction through the E. F. WINTERSON CO., 45, 47, 49 Wabash Avenue, Chicago, and to the highest bidders the contents of my greenhouses, located at 2045 North Halsted Street, Chicago, and consisting of 65,000 Palms, Ferns, etc., as listed below, all of which have been cool and light grown, no forced or "strung out" stuff in the lot; every plant is healthy and with fine, dark foliage. All of these plants are ready for immediate shift.

If it will not be possible for you to attend the auction in person or through a representative, send a commission, either direct to myself or to the E. F. Winterston Co., with remittance of 10 per cent made out in the name of Greenbaum & Sons, bankers, 83-85 Dearborn Street, Chicago, and state the highest price you wish to bid on the different stock listed. Either myself or my auctioneers will offer said bid in auction and if there is no higher bid the stock will be shipped to you, carefully packed, previous to June 22nd. In the event that your offer is overbid the amount advanced by you will be returned in full within three days after the sale. Messrs. Greenbaum will hold in trust all moneys advanced in this connection and we are privileged to refer to this firm (one of the best known banking institutions in the West) as to the quality of stock offered and our ability to carry out any contracts made by us.

If you cannot attend the Auction in person or send a representative either myself or E. F. Winterston Co. will look after your interests. Don't fail to send remittance to extent of 10% with your commission.

Make all checks payable to Greenbaum & Sons, Bankers.

MESSRS E. F. WINTERSON CO., Superintendent of Auction.

Make Checks Payable to GREENBAUM & SONS, Bankers, 83-85 Dearborn St., Chicago.

We hereby authorize you to bid in for us at the auction of the ALBERT FUCHS GREENHOUSES the following goods at the price stated and we enclose 10 per cent of the total purchase which you guarantee to return within 3 days after the auction, should the stock be sold at a higher price than we bid, or send us the goods within one week from date of sale carefully packed.

Quantity.	Kind.	Size Pot.	No. Leaves.	Height of Plant.	Wholesale Value.	My present Prices Each.	Per 100	Insert here price you wish to bid.
6000	Kentia Belmoreana from seedbed.	2	2-3	4-6	\$.06	\$.05	\$3.00	
8000	"	3 1/2	3-4	6-10	.15	.09	7.00	
7000	"	4	4-5	9-14	.35	.21	18.00	
8000	"	5	6-8	18-30	.75	.60	50.00	
3000	"	6	6-8	20-36	1.50	1.15	90.00	
2000	"	7	6-8	28-38	2.50	2.00	170.00	
300	"	8	6-8	36-42	3.00-5.00	2.50	220.00	
100	"	9	6-9	40-48	7.00-10.00	5.00	.....
2500	Kentia Forsteriana.	3	3-4	6-8	.15	.14	12.00	
500	"	5	5	30-38	.75	.70	65.00	
800	"	6	5-7	34-36	1.50	1.25	100.00	
1000	"	7	5-7	42-52	2.50	1.80	150.00	
150	"	8	5-7	48-72	3.00-10.00	2.50-6.00	.....
100	"	9	5-7	68-78	5.00-25.00	4.00-15.00	.....
1000	" made up	6	.....	28-40	1.50	1.10	100.00	
500	Pandanus Uhlis	6	.....	15	1.00	.60	50.00	
200	Pandanus Veitchii	6	.....	15	1.00	.90	90.00	
200	"	7	.....	22	2.00	1.75	150.00	
190	"	8	.....	28	3.00	2.25	200.00	
1000	Latania Borbonica	5	5-7	12-15	.40	.20	18.00	
2000	"	6	5-8	16-28	.75	.40	35.00	
1000	"	7	6-9	26-30	1.00	.75	65.00	

What Prominent Florists Say About Our Stock.

Stafford Greenhouses, Merquette, Mich. "Your stock is worth much more money than you ask for it; will soon order more."

Bertermann Bros. Co., Indianapolis, Ind. "The Palms were excellent; check for \$150.00."

The Foster Floral Co., of St. Louis. "After 3 \$100 orders telegraphed for \$2,845 worth, and one day after they got the Palms, sent in \$219 check for \$2,845 and acknowledged they received Palms in one condition and not pot broken."

G. Fredricksen, Glen Lord Mich. "I never had so much, nor such fine Palms for \$85; they were picked elegant."

Quantity.	Kind.	Size Pot.	No. leaves.	Height of Plant.	Wholesale Value.	My present Prices Each.	Per 100.	Insert here price you wish to bid.
1000	Latania Borbonica	6	6-9	30-32	\$2.00	\$1.50	\$90.00	
250	"	9	7-9	32-36	3.00	2.50	225.00	
	Pious Elastica	5	.....	.....	.50	.35	30.00	
	"	6	.....	.....	1.25	.50	48.00	
	Stook plants	5-8	.....	.....	.75	.75	25.00	
7000	Boston Ferns, cool gr. fr. bench	.....	.....	.....	.....	.15	10.00	
400	"	5	.....	.....	.....	.40	18.00	
200	"	6	.....	.....	.....	.80	30.00	
	Asparagus Plumosus	4	.....	.....	.15	.12 1/2	12.00	
	" Sprengerii	4	.....	.....	.15	.10	10.00	
	" Moss baskets	5	.....	.....	.30	.20	18.00	
	Aspidistra, green, per leaf	.....	.....	.....	1.50-2.50	1.00-2.00	.....
	" variegated	.....	.....	.....	.....	.05	5.00	
	Areca Lutescens	5	6-8	15-20	.50	.25	20.00	
	"	6	6-12	22-36	1.00	.60	50.00	
	Cycas Revoluta, Sago Palm, fine large trunks, 5-10 feet high, \$25.00 to \$200.00.	.....	.....	.....	.....	.....	.....
	1 Kentia Belmoreana, 12 feet high, 10 leaves, \$150.00.	.....	.....	.....	.....	.....	.....

A GOLD DOLLAR FOR 50 CENTS I offer previous to the auction my entire institution with upward of 75,000 of the best Palms, Ferns, etc., in the country for only \$18,000 and will give a 99 year ground lease at the very low rate of \$200 per month, to parties who can furnish reliable security. I will sell on the basis of one-fourth cash and the balance on long time.

FLORISTS, VEGETABLE GARDENERS, Etc., In the event that I do not sell my entire plant to one party, the following greenhouses are for sale at prices named, viz.: 2-25x100 feet houses for \$300 each, cost \$1,210 each; 3-25x115 feet houses, for \$320 each, cost \$1,500 each; 2-25x100 feet houses for \$325 each, cost \$1,500 each; 3-25x150 feet houses for \$500 each, cost \$2,100 each. These greenhouses will be sold separately or if the entire 10 are taken I will sell them for \$3,000.

E. F. WINTERSON COMPANY, AUCTIONEER'S

Sale will be held on June 15 and June 16, 2 to 5 P. M., at 2045 North Halsted Street, Chicago.

E. F. WINTERSON.
JOHN P. DEGNAN.
L. H. WINTERSON.
Superintendent.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

Congressional Seedsmen.

PUBLIC PAYS SALARIES AND SUPPLIES SEEDS.

If the current custom of indiscriminate distribution shall indefinitely continue, if this congressional comedy shall drift into a continuous performance, we shall ultimately be driven to the mournful admission that we are not statesmen, but seedsmen; and it will be in order for some distinguished seedsman, some sainted hero of a score of memorable distributions, some legislative knight upon whose shield is blazoned a radish in its glory or a turnip in repose, to arise in his place with becoming gravity and move, Mr. Chairman, that the American eagle be taken from the mace and supplanted by a package of vegetable seed as the supreme emblem of the genius, the character, and the principal occupation of American statesmanship.—*Morris Sheppard, of Texas, in House of Representatives.*

J. E. KILLEN is now traveling for Wm. Rennie, Toronto, Ont.

LOUISVILLE, KY.—S. F. Leonard, of Chicago, was a recent visitor.

THE weather continues very unfavorable for the corn crop. All growers are anxious.

FOREST PARK UNIVERSITY HOTEL will be seed trade convention headquarters at St. Louis.

SALT LAKE CITY, UTAH.—Schwarz & Heinecke have failed. Assets about \$425; liabilities about \$800.

THE Wholesale Seedsmen's League will meet at Forest Park University hotel, St. Louis, Mo., June 23 and 24.

OKLAHOMA CITY, OKLA.—E. DeBeer, representing the Budlong Company, Chicago, booked some orders for onion seeds here the last week.

SEEDSMEN not members of the American Seed Trade Association who think of attending the St. Louis convention should forward their names to Secretary C. E. Kendel, Cleveland, O.

VISITED CHICAGO: William P. Craig, of Philadelphia, Pa., en route to Mexico. Mr. Craig has recently taken a stand in the Philadelphia wholesale flower market on his own account, and will handle bulbs, seeds and similar lines; B. L. Bancom and wife of Portland Seed Company, Portland, Oregon.

NEWPORT, R. I.—There seems to be quite a little complaint about potatoes not coming up well. It is thought so much wet weather has caused them to rot in the ground, especially those that were planted very early. Later planted ones have done much better and at this writing look more than average well.

WM. F. McCORD has severed his connection with Cook & McCord Company, Tarrytown, N. Y., and is now doing business in another store in Main street, Tarrytown, as Wm. E. McCord Company. He is handling a general line of seeds and flowers. Cook & McCord have ceased to do business under such firm name, but their business is being cared for at the greenhouses at Glenville, near Tarrytown, under the name of the Glenville Nursery Company, John Cook, manager.

Catalogues Should State Prices.

I have had many complaints from prospective buyers, writes one of our consuls in Siam, that in the greater part of the catalogues issued by our manufacturers there are no price lists attached, but a note saying that such a list will be sent upon application. This means a delay of three months before an order can be given, and from five to six months more before the merchandise is received here. Under these circumstances it is not surprising that the merchant should prefer to order from catalogues where the prices and discounts are already stated. I am quite sure that if all our manufacturers would do this it would result in more frequent orders from the far east.

Disease of Peas.

A disease of peas due to attacks of fungus, *Fusarium vasinfectum*, has been under observation in Holland for a number of years. The affected plants turn yellow and soon die, and an investigation shows that the roots are the seat of the fungus attack. The organism causing the disease has been isolated and studied on a number of media. It is believed to be closely related to the fungus which causes the wilt of melons, cotton, cowpeas, etc., and the author has described it as *F. vasinfectum pisi. n. var.* Inoculation experiments have been successfully performed showing that this fungus is the cause of the disease. As it usually makes its appearance about June 24, the disease is locally known as St. John's disease of peas.—*Experiment Station Record.*

British Seed Trade Notes.

Business this spring has been fairly bright with the seed merchants. A brisk demand continues to prevail for farm seeds. All descriptions have been freely purchased well into May, owing to the spring sowings being somewhat later than usual. On the whole, a very satisfactory business has been done. Prices are firmly sustained, whilst the stocks left over for next season will be very limited. The Eldorado plants to which I referred in a previous letter, are becoming more numerous. H. J. Jones, of Rycroft Nurseries, the well known chrysanthemum expert, is growing a selection of the best varieties of potatoes, and he is now offering Eldorado plants at £2 2s., about half the price previously quoted. As it is estimated from three to six pounds of seed potatoes can be obtained from each plant, and these in the fall of the year will be worth £3 a pound, the investment is an attractive one. A. Findlay, the raiser of Eldorado, has found it necessary to issue a warning against buyers being misled by a similarly named tuber, which has been introduced in America and Austria.

Great regret has been expressed at the announcement that Martin J. Sutton, of Sutton & Sons, Reading, has resigned his seat on the council of the Royal Agricultural Society. Mr. Sutton disapproves of certain action taken by the council. His loss will be greatly felt, for besides being a liberal contributor to the funds, he rendered valuable services during the past twenty-one years on the journal, chemical, Woburn experimental farm and education committees. Mr. Sutton is also a life governor of the society, which is now arranging its annual show at the permanent ground at Willesden in June.

From the noted Essex seed farms of Cooper, Taber & Company I have seen some fine samples of the French pansy, Mme. Perret. The blooms were picked from plants that have stood on the farms through the winter, and were raised from seeds sown in the open ground in June. It is a break from the Trimardeau pansy, the large, sweet-scented flowers being tinged with brilliant red. In connection with the old-established firm of Hurst & Son, seed merchants, Houndsditch, there is a flourishing musical society formed amongst the employes. The society recently gave a successful performance of a musical play in aid of a London charity.

The Congressional Garden Seeds.

The time is at hand when I trustfully look
(How my mind on the prospect feeds)
When the mail comes in for a package or two
Of Congressional garden seeds.

'Tis strange how our "Member" my name recollects,
How he knows my desires and my needs!
'Twould glad him to notice my joy when I get
My Congressional garden seeds.

There's lettuce and onions that tardily sprout,
And "punkins" of several breeds,
And "pa'snipa"—I'd scorn 'em except for the fact
They're Congressional garden seeds.

The soil I dig deep, I plant 'em with care,
Per-spiratin from every pore bleeds,
Then I "shoo" out the hens lest they bring up too soon
My Congressional garden seeds.

Each day to my garden with zeal I repair
And struggle with clods and with weeds,
'Till a few struggling sprouts show the germinant strength
Of Congressional garden seeds.

All summer I labor and patiently wait,
Fighting slugs, horers, bugs, centipedes;
And I prune, and I water, I spray the weak shoots
Of Congressional garden seeds.

Though I sing as I gaze at my blistered hands
And my back for a short respite pleads,
Yet for "souvenirs" vainly I look; then I cuss
The Congressional garden seeds.

—*Mount Pleasant (Tex.) Eagle.*

Buffalo.

The weather was very favorable last week for outdoor work. Decoration day trade in the stores was no improvement over last year. As to Monday trade the rain spoiled "what might have been." From a greenhouse point of view it far exceeded last year up to Monday, when the same conditions that affected the stores affected the greenhouses. This is speaking for the greenhouses, which are very near the different cemeteries. Today the weather is about like October or November, cold and rainy.

Each year sees the G. A. R. ranks thinning out and with it the orders from public schools. Where once ten wagons would not carry the flowers five are not half filled. With the death of the veteran also dies the patriotism. One of the largest high schools in the city got \$6.50 collected, where a few years ago it was \$40 to \$50 and a lively competition among the florists. Now none are anxious for the order.

Chas. Kneitsch, who has charge of the supply department of W. F. Kasting, lost his wife on Saturday. Mrs. Kneitsch had been ill for some time, and while her death was not unexpected, it was very sad, as she leaves two small children. Mr. Kneitsch has the club's sympathy.

W. J. Palmer can be found at his store for another month, after which his address will be Lancaster, N. Y. He always spends his vacation hard at work at his pretty place there.

The Florists' Club will not meet again until July, when the St. Louis trip will be talked up. BISON.

== To ==
Seedsman

The Only Machine....

on the market for automatically filling and sealing seed packets. ❁ ❁ ❁ ❁ ❁ ❁ ❁ ❁

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Henry Mette,

QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Beet, Vegetable and Flower Seeds PANSIES.

Mette's "Triumph of the Giants" the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per 1/4 oz.; 75c per 1-16 oz. Postage paid. Cash with order.

Mushroom Growers.

We wish to send you our circular on "MUSHROOM SPAWNS." It tells about spawns in general, and "Tissue Culture Pure Spawn" in particular. Most productive and sure yet. Will you send us your name?

Pure Culture Spawn Co., ST. LOUIS, MO. Box.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurserymen. Raftia, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

Please mention the American Florist when writing.

FROZEN VALLEY PIPS

\$15.00 per 1000.

WM. ELLIOTT & SONS, New York.

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Asparagus Plumosus Nanus SEED.

\$3.50 per 1000; larger quantities less. Guaranteed true to name and of highest germinating quality.

Drake Point Greenhouses,
YALAHUA, FLORIDA.

Tomato Plants.

Stock transplanted, 10 to 12 inches tall, \$1.00 per 100; \$7.50 per 1000; small transplanted, \$2.00 per 1000; seed bed plants by 1000—Acme, Perfection, Favorite, Beauty, Stone, Dwarf Champion, Imperial, Livingston's Dwarf Stone, Earliana, Chalk's Early Jewel.

Write for price list of vegetable plants.

FRANK SHEARER & SON, Binghamton, N. Y.

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NEW BOOK BY ELMER D. SMITH.

IS NOW READY.

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WE ARE NOW BOOKING ORDERS. PRICE, 25 CENTS. CASH WITH ORDER.

American Florist Co., 324 Dearborn Street, Chicago.

LILY OF THE VALLEY. COLD STORAGE.

Extra Selected Pips for delivery from now on through the Summer and Autumn, \$15.00 per 1000.

LORRAINE BEGONIAS, healthy stock, 2 1/2-inch pots.

Immediate Delivery: \$3.00 per doz.; \$22.50 per 100; \$200.00 per 1000.

June-August Delivery: \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000

ARTHUR T. BODDINGTON, 35 Warren St., New York.

LILY of the VALLEY PIPS

FROM COLD STORAGE.

In original cases of 500, 1000, and 2,500.

Prices on application.

CHAS. F. MEYER,
99 Warren St., NEW YORK.

Please mention the American Florist when writing.

MUSHROOM SPAWN.



Frequent importations from England. Always fresh and lively.

J. J. Styer, Concordville, Pa.

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Five Million Vegetable Plants.

Tomato, Acme, Stone, Earliest, D. Champion and others, \$1.00 to \$1.50; transplanted, \$2.50, \$5.00 and \$7.50 per 1000. Very strong.

Cabbage, special strain, Danish Ballhead, Winter, Allhead, Early Summer, Bridgeport, Drumhead, Red Rock, Savoy and Kale, per 10,000, \$8.50; per 1000, \$1.00; per 100, 15c

Celery and Celery, White Plume, J. Hearth, Pascal, Hartwell's Perfect, Winter Queen, \$8.50 per 10,000; \$1.00 per 1000; 15c per 100. Transplanted White Plume, \$2.00 per 1000; 25c per 100.

Pepper, Ruby King, Sweet Mountain, Cayenne, and other varieties, \$1.50 per 1000. Transplanted, strong, \$3.50 per 1000.

Sweet Potato, Yellow Jersey, \$1.25 per 1000.

CASH WITH ORDER. PRICE LIST MAILED FREE.
Ludvig Mosbaek, 'Phone 105, Onarga, Ill., and South Chicago, Ill.

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The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

VISITED CHICAGO: James McHutchison, of McHutchison & Company, New York.

THE season so far has been favorable to the growth of nursery stock, especially that newly planted.

THE eighth annual convention of the Park and Outdoor Art Association will be held in the Minneapolis and St. Paul building, World's Fair, St. Louis, Mo., next week, June 9-11, inclusive.

THE Piedmont hotel will be the headquarters for the twenty-ninth annual convention of the American Association of Nurserymen, to be held at Atlanta, Ga., June 22-24, inclusive. Those who expect to attend should secure rooms early, either from Hotel Manager Zimmer, Atlanta, Ga., or Secretary George C. Seager, Rochester, N. Y.

NEWPORT, R. I.—It is turning out as many of our experienced gardeners had feared that a large amount of shrubbery has been killed during the past winter. Evergreens especially have suffered and many of the more tender retinisporas must be replaced. Irish yews, as the days get warmer, show how badly burned they are. In the rose beds everywhere there are many more gaps than there should be. Much replanting will have to be done.

Park News.

BOSTON, MASS.—With the exception of the Arnold Arboretum and Franklin park the entire park system of Boston has been opened to the use of automobiles. In Franklin park one through road only has been opened. Most of the parkways under the Metropolitan Park Commission have also been declared open for motor vehicles.

The Metropolitan Park Commission of Massachusetts has finally secured the right of way for the remaining links in the great parkway which is to extend continuously from the public garden in Boston to the foot of Great Blue hill, a distance of ten miles, measured in a straight line. When completed the system of boulevards in Boston and its environs will be unequalled by anything of the kind on this continent.

Timely Comment.

Some of the carried over stock of peach and pear trees has been a drug in the auction rooms in New York this week. The exasperated auctioneer was reiterating, "10 cents for this last bunch of five; is there no advance on two nickels; are you all done at 10 cents; who is the buyer at 10 cents? Don't all speak at one time now; oh, give me a bid or I'll throw them at somebody." And at last one faint heart said: "I'll bid you goodbye."

California privet has been killed down almost to the ground in most cases. On Mr. Macy's estate at Rye, N. Y., two or three miles of privet hedge has been destroyed and is being pruned down to

within a foot of the ground. The Regelianum variety has been proved hardy and will no doubt be used more extensively.

This has been an exceptionally busy spring with nursery stock. The season began late, but the volume of business greatly exceeds that of former years, no doubt on account of the killing winter.

Outdoor peaches in the Hudson river vicinity will be a scarce crop this season. The flower buds failed to develop, no doubt on account of the hard winter. The majority of the trees look healthy.

There has been a big run on hemlock this spring for hedge plants. It is still the old reliable.

Berberis Thunbergii promises to increase in popularity as a hedge plant.

Waterbury, Conn.

It having been said that School Inspector Tyrrell prevented the planting of trees in the school yards in compliance with the governor's Arbor day proclamation, because "this isn't the proper time for planting trees," the Waterbury Herald proceeds to castigate that gentleman in a vigorous manner. If Mr. Tyrrell is guilty he deserves it all, and more. Says the Herald:

Edward L. Tyrrell, he with the black, stubby beard all over his face, by the votes of a majority of the Waterbury board of education inspector of public schools, thus announces himself an authority on horticulture. Never before had the people of Waterbury, unless it might be the aforesaid majority of the board of education, suspected Mr. Tyrrell of being an authority on any matter, not to even the art of cultivating graceful whisks.

Previous to his election to the honorable office of inspector of the public schools, a position which was at one time supposed to be held by a man who knew something about the business, Mr. Tyrrell's sole occupation in life was assisting Benjamin R. Kelsey in chasing up poor unfortunates who were unable to keep abreast of their grocery bills, meat bills and sundry other bills. Since his appointment he has not abated his endeavors to assist his friend Kelsey in the matter of bills, but he has done this work on the city's time and he has received the city's money therefor. That is, he has busied himself a little while each morning in finding fault with some janitor of the public schools and then trotted off to Kelsey's office to get his orders for the rest of the day. And the comptroller pays him his salary every two weeks just the same as he would if the inspector of the public schools devoted all of his time to his duties as he should.

This, then, is the man who sets himself up to know more about planting trees than his excellency, Gov. Chamberlain. And that is the reason why Arbor and Bird day was not celebrated as it should be in Waterbury. By the way, what business is it of the inspector of the public schools to say when trees shall be planted by the school children, anyway? Isn't this man with the luxuriant beard overstepping his authority somewhat? Mr. Tyrrell's appointment lasts for two years, unfortunately for the city of Waterbury. Would it not be wise to suggest to the gentleman who may be elected this fall to succeed Gov. Chamberlain to call upon Mr. Tyrrell before he issues his Arbor day proclamation next year? It will save some people a whole lot of annoyance.

Ionla, Mich.

Decoration day trade was immense, eclipsing any previous year. Everything was well cleaned up, especially geraniums and pansy plants. Toward the last everything with the least sign of a "posy" was carried away.

M. Wetterling had an extra fine lot of Spiraea Japonica and Crimson Rambler roses.

ATTENTION NURSERYMEN AND FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Paeonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. **W. VAN KLEEF & SONS, The Nurseries, Boskoop, Holland.**

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LOUIS LEROY, ANGERS (FRANCE)
OVER 1000 ACRES OF FINEST CULTURES.
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REPRESENTING BEST WHOLESALE EUROPEAN NURSERIES.
SEEDLING STOCK, SHRUBS, ORNAMENTAL TREES, EVERGREENS, FORCING PLANTS.
SUPERIOR QUALITY, GRADING AND PACKING.
SATISFACTION GUARANTEED.
J. F. MULLER NURSERY, Rellingen, (Germany).
FINEST RAFFIA AND TREE SEEDS.

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EVERBLOOMING
THE BEST ROSE NOVELTY.
Dwarf
Crimson Rambler
Vaughan's Seed Store
CHICAGO, NEW YORK.
ORDERS BOOKED NOW.

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Send to THE MOON Company
For Trees, Shrubs, Vines Your and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

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Clematis.

Pot-grown.....\$2.50 per dozen.
Centaurea, Fern-Leaved, per 100.....\$3.00
Peonies, magnificent lot of flowers for decorations. Lowest prices. Also single and double Pool's Narcissus.

F. BALLER, Bloomington, Ill.

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The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

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When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

Jacs. Smits, Ltd.

NAARDEN and BOSKOP, HOLLAND.

Growers of Pot-grown Forcing Plants, Roses, Valley, Spiraeas, Evergreens and all kinds of Ornamental Nursery Stock.

Ask for price list and let us estimate on your list of wants. Address till June 1st, JACS. SMITS, care Mallus & Wares, 136 Water St., New York.

Announcement.

We take pleasure in announcing that

FRED. BURKI

Will be disseminated in 1905, commencing in January.

Fred. Burki is the result of a cross between Lawson and a seedling of much merit—the latter being the seed parent. It possesses all the good qualities to induce the most conservative growers to include it among their best whites.

Here are a few of its Meritorious points:

- 1st. The blooms come perfect and uniform, averaging 3 to 3½ inches.
- 2d. The stem measures from 20 to 30 inches, being stiff and erect and resembles that of Lawson.
- 3d. It never crops, but yields continuously from November until July.
- 4th. The calyx is perfect, showing no tendency to bursting.

5th. Its keeping qualities, a point not to be overlooked, are second to none and equal to the best.

6th. It transplants easily and roots like the proverbial weed. Those who saw it growing are unanimous in declaring the **FRED. BURKI** the ideal white in every respect.

It has scored 88 points at the Detroit Carnation Convention, receiving a Certificate of Merit.

Don't hesitate placing your order for Fred. Burki, it will prove a good investment.

PRICES: \$12.00 per 100; \$100.00 per 1000.
250 at 1000 rates.

Orders filled strictly in rotation.

JOHN MURCHIE,
Sharon, Pa.

S. S. SKIDELSKY,
824 N. 24th St., Philadelphia.

Seasonable Stock! Order Now!

ASPARAGUS DECUMBENS, 2½-inch.....	Per 100	\$ 4.00
" MYRIOCLAUDUS, 8-inch pots.....	each,	\$7.00
" PLUMOSUS, 2½-inch.....		4.00
" " 3-inch.....		7.00
" " 4-inch.....		15.00
" " 5-inch.....		25.00
ABUTILON, Pres. McKinley.....		4.00
AGERATUM, Princess Pauline, Louis Bonnet.....		2.00
ALYSSUM, Double Giant.....		2.00
ACALYPHA, Bicolor Compacta, 2½-inch.....		3.00
AMPELOPSIS VEITCHI, 2 to 3-feet, bushy.....		14.00
" " 3 to 4-feet, heavy.....		16.00
BROWALLIA GIGANTEA, 2½ inch.....		4.00
BOUGAINVILLEA GLABRA, 4-inch.....	doz.,	\$1.50
CALLA, Little Gem, 2-inch.....		3.00
CYPERUS ALTERNIFOLIUS.....		2.50
CHRYSANTHEMUMS, best standard sorts.....		2.50
" " Wm. Duckham.....	doz.,	\$7.50
" " Dr. Enguehard.....	doz.,	5.00
" " Golden Chain.....		10.00
CYCAS STEMS.....	per 100 lbs.,	\$8.00
DAHLIAS, Kriemhilde and Brunhilde, 3-inch.....		15.00
" Named sorts, standard kinds, 2-inch.....		4.00
DRACAENA BRUANTI, 5-inch pots, 24-inch high.....	doz.,	\$5.00
FUCHSIAS, named kinds, 2-inch, strong.....		2.00
FERNS, BOSTON, 2½-inch, very strong.....		5.00
" " 3-inch, very strong.....		10.00
" " 4-inch, very strong.....		20.00
" ADIANTUM FARLEYENSE, 2½-inch.....		8.00
" " 3-inch.....		12.00
" " 4-inch.....		25.00
" " CHARLOTTE, 4-inch.....		15.00
" " CUNEATUM, 3-inch.....		6.00
" " 4-inch.....		15.00
" " 5-inch.....		25.00

FERNS, PIERSONI, 5-inch from stock.....	doz.,	\$6.00
" " 7-inch from stock.....	doz.,	12.00
" " 8-inch from stock.....	doz.,	18.00
GERANIUMS, E. E. Rexford, Beaute Poitevine, A. Riccard, Le Colosse, J. J. Harrison, Pasteur, Queen of the West, Little Pink, Mrs. Hill, Double New Life, Jean Viaud, Mrs. A. Blanc, Mme. de la Roux.....		3.00
GERANIUMS, Mt. Snow; Mrs. Parker.....		4.00
" Mrs. Pollock.....		5.00
" Wm. Languth.....		8.00
GREVILLEA ROBUSTA, 2½-inch.....		3.00
HIBISCUS, named sorts.....		2.50
HYDRANGEA OTAKSA, Thos. Hogg and Red Stemmed.....		4.00
LANTANA, Weeping.....		2.50
LEMON VERBENAS, 4-inch.....		8.00
MARGUERITES, California White.....		2.50
" Etoile d'Or.....		2.50
PELARGONIUMS, best named sorts, 2½-inch.....		5.00
" best named sorts, 4-inch.....		12.50
PENNISETUM LONGISTYLUM, 2½-inch.....		4.00
PHYLLOCTACTUS DEUTSCHE KAISERIN, 3-inch.....		15.00
PHLOX, Hardy, best named kinds, 2-inch.....		4.00
" Hardy, best named kinds, 1-year field roots.....		10.00
PRIMULA OBCONICA, 3-inch.....		4.00
PANDANUS UTILIS, 5-inch.....	doz.,	\$4.00
SAGE, Holt's Mammoth.....		2.50
ROSES, Clothilde Soupert, 2-inch.....		3.00
" " 3-inch.....		6.00
" " 4-inch.....		10.00
" Mad. Petite Andre, 3-inch.....		7.00
" Souv. Pierre Notting, 4-inch.....		10.00
" Evergreen Gem, Triumph, 2-inch.....		2.50
" Universal Favorite and South Orange Perfection, 2-inch.....		2.50
" Ivory, 2-inch.....	\$3.00; 4-inch.....	10.00
" Bedding, assorted, 2½-inch.....		3.50

VAUGHAN'S SEED STORE, Chicago. Greenhouses and Nurseries, Western Springs, Ill.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At St. Louis.

The bowling club score is not worth recording this week. Next week will see a match at \$10 a side between Beyer and Arthur Ellison. This ought to make things interesting. J. W. D.

At New York.

The Empire State Florists' Bowling Club, which meets at the Harlem casino, had two match games last week, also ladies' night, at which a splendid supper was served. Among the members are George Saltford, Sr., Clarence Saltford, Jr., William Mortimer, John Curry, of C. H. Brown's, and John Welsey.

At Chicago.

The third series of the handicap tournament of the Florists' Club bowling team was rolled Tuesday evening at Mussey's alleys. Asmus captured the high total of this round, making 900 points. Stollery continues in the lead, however, and some close bowling is expected before the final results are reached. The following are the figures of the last five games:

Player.	1st	2d	3rd	4th	5th
Balluff.....	127	124	109	176	185
Hanswirth.....	165	191	161	148	153
Scott.....	176	138	165	203	128
Stollery.....	158	178	199	179	172
Asmus.....	199	183	176	174	168
Degnan.....	132	147	124	169	126
Ell.....	100	143	150	121	151
Winterson.....		135	134	125	104
Stevens.....				166	162

LADIES.

Player	1st	2d	3d
Mrs. Asmus.....	112	125	112
Mrs. Winterson.....	70	78	69
Mrs. Hauswirth.....	86	75	93
Mrs. Ell.....		85	74

At Philadelphia.

The first match of the tournament to select the team to represent the club at St. Louis was played on the Central alleys Wednesday evening. The scores were only fair, only one of the individual totals being over 500. Anderson had high game with 209, and Yates rolled high total with 512. After the games were finished the eighteen highest scores received one point each. The score in detail follows. The next contest will take place next Wednesday night on the Arcade alleys, Broad and Chestnut streets.

PLAYER.	1st	2d	3d	Total.
Anderson.....	130	131	209	493
Adelherger.....	144	136	148	328
Connor.....	168	172	153	428
Graham.....	138	125	148	411
Harris.....	145	134	138	417
Kift.....	131	103	138	372
Robertson.....	175	141	178	494
Watson.....	157	145	171	473
Westcott.....	141	115	139	395
Yates.....	182	168	162	512
Moss.....	162	179	140	481

Point winners were Anderson 2, Adelherger 1, Connor 3, Graham 1, Harris 1, Robertson 2, Watson 3, Yates 3, Moss 2. K.

Toronto.

There is an activity at present which is most acceptable to both the grower and retailer. The last two weeks have seen an improvement which, for this season of the year, is remarkable. The spring meet of the Ontario jockey club has brought thousands of visitors to town, many of them of the better class, and there is much entertaining on their behalf. The decorations for the many luncheons at the club house are utilizing many flowers and there are practically no good lines on the market but what are kept well cleaned up. The growers report a good cut, but now that the season is advancing the quality of the stock is beginning to show the effects of warm weather. There are a number of good varieties of roses at present; Franz Deegan is very good and far superior to Perle; it is well liked and will be grown more extensively another season. Ivory and Golden Gate are fine and both Edgely and Beauty are of excellent quality. Bridesmaid and Bride are beginning to deteriorate a little and Meteor is at present off crop. In carnations there are still fine ones to be had. Harrisii are about over and callas are getting smaller. Sweet peas, stocks, marguerites and other smaller flowers are more plentiful. Smilax is still pretty scarce, though asparagus and maidenhair ferns are more plentiful. The prices hold up good on all stock and present quotations are: Beauty, \$25, \$20 and \$10 per 100; teas, \$8 and \$4; carnations, \$4, \$3 and \$2.

Fine Beauty, Edgely and other roses are offered by J. H. Dunlop, whose conservatories are at present looking remarkably well. Some of the houses have already been replanted with young stock and many others will soon follow. Several varieties of the new roses disseminated this year are being tried and show fine growth.

There are not many new buildings contemplated this season, but many of the growers are remodeling and improving their present plants. After the hard trial of last winter the boiler capacity in most places will be increased to a large extent.

Carnations are holding on splendidly and very good flowers are still being cut. The season has been late for carnations, as in most places the ground was too wet to work, but at present most growers are busy getting out their stock.

Herbaceous stock did not have much call this season owing to the backwardness of the so-called "gentle spring," but the material for hedging purposes and window boxes is now in brisk demand.

Dunlop's King street store had a very pretty window of American Beauty roses and apple blossoms, the combination being artistic and effective.

Dan Cupid has been busy this leap year among the florists and in the approaching few weeks at least six will join the happy benedicts.

Grobba & Wandrey are cutting thousands of their own grown outdoor valley. This stock seems to improve with them each year.

The recent fire destroyed several of our best paper box factories, and in this line most of the retailers are very short at present.

A few orchids from Manton Brothers are so quickly used up that no doubt another season will see more of them.

George Gard is cutting some good sweet peas. He has all colors and they find ready sale.

Ed Sinclair has been on the sick list, but is again back to business.

The city parks are a vision of color, the many tulips in different beds being at their best.

T. Hoskins is marketing some well grown hydrangeas.

H. G. D.

Milwaukee, Wis.

There is no questioning the fact that Decoration day trade was phenomenal. Stock of every description was completely cleaned out at good figures. Carnations naturally had the call, and immense quantities were sold, but fully double the amount received could have been sold on Friday and Saturday had they been available. Peonies also did well, especially the white and light pink varieties. Tulips and cape jasmines moved fairly well. Roses did well considering the quality. The volume of trade was way ahead of last season, but the averages to the growers will not come up to the previous season, owing to the fact that stock was almost given away during the first part of the week.

In the plant line there was a heavy demand for geraniums and large numbers were handled. At this time it seems that the season's trade in spring stock will be prosperous.

The Florists' Club meeting will be held next Tuesday at the club rooms in the Empire building. H.

Pennsylvania Horticultural Society.

At the meeting held May 17 there was quite an interesting display of plants of which a well flowered specimen of *Brassia maculata* was distinctly the star attraction. It was exhibited by William Kleinheinz, gardener for P. A. B. Widener. A well merited cultural certificate was awarded for it. For the H. A. Dreer prize for twelve flowers of hardy perennials Joseph Hurley, gardener to James W. Paul, Jr., who received first, was the only exhibitor. It was too early apparently for strong competition. Mr. Hurley was awarded also first for a well grown plant of *Calceolaria rugosa*. First for *Calceolaria hybrida* went to Frank Abbotson, gardener to J. Vaughan Merick, who also showed a well grown plant.

In the Henry F. Michell Company prizes Thos. Holland was first for two heads of cauliflower and Sam Hammond for three heads of lettuce. Special mention was awarded Daniel Neely for well grown Columbia Mammoth asparagus, and to Otto Triebwassa for a display of mushrooms. Altogether it was a very interesting and instructive meeting. These monthly contests among the gardeners are a good thing and other similar organizations might take pattern therefrom, and bring congenial spirits together at least once a month; thus not only securing a quorum at each business meeting but encouraging a spirit of emulation and an endeavor to excel, benefiting themselves and their employers at the same time.

Prof. Skinner's illustrated lecture on "Architecture of Insects," was most interesting and instructive. If the committee on awards while prosecuting its judicial duties would only confer more in an undertone, and carpet was laid for them to walk upon while examining the exhibits to deaden their footsteps, it would be appreciated by the audience who sometimes have difficulty in hearing what is being said by the chairman of the meeting or whoever may be speaking. E. L.

ROSE PLANTS.

WE have an extra fine lot of Rose Plants intended for a new addition to Greenhouses. Unable to complete houses in time, so offer Rose Plants at these low prices.

AMERICAN BEAUTY, 2-inch.....\$2.00 per 100	BRIDESMAID, 3-inch.....\$4.00 per 100
“ “ 3-inch 4.00 per 100	CHATENAY, 3-inch..... 5.00 per 100
BRIDE, 3-inch 4.00 per 100	SUNRISE, 3-inch 4.00 per 100

We guarantee stock to be in extra line condition. Free from mildew or other diseases. Write for prices on large quantities.

Plants Shipped Direct
From Greenhouses at
Rogers Park.

HOLTON & HUNKEL CO.,
457 Milwaukee St., MILWAUKEE, WIS.

Roses

3,000 BRIDESMAID ROSES,
from 3½ and 4-inch pots, extra fine
for sale, \$4.50 per 100; \$40.00 per 1000.

E. T. GRAVE,
RICHMOND, IND.

Wholesale Grower of

CARNATIONS AND ROSES.

La France Roses.

Choice stock in 2½-inch pots,
at \$3.00 per 100.

K. A. VICTORIA.

Choice stock in 3-inch pots,
at \$5.00 per 100.

HONAKER, The Florist,
Lexington, Ky.

American Beauty

3-inch, \$6 per 100
BRIDE and BRIDESMAID, 3-inch, \$4.00 per 100.
GOLDEN GATE, 2¼ x 2¾-inch, \$2.00 per 100.
ASTERS—Hohenzollern, Giant Comet, Carlson,
Japanese, from flats, 75c per 100; \$6.00 per 100.
COBÆA VINES, 5-inch, \$2.00 per doz.
RHOTEN BROS. CO., Box 5, Danville, Ill.

Rose Plants

BRIDE and BRIDESMAID, from 2¼-in.
pots, \$3.50 per 100; \$30.00 per 1000; from
carefully selected wood—worth the price.

L. B. CODDINGTON, Murray Hill, N. J.

ROSES.

—FOR SUMMER BLOOMING.—

4-inch Kaiserin, strong and fine, per 100....	\$10.00
2-inch La France, per 100.....	3.00
1,500 2-inch American Beauty, ready for a shift, per 100.....	\$45.00; per 100..... 5.00
Santolina, 2-inch pots, per 100.....	2.50

CRABB & HUNTER, Grand Rapids, Mich.

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN.

LIBERTY, 3½-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN
GATE, 3½-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

American Beauties.

Plants from 2½-in. pots, clean and
healthy, \$5 per 100; \$45 per 1000.

**JOHN MUNO, Rogers Park,
Chicago, Ill.**
Please mention the American Florist when writing.

Rose Plants

QUEEN OF EDGELY, 2½-inch, per 100, \$8.00;
per 1000, \$85.00. 3-inch, per 100, \$8.00;
per 1000, \$75.00.

OLD STOCK, per 100.....\$6.00

GEO. HARRER, Morton Grove, Ill.
Please mention the American Florist when writing.

AMERICAN BEAUTIES.

Cut Roses—American Beauties and all
kinds of Tea Roses at lowest prices. Trial
orders solicited.

HELLER BROS., New Castle, Ind.
South Park Floral Company.
Please mention the American Florist when writing.

Rose Plants. Extra Choice.

Guaranteed strong, healthy stock.

In 3-inch pots.	Per 100	1000
Golden Gate.....	\$4.50	\$35.00
Bride.....	5.00	40.00
Bridesmaid.....	5.00	40.00
Mme. Chatenay.....	6.00	55.00

—Above prices cash with order.—

JOHN BROD, Niles Center, Ill.

Please mention the American Florist when writing.

American Beauty Roses

Finest plants we have ever offered,
in 2½-inch and 3-inch pots. Write

GEO. A. KUHL, PEKIN, ILL.
Please mention the American Florist when writing.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID.....	\$3.00	\$25.00
BRIDE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00
LIBERTY.....	5.00	45.00
AMERICAN BEAUTY.....	5.00	45.00

In 3-inch Pots.

BRIDESMAID.....	\$4.00	\$35.00
BRIDE.....	4.00	35.00
PERLE.....	4.00	35.00

2-year-old AMERICAN BEAUTY PLANTS
from benches, \$5.00 per 100; \$40.00 per 1000.

GEO. REINBERG,
51 Wabash Ave., CHICAGO.

ROSES FOR FORCING

Nice healthy stock,
selected from well-
grown plants. Sure to give good results.

	2½-in. per 100.	3-in. per 100
American Beauty.....	\$5.00	\$8.00
Perle.....	3.00	6.00
Meteor.....	3.00	6.00
Bridesmaid, extra fine.....	3.00	6.00
Bride.....	3.00	5.00
Golden Gate.....	3.00	5.00
Ivory.....	3.00	5.00

Special price on thousands.

**BOSTON FERNS, 2¼-in. \$3.50 per 100, 3-in.
\$3, 5-in. \$25 and 6-in. \$40.**
Also some fine specimens in pans. VINCA VAR.,
2¼-inch pots, \$3.00 per 100.

Note the low prices on the smaller sizes.
W. H. CULLETT & SONS, Lincoln, Ill.

Always mention the.....

American Florist

when you write to an advertiser.

American Beauties

lot of cull stock we wish to dump. But we have a clean healthy lot of plants which we are offering at very low prices. We intend to establish a reputation on our goods and want your order. The goods are right—but if you don't think so, return them and you can have your money back. Send a dollar for samples if you are dubious. 3-inch, \$6.00 per 100; \$55.00 per 1000. 4-inch, \$8.00 per 100; \$75.00 per 1000.

Yes, we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a

GRAND RAPIDS VIOLET CO.

163 Madison Ave., GRAND RAPIDS, MICH.

Please mention the American Florist when writing

Rose Plants.

Strong Stock from 2½-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00
MME. CHATENAY.....	6.00	50.00
SUNRISE.....	5.00	40.00
KAISERIN.....	3.00	25.00
LIBERTY.....	5.00	40.00
MAID.....	3.00	25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00

Rose Bushes.

2-year Old Plants from Benches.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00
LIBERTY.....	6.00	50.00
BRIDESMAID.....	3.00	25.00
BRIDE.....	3.00	25.00
PERLE.....	3.00	25.00
IVORY.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Decoration Day IS PAST

And you are thinking of planting roses. We have some fine stock in 2x3 and 3x3-inch pots, in La France American Beauties, Golden Gates, Ivory, Perles, etc. Also complete line in 2x2½-in. pots of the following varieties: Meteors, Brides, Maids, Ivory, Golden Gates, Perles, La France, A. V. Kaiserin, Woottons, Belle Siebrecht, Pres. Carnot, American Beauties and Liberty. Get your orders in early. Remember we are headquarters for anything in Ferns, Boston and Pier-sonii, from 2½ to 10-inch, besides Plumosus and Sprengerii in most any quantity. Write

Geo. A. Kuhl,
PEKIN, ILLINOIS.

Please mention the American Florist when writing.

50,000 CARNATIONS

From flats outside and well HARDENED, fit to plant: Louise, Hill, Joost, Crocker, Marquis, Eldorado and Crane, in equal proportion, \$15.00 per 1000; \$2.00 per 100.

Clematis Jackmani, 2 year, field vines, fine, \$2.50 doz. Clematis paniculata and Wistaria magnifica, blue, 75c doz. Ampelopsis Veitchi, 2 year field grown, \$6.00 per 100, dormant, pot grown, long tops, \$4.00 per 100. Vinca major var., 4-in. 8c; 3-in. 5c. Paeonia Roots, double white and double rose, \$1.25 doz.; singles, 50c doz. Hydrangea Olaksa, 4-in. 75c doz. Paniculata grandiflora and Viburnum plicatum, 3 year old bushes, fine, \$1.50 doz. Convention Hall and 8 other leaders in 'Mums. Send for list. Cannas, Bedding Stock, etc. Cash.
BENJ. CONNELL, West Grove, Pa

ROSES...

Maid, Bride, Gate, 2½-inch, per 1000.....	\$25.00;	per 100.....	\$3.00
Maid, Bride, Gate, 3½-inch, per 1000.....			\$50.00
Cut back benched Beauties, per 1000.....	\$50.00	Cut back benched Teas, per 1000.....	\$40.00
2½-inch Beauties, per 1000.....	50.00	3½-inch Beauties, per 1000.....	75.00

CHRYSANTHEMUMS.

WHITE		CUTTINGS 2½-IN. POT		YELLOW	
	per 100	per 100	per 100	per 100	per 100
Willowbrook.....	\$1.50	\$2.50	Golden Wedding.....	2.00	3.00
Estelle.....	1.50	2.50	Gold Mine.....	2.50	3.50
Geo. S. Kalb.....	1.50	2.50	Monrovia.....	2.00	3.00
Timothy Eston.....	2.00	3.00	Nagoya.....	2.00	3.00
Merry Christmas.....	1.50	2.50	Chautauqua Gold.....	2.00	3.50
Wanamaker.....	1.50	2.50	Robert Halliday.....	1.50	2.50
Robinson.....	1.50	2.50	Eclipse.....	2.50	4.00
Chadwick.....	2.50	4.00	PINK		
Fitzwygram.....	2.00	3.50	Murdock, Perrin, Morel, Pacific.....	1.50	2.50
White Bonnaffon.....	2.00	3.00	Coombs, Shaw, Quito.....	2.00	3.00
Crawford.....	2.00	3.00	Richardson, Liger, Heno, Maud.....		
Ivory.....	1.50	2.50	Dean.....	1.50	2.50
Jones.....	1.50	2.50	Duckham, Sensational Pink.....	25.00	30.00
YELLOW			RED		
Bonnaffon.....	1.50	2.50	Childs, Intensity, Schrimpton.....	2.00	3.00
Appleton.....	1.50	2.50	BRONZE		
E. D. Smith.....	1.50	2.50	Lady Hanham.....	2.00	3.00
Omega.....	1.50	2.50	Percy Plumeridge.....	6.00	8.00
Whildin.....	1.50	2.50	Mounier.....	1.50	2.50
Parr.....	1.50	2.50	C. J. Salter.....	6.00	8.00
Sunshine.....	1.50	2.50	T. W. Pockett.....	6.00	8.00
Yellow Jones.....	2.00	3.00	Lord Hopetoun.....	10.00	12.00
Yellow Eaton.....	2.50	4.00			
Pennsylvania.....	2.00	3.00			

Headquarters for Finest Cut Roses and Carnations. Shipments made direct from Greenhouses or Store.

POEHLMANN BROS., Morton Grove, Cook County, Ill.

I NEED THE SPACE! You Need the Stock.

AMERICAN BEAUTY PLANTS, Extra | **METEOR PLANTS, from 2½-in. pots,**
Fine, from 2½-in. pots, special low price | none better, \$15.00 per 1000.
to clean out, \$30.00 per 1000.

Sample of stock sent upon application. These are exceptionally low prices considering the fine grade of stock. If stock is not as represented, money cheerfully refunded upon return of stock.

J. A. BUDLONG,
37 Randolph Street, CHICAGO.

Please mention the American Florist when writing.

NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.

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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.

Fine Rose Plants

BRIDE and BRIDESMAID

3½-in. pots, ready to plant.
Must be sold at once.

The Cleveland Cut Flower Co.
52 & 54 High St., CLEVELAND, O.

Per hundred, \$4.50
Per thousand, \$40.00
CASH WITH ORDER.

Carnations

Cottage Garden Winners at the Detroit Exhibition.

NOW READY AT \$12.00 per 100;
\$100.00 per 1000.

ETHEL WARD:

1st Prize, Class A. Best Pink; Scott shade. As fragrant as Albertina; does not burst. As free as Harry Fenn.

JUDGE HINSDALE:

1st Prize, Class A. Best Variegated. Grand 3½-in. flower on 30-in. stem. Beats all other variegated sorts.

THE PRESIDENT:

1st Prize, Class A. Best Crimson. Grand 3-in. bloom on 24 to 28-in. stem. Sells better than any other crimson. The best keeper and shipper of all the crimsons. These flowers traveled 1000 miles and kept in good condition throughout the entire two days.

For full particulars and descriptions send for our Carnation Catalogue.

The COTTAGE GARDENS CO., Inc.,

C. W. Ward, Manager. QUEENS, L. I.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100
Mrs. M. A. Patten, fine variegated.....	\$3.00	\$12.00
Crusader, scarlet.....	2.00	10.00
Reliance, white.....	2.00	10.00
—50 at 100 rate.—		

	Per 100	1000
Harlowarden, best crimson.....	\$5.00	\$40.00
Governor Lowndes, finest white.....	6.00	50.00
Genevieve Lord.....	2.50	20.00
Mrs. E. A. Nelson.....	3.00	30.00
Norway.....	2.50	20.00

	Per 100	1000
Prosperity.....	\$3.00	\$25.00
Sibyl.....	4.00	30.00
Lillian Pond.....	4.00	35.00

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

Loomis Floral Co., CARNATIONS,

Loomis, Cal.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

The....
American Florist

IS PAID FOR CIRCULATED AND READ.

PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

	Cuttings per 100	Cuttings per 1000	2-in. pot pnts 100
WHITE.			
Timothy Eaton.....	\$2.00	\$15.00	\$3.00
Chadwick.....	2.00	15.00	3.00
White Bonaffon.....	1.50	12.50	2.00
Wanamaker.....	1.50	12.50	2.00
Geo. S. Kalb.....	1.50	12.50	2.00
Estelle.....	1.50	12.50	2.00
Robinson.....	1.50	12.50	2.00
Ivory.....	1.50	12.50	2.00
Merry Xmas.....	1.50	12.50	2.00
Polly Rogers.....	1.50	12.50	2.00
White Mayflower.....	1.50	12.50	2.00
YELLOW			
Golden Wedding.....	1.50	12.50	2.00
Golden Beauty.....	1.50	12.50	2.00
October Sunshine.....	1.50	12.50	2.00
YELLOW.			
Col. Appleton.....	1.50	12.50	2.00
Major Bonaffon.....	1.50	12.50	2.00
Yellow Mayflower.....	1.50	12.50	2.00
Omega.....	1.50	12.50	2.00
PINK.			
Wm. Duckham.....	25.00		
Mrs. Murdoch.....	1.50	12.50	2.00
Vivian-Morel.....	1.50	12.50	2.00
Mme. Perrin.....	1.50	12.50	2.00
Pacific.....	1.50	12.50	2.00
M. Newell.....	1.50	12.50	2.00
Richardson.....	1.50	12.50	2.00
Lavender Queen.....	1.50	12.50	2.00
J. K. Shaw.....	1.50	12.50	2.00
RED.			
Oakland.....	1.50	12.50	2.00

ROSE PLANTS.

	Per 100	1000
In 2½-inch pots.		
Bride.....	\$3.00	\$25.00
Bridesmaid.....	3.00	25.00
Ivory.....	3.00	25.00
Golden Gate.....	3.00	25.00
In 2½-inch pots.		
Meteor.....	3.00	25.00
Kaiserin.....	4.00	35.00
Liberty.....	5.00	40.00

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

THE BEAUTIFUL NEW ROSE.

La DETROIT.

—STRONG, 3-INCH, \$25.00 PER 100.—

DON'T DELAY IN PLACING YOUR ORDER FOR THE MOST WONDERFUL CARNATION OF THE AGE

"FIANCEE"

To be disseminated January 1905. You will want it. Get it early. \$12.00 per 100; \$100.00 per 1000. For larger quantities write us.

CHICAGO CARNATION CO., Jas. Hartshorne, Mgr. Joliet, Ill.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, METEOR, ETC., ETC.

—WRITE FOR PRICES—

JOHN N. MAY, Summit, New Jersey.

Please mention the American Florist when writing.

Durham, N. H.

One of the most enjoyable social functions of the season at the New Hampshire state college was the reception given last week by the head of the horticultural department, Prof. Frank William Rane, and assistant horticulturist Harry F. Hall, in observance of the completion and opening for routine work of the newly erected range of greenhouses. A large number of friends of the college was invited to inspect the new houses, also the spacious quarters of the department on the second floor of Morrill hall, the handsome new agricultural building. Among the prominent guests were Prof. L. H. Bailey, dean of the agricultural college of Cornell university, and W. W. Rawson, the noted seedsman of Arlington, Mass.

After the reception the company made a tour of the horticultural rooms and lastly the greenhouses, which looked enchanting in the glare of many incandescent lights. The decorations of Morrill hall were elaborate and beautiful. A floral welcome hung over the main corridor. Festoons of running pine, palms, carnations and geraniums entered into the decorations. An elaborate spread of various kinds of fruits was served in the pomological laboratory, after which the guests assembled in the lecture room and listened to the distinguished visitors and the hosts. During the evening an orchestra played and dancing, pingpong and other games were enjoyed by the guests.

The new range of greenhouses which was constructed at a cost of \$7,000, appropriated by the last legislature, was first occupied by the department of horticulture near the close of the winter term, and is now in complete running order. The greenhouses are planned for experiment work, and each house contains sufficient piping to grow plants at either high or low temperature. The range is composed of a palm house, 25x55, and 18 feet high at the peak, four wings, each 20x37½x12, connecting with the palm house, and two houses connected with the passageway between the palm house and the potting house at the rear. These are 20x47½x12. The potting house is 20x30 feet dimension. In the basement are the boilers. The main floor is also utilized as an office and weighing room. The greenhouses have iron frames, cement walks and incandescent electric lights.

An important section of the range is the floricultural laboratory, which is designed to accommodate a large class of students. Each student has bench-room assigned to him and here carries on his practical work in floriculture, such as mixing soils, making cuttings, watering, transplanting, germinating seeds, etc.

Prof. Rane is assisted in the work of the department by Harry F. Hall, the assistant horticulturist. The new superintendent of the greenhouse is Martin J. Carney, formerly head gardener for Gen. Chas. H. Taylor, of Boston.

Advertising Gets Results.

AM. FLORIST Co.—It gives us pleasure to say that each year we have traced business resulting from our advertisement in the AMERICAN FLORIST, this being our second year advertising in your paper. Our contract for the year with you ends soon and we expect to renew the same for another year.

ALBANY STEAM TRAP COMPANY,
mes H. Blessing, Sec'y.

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. **BOSTON FERNS**, 2¼-inch, \$3.50 per 100; 3-inch, \$3.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS**, 2¼-inch, \$8.00 per 100; 5-inch, 50c. **ASPARAGUS PLUMOSUS**, 2¼-inch, extra fine, \$3.50. **CANNAS**, F. Vaughan, J. C. Vaughan and Burbank, \$1.50 per 100; \$12.00 per 1000. **COLEUS**, 15 varieties, \$2.00 per 100. **ALTERNANTHERA**, Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

Cash Please.

A. J. BALDWIN, Newark. O.

TRUE Asparagus Plumosus Nanus...

Plants from flats, \$15.00 per 1000.
Express paid.

100,000 Calla Bulbs

Write for prices, giving sizes wanted.

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LOOMIS, CAL.

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"Those Double Fringed Ones" Sell at sight. Six distinct varieties, labeled. Strong plants in bud from 2½-inch pots, \$2.00 per 100; \$18.00 per 1000

GERANIUMS, Jean Viaud, Mrs. E. G. Hill, strong, 2¼-in., \$2.00 per 100.

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Orchids!

Arrived in **PERFECT** condition, Cattleya Mossia, C. labiata, Lælia crispa, Oncidium varicosum, Rogersii, O. Papilio, O. crispum, Lælia anceps, Cattleya Trianae and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

25,000 Eaton, Appleton, Ivory, Maud Dean, Bonnafton, Mrs. Murdock, Mrs. Coombes, Jones and many more kinds from 2¼-inch pots, \$2.25 per 100. 300 our selection, all good ones, for \$5.00 cash. Come and see our stock. Largest lot in the state. Greenhouses at East Sudbury Station (no walking), or write us a list of kinds wanted and we will make price by return mail.

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Ask for Special Price List on

BAY TREES.

PYRAMIDS: 3 to 14 feet. STANDARDS:
high, 24 to 66-inch head.

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IF YOU ARE SHORT

Of anything in Miscellaneous Stock,
Write

Geo. A. Kuhl, PEKIN, ILLINOIS.

Geraniums.

The best proposition ever offered.
Send for it to day.

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Pers. Spl. Giganteum. Finest strain in the world in four true colors (separate) twice transplanted from flats, \$3.00 per 100; \$25.00 per 1000. Extra fine plants from 2¼-inch pots, \$5.00 per 100; \$45.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

ELI CROSS, Grand Rapids, Mich.

VIOLETS.

I make a specialty of violets. Grow them in cold frames. My stock is perfectly healthy. Marie Louise and Swanley White. Write for my low prices on strong plants. Will exchange some for choice hardy roses and carnations.

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Coleus VERSCHAFFELTII GOLDEN BEDDER FIREBRAND

2¼-inch pots, \$2.50 per 100; \$20.00 per 1000.

ROOTED CUTTINGS, 75c per 100; \$6.00 per 1000.

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BARGAIN.

Geraniums, Double Grant, Nutt and Poitevine in bud and part in bloom; French Canoas, mixed; all strong, 4-in., \$4.00 per 100. Mme. Sallerio Geraniums, Althernanthera, red and yellow, Lobelia, Ageratum, Begonia Vernon, in bloom, Coleus, G. Bedder, C. Verschaffeltii and fancy mixed, strong, 2¼-in., \$1.50 per 100. Salvia Splendens and Bonfire, Mme. Sallerio Geraniums, Begonia Vernon, blooming, strong, 3-in., \$2.50 per 100. Dracæna Indivisa, strong, 5-in., \$1.75 per doz. Cash please. WM. S. HERZOG, Morris Plains, N. J.

50,000 Alternantheras RED and YELLOW.
Rooted Cuttings 50c per 100; \$4.00 per 1000;
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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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41 Wellington St., Covent Garden, London, England.

Chrysanthemums.

Fine young plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000. Ready for immediate delivery.

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SMILAX SEEDLINGS STRONG.

25c per 100 prepaid; \$1.50 per 1000 by express.

MOONVINES, blue, strong, 2-inch, 2c.
ALTERNANTHERAS, yellow, 2-inch, \$1.25 per 100; \$10.00 per 1000.

SALVIA, Silver Spot, \$1.25 per 100; \$10.00 per 1000.

Coleus, Golden Bedder and Verschaffeltii, 2-inch, \$1.50 per 100; \$12.50 per 1000. 250 at 1000 rates.

Coleus, 10 best bedders, extra strong, 50c per 100, prepaid; \$4.00 per 1000 by express.

SALVIA, Silver Spot, Splendens, Bonfire, 90c per 100, prepaid; \$7.50 per 1000, by express.

CHRYSANTHEMUMS, 10 best standards, \$1.00 per 100. Prepaid for 10c extra. CASH.

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NEW PINK CHRYSANTHEMUM

AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3/4 to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

G. F. NEIPP, Aqueduct, L. I., N. Y.
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CHRYSANTHEMUMS.

STRONG, COOL CROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonnaffon, White Bonnaffon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2 1/4-inch pots, \$2.00 per 100. Special price by the 1000.

COLEUS, Golden Bedder, Verschaffeltii and fancy mixed, 2 1/4-inch, \$1.75 per 100; \$17.00 per 1000. Rooted cuttings, 75c per 100.

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SO. SUDBURY, MASS.

CHRYSANTHEMUMS

Bonnaffon, Ivory, Maud Dean, Mrs. Weeks, 2 1/4-inch pots, \$2.25 per 100. Rooted Cuttings, \$1.50 per 100.
FUCHSIAS, 2 1/4-in. pots, \$3.00 per 100.

A. D. MONTGOMERY, Hazleton, Pa.

It is good business policy to mention the

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Dracæna Terminalis, 5-inch \$3.00 per dozen.

Latania Borbonica. We have a large stock and can ship perfect plants. 5-inch, 14-16 inches high, 4-6 leaves, \$5.00 per doz.; \$37.50 per 100, 6-inch, 16-18 inches high, 5-6 leaves, \$7.00 per doz.; \$50.00 per 100. 7-in. 16-20 ins., high, 7-8 leaves, \$1.00 each; \$12.00 per doz.

Asparagus Plumosus, 2-inch, \$3.00 per 100.

Asparagus Sprengeri, Strong, healthy stock, 2-inch, \$3.00 per 100; 3-inch, \$6.00 per 100; 4-inch, \$1.50 per doz.; \$12.00 per 100.

Fine stock. An assortment of 2-inch **FERNS** for fern dishes, \$3.00 per 100; \$25.00 per 1000.

Send a postal for complete price list of all **PALMS** and **FERNS**.

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GERANIUMS | Coleus

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| 10 var., 2 1/4-inch pots..... | \$3.00 | Per 100 | 10 varieties, 2-inch pots..... | \$2.00 | Per 100 |
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VINCA VARIEGATA.

4-inch, good stock, at \$8.00 per 100.
This is stock of Extra Quality and Value. Get your orders in at once.

C. C. POLLWORTH CO., Milwaukee, Wis.

BEDDING PLANTS.

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| Ageratum , Gurney, Queen Victoria, 2-inch.. | \$2.00 | Per 100 |
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| Asters , transplanted, Simple in colors, \$8.00 per 1000. | | |
| Begonia Vernon, transplanted from flats, \$1.00 per 100; 2-inch, in bloom..... | 3.00 | |
| Cannas , in variety, strong 3-inch..... | 6.00 | |
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| Ivy Leaved , mixed, 4-inch, \$10.00; 3-inch..... | 6.00 | |
| Fuchsias , very strong, 3-inch, \$5.00; 2-inch..... | 2.50 | |
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| Hansysuckle , Golden climbing for window boxes, 3-inch..... | 10.00 | |
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| Lemon Verbenas , fine 3-inch..... | 6.00 | |
| Lobelia Compacta, Speciosa and Bedding Queen, 2-in., \$2.00; strong, bushy from flats 1.00 | | |
| Myrtle , Creeping, hardy, strong, 2-inch..... | 2.00 | |
| Phlox , Drummondii, 2-inch, \$2.00; from flats 1.00 | | |
| Hardy mixed, good new, 2-inch..... | 5.00 | |
| Pelunia , double, strong, 2-inch..... | 2.50 | |
| Verbenas , 5,000 in color, 2-inch, \$2.00; from flats, transplanted..... | 1.00 | |
| Vincas , very strong, 4-inch, \$12.50; 3-inch, \$8.00; 2-inch, \$2.50; small 2-inch, \$2.00. | | |

Cash with order. Satisfaction guaranteed.

LUDVIG MOSBAEK, So. Chicago and Onarga, Ill.

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SPECIALTIES

ROSES, from 3-inch pots, **In Best**
CARNATIONS, for all delivery, **Varieties**
CHRYSANTHEMUMS,
SMILAX, **VIOLETS**.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing.

Giant Cyclamen. My own strain. The best that can be raised.

Once transplanted, \$2.00 per 100; \$18.00 per 1000. 3 inch, \$3.00 per 100. **Sprengeri**, from flats, 75c per 100; \$6.00 per 1000; 3-inch, \$4.00 per 100. **Hardy English Ivy**, very strong 4-inch, \$12.00 per 100. **Cannas**, 4-in., Kate Gray, Pennsylvania, Allemania, McKinley, Crozy, Florence Vaughan and others, \$6.00 per 100. **Caladium**, 5-in., \$12.00 per 100. **Geraniums**, 4-in., best standard, \$8.00 per 100.

C. WINTERICH, Dellance, O.

Please mention the American Florist when writing.

A PROSPEROUS FLORIST

Ceranium, Mme. Thibaut, double pink, La Favorite, double white, S. A. Nutt, double crimson, out of 4-inch pots, \$7.00 per 100.

Ageratum, blue, 4-inch, \$6.00 per 100; 3-inch, \$5.00 per 100.

Begonia, Vernon and Erfordi, 4-inch, \$7.00 per 100.

Heliotropes, blue, 4-inch, \$6.00 per 100.

Roses, Hermosa and Hybrid 4-inch, \$10.00 per 100.

Hardy or English Ivies, 4-inch \$10.00 per 100; 3 inch, \$7.00 per 100; 2 1/4-inch, \$5.00 per 100.

Cobaea Scandens, 4-inch strong, \$6.00 per 100.

Begonia, tuberous rooted, 5 1/4-inch pots, in bloom and bud, \$2.50 per doz.

Pras. Carnot and other mixed varieties, very strong, 5 1/2-inch pots, \$2.00 per doz.

Hydrangea Otaksa, for out-door planting, 6-inch pots, \$3.00 per doz.

Small plants out of 2 1/4-inch pots, \$3.00 per 100 as follows:

Petunias (California Giant) an inimitable dwarf. Phlox Drummondii Giganteum. Verbenas, Sweet Alyssum (Little Gem), Lobelias, Tradescantia, Pyrethrums (Golden Feather), Dusty Miller, Lobelias and Coleus, Verschaffeltii, Golden Bedder.

—25 lots sold at 100 rates.—

Watch add for Araucarias, Palms and Ficus in about 3 weeks. Please send cash with orders. All goods travel at purchaser's risk. My best thanks to my customers for their liberal patronage at Easter.

Godfrey Aschmann,
Wholesale Grower and Importer of Pot Plants.

1012 Ontario St., Philadelphia, Pa.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE,

2 1/4-inch pots, \$15.00 per 100.

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

THOMAS ROLAND, Nahant, Mass.

Cannas 5,000 J. D. Eislis, the best red, slightly started, at \$3.00 per 100; \$25.00 per 1000. 3,000 Mlle Berat, the best pink canna, \$1.00 per 100; \$8.00 per 1000. Also strong 4-in. pots of the following varieties: Beaute Poitevine, David Harum, Egandale, Niagara, Sam Trelease, \$1.00 per dozen. J. D. Eislis, Mrs. Robt. McKeand, Capt. Drugeon. 75c per dozen.

W. W. COLES,
Maple Hill Rose Farms, KOKOMO, IND.

Providence, R. I.

Memorial week was characterized by fair weather, large receipts and satisfactory prices all around. On the other hand it is suspected that business was not as large as last year, although no one seems able to advance a satisfactory opinion as to the wherefore. The receipts of carnations and roses plainly showed evidences of holding back, which was almost impossible to do in this warm weather; towards the last, however, the growers sent in some very good stock. Carnations averaged from \$1.50 to \$3 per 100, and roses ranged from three to eight cents for ordinary uses. At retail carnations brought 50 cents per dozen as an average, and roses about \$1 for plain stock and \$1.50 to \$2 for fancy.

Worcester, Mass.

"Bigger than ever," was the answer of every florist in town to queries as to this year's Memorial day trade. There was an adequate supply of plants and flowers, with the exception of red and pink carnations. Eight, ten and twelve-inch pans of blooming plants sold in large quantities, and Crimson Ramblers, hydrangeas, spiraeas, etc., in pots cleaned up by Monday noon. There seems to be an increasing demand for blooming plants for grave decoration.

Considerable comment has been heard lately about a large wholesale establishment here, retailing flowers at cut rates, and trying to build up a wholesale trade in this city at the same time.

CHAMPAIGN, ILL. — Burt Tegar has taken a position at Ferdinanson's greenhouse.

LOOK HERE.

Azaleas, Areca Lutescens, Kentias, Crotons, Dracaenas, Pandanus Veitchii and Urtica, Rubbers, Genistas, Araucarias, Adiantum, Cocoses, Small Ferns for dishes.

All first-class stock at lowest wholesale prices. Cash with order or satisfactory references.

A. LEUTHY & CO., Perkins St., Rosindale, BOSTON, MASS.

Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS NANUS.

True Stock. Thrilly and well-grown plants. Seedlings from flats ready for potting, \$12.00 per 1000; \$1.50 per 100. 250 at 1000 rate.

Field-grown, for 3-in., \$5.00 per 100; \$4.00 per 1000 " for 4½-in., 8.00 per 100; 70.00 per 1000

Send the cash along and we prepay the freight.

YALAH Conservatories, Yalaha, Lake Co., Fla.

Please mention the American Florist when writing.

GOOD FERNS.

BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$45.00.

PIERSONI FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.

Keap Street Greenhouses.

Please mention the American Florist when writing.

PIERSONI FERNS.

Fine 1-year-old plants from bench, 50c each; \$5.00 per dozen. Strong, well rooted runners, \$5.00 per 100; \$10.00 per 1000.

Well established Per 100 Per 1000

2-inch \$6.00 \$50.00

2½-inch 7.00

3-inch 10.00

4-inch 20.00

A. C. CANFIELD, Springfield, Ill.

We Will Buy

What have you to offer in Boston Ferns, Palms, Etc.?

Address GEO. WITTBOLD COMPANY, 1657 Buckingham Place, CHICAGO, ILL.

Asparagus.

PLUMOSUS NANUS.....	Per 100	Per 1000
PLUMOSUS ROBUSTUS.....	5.00	\$25.00
DECUMBENS.....	3.00	
SPRENGERI.....	2.00	15.00

SMILAX.

Well-grown and properly packed.. 1.50 12.50
Special prices on lots of 10,000 or over.

We use a light friable soil that can be shaken off without injury. If you wish to save express charges state when ordering "without soil." Samples mailed for 5c per plant.

ALBERT M. HERR, LANCASTER, PA.

Please mention the American Florist when writing.

Boston Ferns

2¼-in. 3c; \$30.00 per 1000. 3½-in. 7c; \$70.00 per 1000.

Piersoni 3¼-in., 10c; \$100 per 1000. 5-in., 25c; \$25 per 100. 6-in., 35c; \$35 per 100.

Cash with order, please.

H. H. Barrows & Son, Whitman, Mass.

Please mention the American Florist when writing.

Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100. In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100.

Asp. Sprengeri, 4-inch, \$8.00 per 100. Dracaena indivisa, 3-inch, strong, \$8.00 per 100.

Kentias, Ficus, Coleus, R. C., red, yellow and black, \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000; 60c per 100.

100,000 bedding plants in Geraniums, Heliotropes, Fuchsias, Lantanas, Ageratums, Single and Double Petunias, Asters, Coleus, Lemon Verbenas, Dracaenas, Vincas, German Ivy, Lobelia, Alternantheras, red and yellow, etc.

Prices on application.

L. H. FOSTER, 145 King St., Dorchester, Mass.

Boston Ferns.

Prices—2¼-in., \$4.00; 3-in., \$8.00; 4-in., \$15.00; 5-in., \$25.00 per 100; 6-in., 40c; 7-in., 60c; 8-in., 75c each.

Piersoni Ferns

2¼-in., \$8.00 per 100; 4-in., 35c; 5-in., 50c each. Strong young plants from the bench, at \$4.00 per 100; \$30.00 per 1000.

ALTERNANTHERAS, red and yellow, strong rooted cuttings, 50c per 100; \$4.00 per 1000. Special price on large quantities.

DAVIS BROS., Morrison, Ill., and Geneva, Ill.

JOSEPH HEACOCK,

WYNCOTE, PA.

Areca Lutescens

Kentia Belmoreana

Kentia Forsteriana

GROWER OF

For our prices see page 551, Nov. 7th issue

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIA PALMS, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard. Mrs. E. G. Hill, Mme. Sallerol, Poitevine, \$2.50 per 100. 3-inch, \$5.00 per 100.

GLADIOLUS BULBS, fine mixture, \$1.00 per 100.

2¼-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow. Single and Double PETUNIA, HELIOTROPE, Golden Gate and Bridesmaid ROSES, DRACAENA INDIVISA, VERBENA, LEMON VERBENA, \$2.00 per 100.

VINCA VAR., 2-inch, \$2.00; 3-inch, \$4.00 per 100.

ABUTILON SAVITZII, 3-inch, \$5.00 per 100.

CANNAS, Black Beauty, Red, Yellow, and Variegated, 3-inch, \$4.00 per 100.

CASH OR C. O. D.

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

BOSTON FERNS

—A1 POT CROWN.—

6-inch each, 40c

5-inch each, 25c

4-inch each, 15c

3½-inch each, 12½c

3-inch each, 8c

PIERSONI FERNS.

6-inch each, 50c

3½-inch each, 15c

GERANIUMS.

4-inch, \$8.00 per 100; 3½-inch, \$6.50; 3-inch, \$5; 2½-inch, \$3.50 in the following varieties: Red, S. A. Nutt, Pasteur, Le Soliel and Trego. White, La Favorite and Mme. Carnot, Pink, Jean Vaud. Salmon, E. G. Hill. Write for discounts on 100 lots.

The Cation Greenhouse Co.

1101-03 Fifth Ave., PEORIA, ILL.

Cheap Palms and Asparagus.

Per 100

Laflania Bor., 2-in. pot, seed leaves.. 3.00

" " 8-in. pot, 15-18 in., 2-3 chr. lvs. 12.00

" " 5-in. pot, 18-20 in., 3-4 chr. lvs. 15.00

" " 5-in. pot, 20-24 in., 4 chr. lvs. 20.00

Kentia Bel., 2¼-in. pot, 8-10 in., 2-3 leaves.. 12.00

" " 2¼-in. pot, 15-18 in., 3-4 leaves.. 15.00

" " 3 -in. pot, 15-18 in., 4-5 leaves.. 18.00

" " 3 -in. pot, 18-24 in., 5-6 leaves.. 20.00

Asparagus Sprengeri, 2-inch..... \$2.00

Asparagus Plumosus, from flats..... 1.75

" " 2-inch..... 2.50

Sherman Nursery Co., CHARLES CITY, IOWA.

PIERSON FERNS VERY TRUE STOCK.

Strong 2¼-inch stock..... \$ 8.00 per 100

Strong 3-inch stock..... 10.00 per 100

Strong rooted runners..... 5.00 per 100

Cash with order. Satisfaction guaranteed.

BAUR FLORAL CO., Erie, Pa.

A Little Thing to Print but a Big Thing to Know

That a Better Grade, Newer Styles, and More Varied Assortment of all lines of Florists' Supplies for Graduation Day, Wedding Decorations and all Occasions requiring Floral Work can be had and are supplied promptly at lower prices than elsewhere on this continent by

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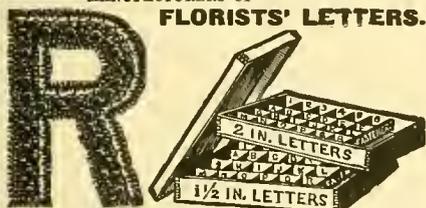
50-56 N. Fourth St., PHILADELPHIA, PA.

—TRY A SMALL ORDER ON ANY LINE AND YOU WILL BE CONVINCED.—

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, 1 1/2 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.

M. RICE & CO.,

Importers and Manufacturers,

Leading Florists' Supply House and Ribbon Specialists.

918 Filbert Street, Philadelphia, Pa.

FLORIST Plain, Violet, Rose FOIL

MADE BY

The John J. Croke Co.

155 Ave. D, NEW YORK. 149 Fulton St., CHICAGO.

LIGHTNING FLOWER POT WASHER. Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong Plants are only grown in Clean Pots. Send for description. Sold direct \$15.00 net F. O. B. Joliet.

C. E. FINLEY Joliet, Ill.

NEW ORLEANS, LA.—Paul Abele, of Abele Brothers, florists, has started on a European trip.

The Gardeners' Directory...

A BRAND NEW BOOK.



PRACTICAL
CONVENIENT
COMPLETE
INVALUABLE
THOUSANDS
OF
NAMES
AND
ADDRESSES.



THIS book contains complete lists of **Gardeners and Estates Employing Gardeners** in the United States and Canada, arranged for ready reference by states and post-offices. The gardeners are also arranged alphabetically. The book contains a reliable list conveniently indexed, of the leading **Horticultural and Kindred Societies**, with the names and addresses of the Secretaries. **Price \$5.00 postpaid.**

AMERICAN FLORIST COMPANY,

324 Dearborn St., CHICAGO.

Newport, R. I.

On account of Decoration day bedding plants were in good demand all last week, geraniums being most popular with the average buyer. Cut flowers sold very well and there was no surplus in any line. The sales were somewhat hurt by the large quantities of wild flowers and lilacs. Although May 30 is a legal holiday the seed stores have the bad habit of keeping open for business until noon, which spoils the holiday for both employer and the employed. Especially was this felt a great hardship this year, as otherwise a short vacation out of town would have been enjoyed by many from Saturday until Tuesday. As it was the opening Monday morning spoiled all plans. It is a senseless custom. The weather has been warmer the last week and everything is now growing nicely; a few showers have kept the ground in good condition and as a whole the season is well started.

Alfred G. Vanderbilt is having a new entrance made to the Slocum farm, his lately acquired property. Until now it has been quite a long distance down Sandy Point avenue. He preferred to have it directly opposite the entrance of his home place (Oakland farm), but to save a large and handsome maple tree it has been placed a little to one side. The gate posts are round and large, built of stone, and new walls are being set. The adjoining estate, belonging to H. A. C. Taylor, has also had round stone gate posts built. Great care has been taken in handling the stones, that may appear old, all the moss having been left upon them to give them that look. The walls have been curved at the entrance to give the driveway a better effect, and on both sides of the drive, from the road to the Taylor mansion, young linden trees have been put out to make the way ornamental as well as shady. V. A. Vanicek, of the Rhode Island Nurseries, furnished the trees and also six car loads of hardy rhododendrons for Mr. Vanderbilt's Oakland farm.

Several gardeners are doing a paying business taking care of the yards and grounds of the smaller places where no help is regularly employed. The charge by the day is \$2.50, all tools being furnished. The price for a season's care is from \$10 to \$50, according to the size of the place and work required.

Leikens opened his new store in Downing's block on Bellevue avenue on Thursday last. Mr. Leikens represents Bobbink & Atkins, of Rutherford, N. J., and will do some landscape work as well as his regular florist's business. He was formerly with Siebrecht & Son here.

There seems to be a lift in the freight embargo so far as Newport is concerned. More freight is arriving by boat from New York than since the strike began. It is hoped the worst is over and that conditions will in a few days be normal again.

Hitchings & Company, of New York, will build a greenhouse at Sandy Point Farm for Reginald C. Vanderbilt. This will be the first glass at Mr. Vanderbilt's, but it will not be long before there will be many houses on this splendid place.

The season for currant worms has arrived and they are thicker than for some years, as the sales of exterminators seem to testify. Rose bugs are also on the way, and we shall soon have our annual visit from the potato bug.

It is understood that F. M. Smythe, of Wadley & Smythe, the New York and Newport florists, has purchased Mr. Wadley's interest in the business and

will hereafter conduct the establishment himself.

During the week Mr. Macomber has been here for the Walter A. Wood Mowing Machine Company; Mr. Case for the Pratt Food Company, and Mr. Sawyer for Bowker Insecticide Company.

The city council committee has advertised for sealed proposals for furnishing the plants and bulbs and the general care for one year of the Jews cemetery, Bellevue avenue and Kay street.

Miss Emily Isabel Wadley, only daughter of Albert Wadley, of Wadley & Smythe, was married last week to Arthur Trumbull Goodenough, of Bristol, Conn.

A sunken garden is being arranged for E. C. Knight, Jr., at the lower end of Bellevue avenue. X.

Tacoma, Wash.

The Tacoma Floral Company will build at once a range of new houses, starting with about 5,000 square feet of glass, and expects to conduct a general floral business and will also handle seeds. The members of the company are J. H. Wall, F. E. Beal and S. L. Harper, the last named having charge as manager. The business will be located at North Twenty-sixth and Proctor streets and will, for the present, consist of three houses.

MT. VERNON, IA.—Chas. Meeks and Neff & Company have gone into partnership in the cut flower business, Mr. Meeks furnishing the flowers and Neff & Company managing the business.



PURE SHEEP MANURE

Dried, Unpulverized and Pulverized.

—WRITE FOR PRICES.—

MONTANA FERTILIZER CO., Elgin, Ill.
Please mention the American Florist when writing.

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For Sale by all Wholesale Houses.

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12 Hawley Place, Boston, Mass.

GREEN SILKALINE.

Do not be put off with cheap substitutes.

John C. Meyer & Co.,
80 Kingston St., BOSTON, MASS.

A. HERRMANN,

Cape Flowers, all colors,
Cycas Leaves, Metal Designs,
and All Florists' Supplies.

Send for Prices.

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Plain, Fancy, Printed & Mounted.

Manufactured by

The Conley Foil Co.

531 to 541 West 25th St.,

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CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No. 0.	3x 4x20	.....	\$2.00	\$19.00
" 1.	3x 4½x16	.....	1.90	17.50
" 2.	3x 6x18	.....	2.00	19.00
" 3.	4x 8x18	.....	2.50	23.00
" 4.	3x 5x24	.....	2.75	26.00
" 5.	4x 8x22	.....	3.00	28.50
" 6.	4x 8x28	.....	3.75	36.00
" 7.	6x16x20	.....	5.50	54.00
" 8.	3x 7x21	.....	3.00	28.50
" 9.	5x10x35	.....	6.50	62.00
" 10.	7x20x20	.....	9.50	87.50
" 11.	3½x5x30	.....	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
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Write To-Day for Description and Prices on Our

Metal Porch and Window Boxes.

WARREN SHEET METAL COMPANY,
Warren, Ohio.

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Fumigating Kind Tobacco Powder
KILLS ALL APHIS IN ONE NIGHT
in a house 100x25 ft., at a cost of 10c. A 5 lb. trial pkg. will cost nothing if you will pay the express charges on it. Our booklet tells of it. Write Legt. C. Forit.
The H. A. STOOFFHOFF COMPANY
116, 117, 118 West St., N. Y. City

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Importer and Manufacturer of
FLORISTS' SUPPLIES

All new Fall Goods in now. Ask to see the latest, Embossed and Pleated Crepe Paper.
108 W. 28th Street, NEW YORK.

Wired Toothpicks

10,000, \$1.50; 50,000, \$8.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample Free. For sale by dealers.

ESTABLISHED 1866 EMIL STEFFENS SUCC^{TO} R. STEFFENS AND STEFFENS BROS.
MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

Omaha.

Business has been good all spring, although the weather has been against us. Bedding plants sold better than ever and most all of the florists are entirely sold out. Decoration business has been good and stock has been plentiful except peonies. Carnations take the lead in cut flowers and lilies and potted hydrangeas sold well.

There is some building going on this season. H. Slocomb, the successful violet grower, will erect two houses 30x250 feet for violets. Hess & Swoboda are finishing one house 24x200 feet for roses. E. Hooze will erect two houses and an office. L. Henderson will erect one or two houses. P. H. Floth intends to erect one or two houses.

W. J. Hesser, of Plattsmouth, Neb., sold his entire stock of palms, ferns, etc., at one of our department stores (10,000 plants) in less than three days. The public bought them up like hot cakes for from 1 cent to 25 cents each regardless of the poor quality of the stock. Mr. Hesser left for California, where he will make his future home.

King's park had a bad fire a week ago. Much damage to the beautiful trees was wrought.

H. Peterson, of Florence, Neb., has given up his store down town.

We are having lots of rain and, strange to say, no hail so far. GRIPPE.

Best Value in the United States.

AM. FLORIST Co.—You are advertising a book giving full information about the life and care of the chrysanthemum. Send me one copy. If it has as much information for the money as you give in the AMERICAN FLORIST, it will be the best value in the United States.

FRED L. CRAIG.

Iron Reservoir Vases



AND
Lawn Settees,
Manufactured by
McDONALD BROS.,

COLUMBUS, O.
The largest manufacturers of these goods in America. Send for catalogue.



"Eureka" Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

Vaughan's Seed Store,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

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Work Every Day.**

Standard Flower Pots

The WHILLDIN POTTERY COMPANY,
PHILADELPHIA, PA. JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.
Travelling Representative, U. CUTLER RYERSON, 108 Third Ave., Newark, N. J.

Standard Flower... POTTS

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.
Please mention the American Florist when writing.



GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTTS.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

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THOSE RED POTTS

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTTS.
DETROIT FLOWER POT M'FY,
HARRY BALSLEY, DETROIT, MICH..
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SAMPLE POT AND PRICE LIST
ON APPLICATION.
C. C. POLLWORTH CO., MILWAUKEE, WIS.....

Over \$70,000

Has been paid by the FLORISTS' HAIL ASSOCIATION for glass broken by hail. For particulars address

JOHN G. ESLER, Sec'y, Saddle River, N. J.
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**THE Regan Printing House
Nursery Seed
Florists' CATALOGUES**

87-91 Plymouth Place, CHICAGO.
Please mention the American Florist when writing.

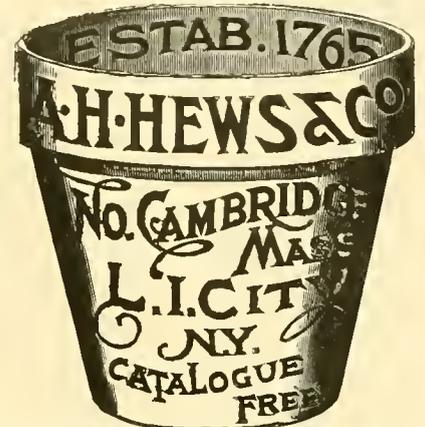
ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the "Horticultural Advertiser."

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.

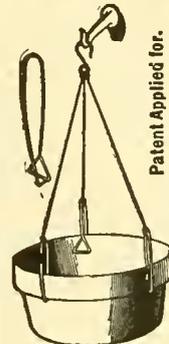
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AM. FLORIST, 324 DEARBORN ST., CHICAGO.



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THE neatest, simplest, most convenient and only practical ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

Vaughan's Seed Store, Chicago and New York.
E. F. Winterson Co., Chicago.
C. C. Pollworth Co., Milwaukee, Wis.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa.

STANDARD FLOWER POTTS!

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	60 8 "	3.00
1500 2 1/4 "	6.00	HAND MADE.	
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1000 3 "	5.00	48 10 "	4.80
800 3 1/4 "	5.80	24 11 "	3.80
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. Ten per cent off for cash with order. Address

WILFINGER BROS. POTTERY, Fort Edward, N. Y.
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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.

FLOWER POTTS ALL KINDS.

STANDARD POTTS SPECIALTY
List and SAMPLES FREE.

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P. O. Box 78. MINNEAPOLIS, MINN.

Louisville, Ky.

The last week has been fair, but had it not been for one or two amateur performances we would have been stocked to our capacity. Peonies are now in their glory but were rather hard to obtain the first part of the week. Carnations are plentiful, and roses are about equal to the demand. Ferns can now be had in quantity.

The bedding season from present indications promises to be the best we have had for a good while, although prices in Louisville are about the same in comparison as those in Baltimore for oysters. Four-inch stocky plants of geraniums, in bloom, picked out by the buyers, and planted, sell for \$1 per dozen, and then a rebate is asked for the empty pots. One report was circulated that heliotropes, stocky plants, could be purchased at 50 cents per dozen. A firm doing business this way can't expect much of an opinion from its associates. Next year all interested in the welfare of the business will raise prices on a good many things fifty per cent.

The regular monthly meeting of the Florists' Club will be held Tuesday night, June 7, at the establishment of Joseph Coenen & Company. All are requested to be present as convention matters will again come up. "The Rose" will be the topic at this meeting.

William Walker has been having some white sweet peas of exceptional quality. Mrs. Walker now has charge of the store, Miss Edith Walker having accepted a position with the Ray Company to take charge of the cut flower department.

Carnations are pretty well established by now, but are greatly needing a rain, there having been none here for a good while. However it has been cool and that probably prevented them from suffering to any extent.

At Schulz's are to be seen some excellent cyclamens and Lorraine begonias, which from present indications will surpass the record made by them last Easter.

Mrs. C. B. Thompson who has been very low for quite a while is slightly improved.

F. Walker & Company will probably occupy their new store June 1.

F. L. S.

Minneapolis, Minn.

Memorial week business was very unsettled. The forepart saw an over-supplied market, while the remaining days were full of orders and late buyers. Saturday witnessed some difficulty in securing stock. Carnations jumped from \$1.50 to \$2.50, to \$3 and \$4 per 100. Teas sold readily at from \$4 to \$8 per 100. Short and medium stemmed Beauty roses were in great demand and brought highest values. Bedding stock commenced Wednesday to move in lumps and growers found by Monday that they could have disposed of quantities more. The late season is the cause of this noticeable demand, there being no outside stock at all. The street fakirs in the flower line are very noticeable of late and retailers feel the effects of the low prices at which they dispose of their stock. Although the quality of blooms the Greek sells is poor the low price catches a great number of flower buyers.

Ralph Latham reports trade first class and is well pleased with his undertaking in business for himself.

R. Will is confined to the house with rheumatism. C. F. R.



The Johnston Glass Company
Hartford City, Ind.

MANUFACTURERS OF

Window Glass,

GROUND AND CHIPPED GLASS.

Long Distance Telephone.

Direct Western Union Wires.

Please mention the American Florist when writing.

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GREENHOUSE GLASS

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Window Glass, Paint, Putty, etc.

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FOR GLAZING GREENHOUSES

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TANK WINDOW GLASS.

Hot-House Glass a Specialty.

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H. M. HOOKER CO.

Window Glass, Paints and Putty,
Greenhouse Glass a Specialty.

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Holds Glass Firmly
See the Point of PEERLESS
Glazing Points are the best. In rights or lefts. Box of 1,000 points 35 cts. postpaid.
HENRY A. DEER,
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GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. Be sure and get our prices.

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There Are Buyers

For all kinds of good stock advertised in.....

THE AMERICAN FLORIST

Indianapolis.

Decoration day business was very good. Since hardly any outdoor flowers were available, greenhouse flowers, of which there was an immense supply, were pretty well cleaned up. While this hits the rose and carnation growers just right it does not please the man with the peony patch. Peonies will be out in about a week and very likely this city will have an oversupply of them. The two days preceding Decoration day were the most beautiful days we had this season. Memorial day, however, brought heavy rain and cold winds.

August Grande will add one house 10x100 feet. John Heidenreich will build a carnation house 25x100 feet. E. Huckriede & Son are booked for two houses 16x75 and a general renovation of their place. M. Nelson has one new house nearly completed.

Wm. Hack has put off building until next year, as all his ground is well occupied with outdoor stock, of which Mr. Hack makes a specialty. He is known in this vicinity as the boss grower of gladioli, asters and dahlias.

Henry Ricman is doing an immense business in hedging plants this season. He claims, however, that plant trade is not the best paying branch of his business.

Ed. Bertermann and family sailed for Europe June 4. Ed, with his unlimited capacity for enjoying things, is undoubtedly the happiest man in the trade.

John Bertermann has returned from a trip to St. Louis. J.

Albany, N. Y.

Local florists report a good business for Saturday preceding Memorial day, on the whole a little better than last year. In this section Memorial day was rainy and the sales were not so large on that account. A number of dinners and other social functions kept the trade well supplied with work this week. A small dinner of eighteen covers on Tuesday evening at the Ten Eyck furnished H. G. Eyres an order for a handsome centrepiece of Bridesmaid roses and corsage bouquets of cattleyas and lily of the valley.

H. G. Eyres left a week ago for a few days' trout fishing at Moose river in the Adirondack region.

W. N. Campbell, representing Vaughan's New York seed store, called on the local florists Tuesday.

Miss E. Hansen, of Catskill, was in Albany over Memorial day. R. D.

The American Florist Co.'s

TRADE DIRECTORY

HUNDREDS OF NEW NAMES AND ADDRESSES.

And contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Gardeners, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies and Horticultural Supply Concerns of the United States and Canada.

Price \$2.00 Prepaid.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

GREENHOUSE LUMBER

We Design Houses

To meet their cultural requirements, using only the very highest grade of **GULF CYPRESS** in their construction, the grower thus gets

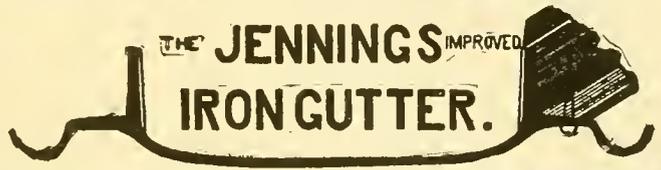
THE VERY BEST HOUSE

or Range, for his special purpose, and location. If you contemplate building, write us —PLANS AND ESTIMATES FREE.—

HOT-BED SASH, Cedar Posts, Bench Material, Etc., Etc.

LOCKLAND LUMBER CO.
LOCKLAND, O.

Use our Patent **IRON BENCH FITTINGS** and **Roof Supports.**



IMPROVED VAPORIZING PANS **VENTILATING APPARATUS.**

For Tobacco Extracts, Etc. Send for Circulars.

DILLER, CASKEY & CO., SUCCESSORS TO **JENNINGS BROS.,**
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

GULF CYPRESS GREENHOUSE MATERIAL

HOT-BED SASH, BOILERS, PIPES, FITTINGS, VENTILATING APPARATUS.

GLASS AT WHOLESALE.

We furnish everything for building. Send for prices and catalogues.

S. Jacobs & Sons, 1365-1373 Flushing Ave. **BROOKLYN, N. Y.**



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE **QUAKER CITY MACHINE WORKS**
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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**

PUMPS Rider-Erleson. Second-hand. From \$45.00 up; all repairs; other makes; new; cheap.

BOILERS 2 No. 16 Hitchings at \$45.00. 3 No. 17 Hitchings, \$55.00. 1 No. 19 Hitchings, \$65.00. 2 No. 3 Scollay, \$35.00 3 No. 5 Scollay, \$40.00. 1 Richardson steam, 1300 ft. steam, \$45.00. 1 500 ft. steam, \$35.00.

PIPE New 2-in. full lengths, with coupling, 9 1/4c. a foot. Good serviceable second-hand, 2-in., 6 1/4c; 1 1/2-in., 5 1/2c; 1 1/4-in., 3 3/4c; 1-in., 3c; 3/4-in., 2 1/4c. New and old fittings and valves.

STOCKS and DIES New Economy, best made, No. 1 Threads, 1/2-in., 3/4-in., 1-in. pipe, \$3.00. No. 2 threads, 1/4-in., 1 1/2-in., 2-in. pipe, \$4.00.

PIPE CUTTERS New Saunders Pattern, No. 1 cuts 1/2-in.—1-in. pipe, \$1.00. No. 2 cuts 1-in. and 2-in. pipe, \$1.30.

STILLSON WRENCHES New, 18-in., grips 1/2-in., grips 1/2-2 1/4-in. pipe, \$2.40; 36-in., grips 1/2-3 1/2-in. pipe, \$4.75.

PIPE VISES New, No. 1 Hinged, grips 1/2-2-in. pipe, \$2.25.

GARDEN HOSE New, 3/4-in., guaranteed 100-lbs. pressure, 7 1/2c per ft.; 1/2-in. not guaranteed, 4 1/2c per ft.

GLASS New. American Natural gas made, 50-ft. boxes. 16x24, double, \$3.31 per box; 16x18, 14x20 and 12x16 double, \$3.05 per box; 12x16, single, \$2.35 per box; 10x12 and 8x10, single, \$2.25 per box. Carload and import orders solicited.

HOTBED SASH New. Cypress, 3x6-ft., from 70c up; glazed, complete, from \$1.60 up.

TREE GUARDS 400, 5 ft. 6 in. high, 10-in. diam., \$1.50 each. Good as new.

Get our prices on New Cypress Building Material, Ventilating Apparatus, Oil, White Lead, Putty, Paint, Points, etc.

OLD GREENHOUSES BOUGHT. References: Bradstreet's, Dunn's or Broadway Bank of Brooklyn.

METROPOLITAN MATERIAL CO.,
1398-1408 Metropolitan Ave., **BROOKLYN, N. Y.**

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 Hunt E H.....784

International Flower Delivery.....788 789
 Jacobs S Sons.....806
 Johnston Glass Co.....806
 Kastig W F.....1
 Keller Geo & Son.....805
 Kennicott Bros Co.....789
 King Construction Co.....808
 Koepfen Chas.....800
 Kohr A F.....805
 Koral Mfg Co.....804
 Kramer I N & Son.....805
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 Langjahr A H.....787
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 Randall A L Co.....785
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Whilldin Pot Co.....805
 Wietor Bros.....785 799
 Wills & Segar.....788
 Winandy M.....785
 Winterich C.....801
 Winterson E F Co.....789
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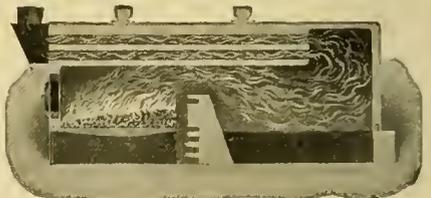
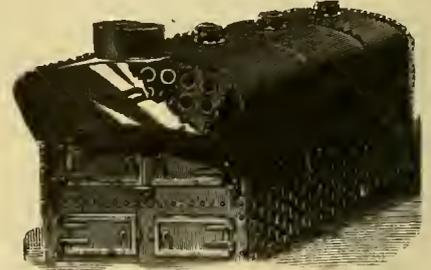
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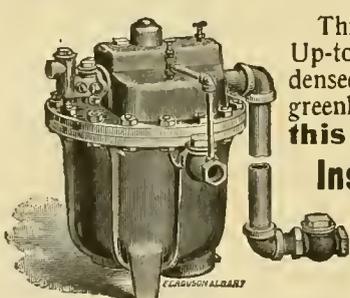
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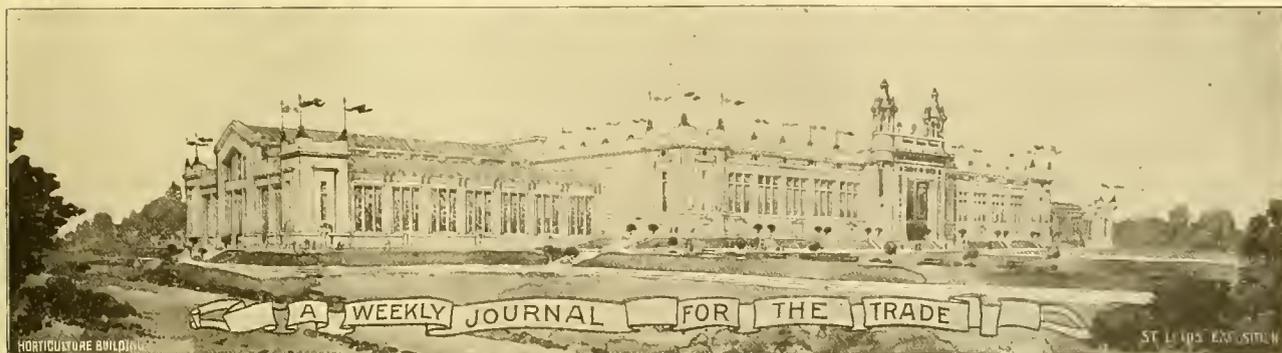
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THE AMERICAN FLORIST



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

Vol. XXII.

CHICAGO AND NEW YORK, JUNE 11, 1904.

No. 836.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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For World's Fair Visitors.

From the city take the Market street electric cars for the entrance nearest to the Horticulture building. The Union railroad station is located on Market and Eighteenth streets.

Get off at station 10 on the intermaral railroad for the Horticulture building. Other reasonably convenient stations are 7, 8 and 9.

Prof. L. R. Taft, who has charge of the judging in the horticultural classes, is now at his office in the Horticulture building.

Chief F. W. Taylor's office is at the south end of the Agriculture building, the end nearest the Horticulture building.

Superintendent Hadkinson's office is in the Horticulture building.

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CHRYSANTHEMUMS

ST. PAUL, MINN.—There will be no chrysanthemum exhibition this year, as there are several other things that might interfere with it, so the Women's Auxiliary has decided to postpone it for twelve months.

Housing the Young Plants.

The early and midseason varieties intended for bench culture for commercial cut blooms should be planted from now on as soon as the beds can be made ready to receive them, using the regulation bench of six inches deep, filled even full with a good live soil. This should be in the proportion of three parts soil to one part well rotted manure, making it as firm as is possible by treading it down so that when ready to plant the bench will be full to the top and the surface of the bed as even as it can be made. For the best results for this purpose the stock at planting time should be vigorous, healthy plants from 2 or 2½ inch pots. These can be planted 6x8 inches apart according to the number of rows of plants the width of the benches will allow, but I would not advise any closer planting than this with the object of squeezing in another row. If there is space left across the bench but not enough for another row without setting closer than the distance mentioned rather than crowd them any more give the plants the benefit of it by planting a little farther apart.

The most important consideration in growing chrysanthemums for commercial cut flowers is a careful selection of the most suitable varieties to meet the demands of the trade, also those that will return as nearly as possible 100 per cent of perfect blooms; also varieties of good keeping qualities and which are not easily damaged in handling or shipping. These are all vital points to bear in mind at this time to bring success later on. In growing for market in large centers it is not necessary to grow a large number of varieties, the demand being very limited for boxes of assorted varieties or colors. What the retailers in large cities usually want are good, clear, bright colors of good keeping qualities. Enough of the one kind or color to use in big decorations and a box of two or three dozen of one variety and color if in good condition will in most cases bring the best prices. The florist in small cities who grows for the local demand has so

many different whims and fancies to cater to that he is obliged to add a great deal more variety to his collection than just white, pink and yellow. It is also a good business advertisement for him to have some of the big monsters found among the odd colors as an attraction though they cannot be said to be of much value from a strictly commercial point of view.

The cuttings of the late varieties should be put in the sand now to make plants for planting the last of July. Give them a shady bench with clean, sharp sand. They will require abundance of water at this time of the year to prevent wilting, but if this is attended to they will root readily in a short while. Cuttings can also be put in from now on for single stem plants in pots or for growing into market plants in 6 or 7-inch pots. If one has a vacant bench in one of the houses and wishes to grow some market plants they can be planted in the benches now and kept pinched back to make good bushy plants, allowing room enough for the spread of the plant required. These will make fine stock by September, at which time they can be taken from the bench and potted into pots. There is considerable trouble saved in potting and watering by following this method, but particular attention must be paid to keep them properly pinched back or they will soon become spindly.

From June 15 to July 1 exhibition bush plants and standards should receive their final potting. The size of the pot must be governed to some extent by the specification of the premium list, but where there is no restriction I figure on a 12-inch pot being large enough for all purposes. At this potting these plants require a good, rich, porous soil with plenty of drainage to the pots. Pot as firm as possible, being particularly careful not to break the branches during the operation, as a branch broken now means several weeks' growth lost which is impossible to replace. Particular care must be taken after potting to make sure the plants are not overwatered before the roots have a chance to take hold of the fresh soil. Once in active growth again, keep pinching the growths back to insure a uniform and even specimen. The standard should have good sized heads by this time and the closer they are kept pinched back for a while the finer will be the plant next fall. The standards should also be properly supported with a good strong stake to prevent damage by syringing or otherwise.

C. W. JOHNSON.

Society of American Florists.

REVISED TRADE EXHIBITION RULES.

1. The society shall, through its executive board, control all features of the trade exhibition.
2. There shall be appointed annually at the winter meeting of the executive



The Late Lucius H. Foster.

(See obituary, page 820.)

board a superintendent of exhibits. The vice-president of the society, or the local organization in the place where the convention of the current year is to be held, shall be invited to recommend such superintendent for election by the executive board, as aforesaid. Said superintendent shall have general charge of all details of the annual exhibition. He shall receive all applications for space and assign the same in the order in which they are received by him. He shall provide and arrange all necessary tables and staging. He shall furnish the society, through the secretary thereof, a list of the exhibitors and exhibits by 1 p. m. on the day of opening the convention. He shall also furnish the secretary with a list of novelties and new devices submitted for awards, said list to be for the use of the judges. After the close of the convention he shall make full report of receipts and expenditures and other details of the exhibition, the same to be embodied in the annual report of the society.

3. Exhibition space shall be designated in square feet, at a maximum charge of 25 cents per foot for all space less than twelve feet; more than twelve and less than fifty feet, 21 cents; more than fifty and less than 100 feet, 19 cents; 100 feet or more, 18 cents, no entry to be accepted for less than \$2.

4. Wall space shall be measured four feet in height, and when practicable a table not less than one foot wide shall be added gratis, if desired and applied for with entry.

5. Exhibition classes to be arranged as follows: A—plants; B—cut blooms; C—boilers and heating apparatus; D—greenhouse appliances, including flower pots; E—florists' supplies, including fancy earthenware; F—bulbs and seeds; G—miscellaneous.

6. Exhibitors may group their goods together, excepting in the case of living plants and cut flowers. These shall be

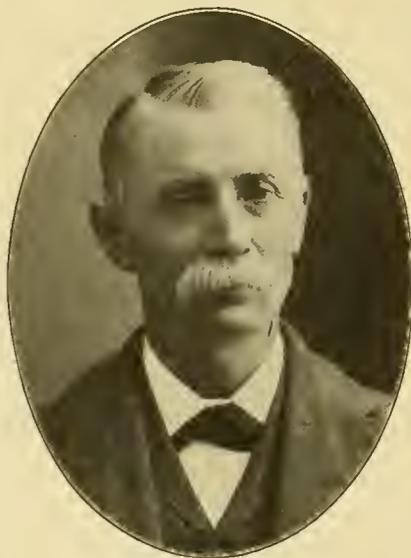
shown in a separate department from the other classes.

7. Exhibitors showing novelties or improved devices which they wish to have examined by the judges for such special notice or award as they may be deemed worthy of, shall make an itemized entry thereof with the superintendent in advance.

8. The president shall appoint, not less than one month in advance of the convention, three judges who shall receive for their services such remuneration as the executive board may determine. They shall examine specially entered exhibits and make detailed report thereon promptly to the secretary on the afternoon of the first day of the convention.

9. For exhibits deemed worthy thereof diplomas of the three grades may be given, as follows: Certificate of Merit, Honorable Mention, Highly Commended.

10. No distinction as "First," "Second," "Best," or "Largest," or other mention indicating comparisons with other exhibits shall be made, and diplomas of equal value may be awarded to several exhibits in the same class.



The Late August Schmitt.

(See obituary, page 821.)

11. Each award must be accompanied by a statement indicating on what special points of excellence it was based.

12. In case any article or device has received an award at a previous S. A. F. exhibition, awards shall cover subsequent improvements only.

13. No award shall be made covering the quality of seeds, fertilizers, paints and other articles of such nature that an intelligent opinion cannot be had without a practical test.

14. No awards shall be made to exhibitors who are not members of the Society of American Florists and Ornamental Horticulturists.

15. The exhibition shall be closed during the hours when the convention is in session.

16. Exhibits not in position before 1 p. m. on the first day of the convention may be excluded from mention in the superintendent's report or consideration by the judges.

17. The exhibition shall open not less than two hours before the opening of the morning session, to remain open until 10 p. m. each day except during the session hours, as provided in Section 15.

18. No article exhibited shall be removed until after the close of the last day's session except by permission of the superintendent of the exhibition.

19. All adjustments not covered by rules or published action of the executive board shall be referred to that committee. [Attention is specially directed to rule seven at this time.—Ed.]

Greenhouse Heating.

At the last annual meeting of the American Society of Heating and Ventilating Engineers, says the Engineering Review, the following topic was brought up for discussion:

"Has latest practice demonstrated the advisability of using smaller sized pipe in hot water systems in greenhouses?"

This discussion, however, was not confined alone to the necessary size of piping for any one system, but eventually broadened into a general discussion of the different merits of hot water and steam for heating greenhouses.

It is not in the province of an article of this character to enter into an academic discussion of the merits or demerits of the two systems in general use. We think, however, that an article descriptive of greenhouse heating will not, at this time, be untimely and will, we hope, prove interesting.

The greenhouses at the United States Soldiers' Home, Washington, D. C., contain about 16,300 square feet of glass surface and equivalent. The building consists of seven compartments, as shown in plan, Fig. 1. All of these houses are heated by hot water except the palm house, which, as it is located at a higher level than the other houses, is heated by steam supplied by a 4-inch high pressure main from the power house located about 300 feet distant.

Another reason for the use of steam in the palm house lay in the desire to economize space by the use of small pipes,

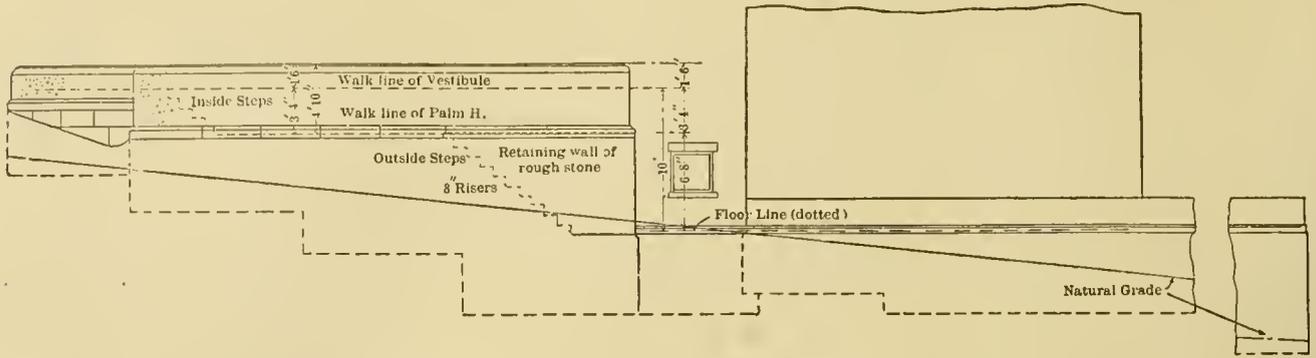


Alexander McPherson.

(Superintendent of grounds and greenhouses, National Soldiers' Home, Washington, D. C.)

which are kept concealed as far as possible.

As shown in Fig. 1, a regulating pressure valve is placed on the main line, which is used as required, the line being so valved that the pressure valve can be cut out if desired, thus allowing the use of either high or low pressure steam.



Engineering Review

HEATING GREENHOUSES AT NATIONAL SOLDIERS' HOME, WASHINGTON, D. C.—Fig. 2.

(From Engineering Review.)

The piping in the palm house consists of twelve 1½-inch wrought iron coils, containing about 3,000 feet of pipe, hung on the walls with adjustable clamp hangers fastened to angle iron uprights.

Details of these coil connections and coil hangers and also of the coil connections in the vestibule are shown in Fig. 1.

The floor of the vestibule or lobby, through which the building is entered, is elevated about four feet above the floor of the palm house, which is clearly shown in elevation, Fig. 2.

The 4-inch high pressure main, which supplies the heat for the palm house, also supplies steam at fifteen pounds pressure through a 2-inch connection to a 400 H. P. National water heater, manufactured by the National Pipe Bending Company, placed in the heater room, to which the mains running through the various houses are attached.

All of the hot water pipes except those in the violet house, which are 2-inch wrought iron, are 3½-inch cast iron pipe. They are located under the benches and are supported by cast iron pipe chairs, which in turn rest on brick piers.

The arrangement of these pipes is clearly shown in a cross section through the plant house, Fig. 3, which is typical of the general arrangement.

At the extreme end of each coil of the hot water heating system, patent automatic air headers are placed, by the use of which the air is automatically expelled from the pipes. The use of these headers obviates the necessity of open tanks and pipes standing above the tables taking up plant space, which are unsightly in appearance and frequently allow the hot water to overflow, destroying the plants around them.

There is about 3,500 feet of cast iron pipe in the various houses, while the violet house contains 200 feet of wrought iron pipe.

A detail of the expansion tank is shown in Fig. 1. The open tank system is employed.

Where the ground is level the running of the pipes becomes a comparatively easy proposition, but where the grade falls away quickly, as in this case, it sometimes becomes quite a problem to arrange the pipes to obtain the best results. We have referred before to the vestibule being elevated above the palm house floor. The palm house is about seven feet above the rest of the houses, while the violet house is considerably lower than any of the others.

This elevation in the case of the palm house was overcome by the adaptation of steam. The manner of running the

pipes in the violet house is clearly shown, the pipes being elevated to give a column.

The houses are heated to maintain the following temperatures when the outside temperature is zero:

Palm house.....	55 to 60 degrees.
Plant house.....	55 to 60 degrees.
Rose house.....	55 to 60 degrees.
Propagating house.....	55 to 60 degrees.
Carnation house.....	45 to 50 degrees.
Violet house.....	40 to 45 degrees.

Iron body, brass mounted valves are placed on the heating system so arranged to control the heat in each house.

The building was designed and erected and the heating system installed by the Lord & Burnham Company, New York and Irvington-on-the-Hudson, N. Y.

National Soldiers' Home, Washington.

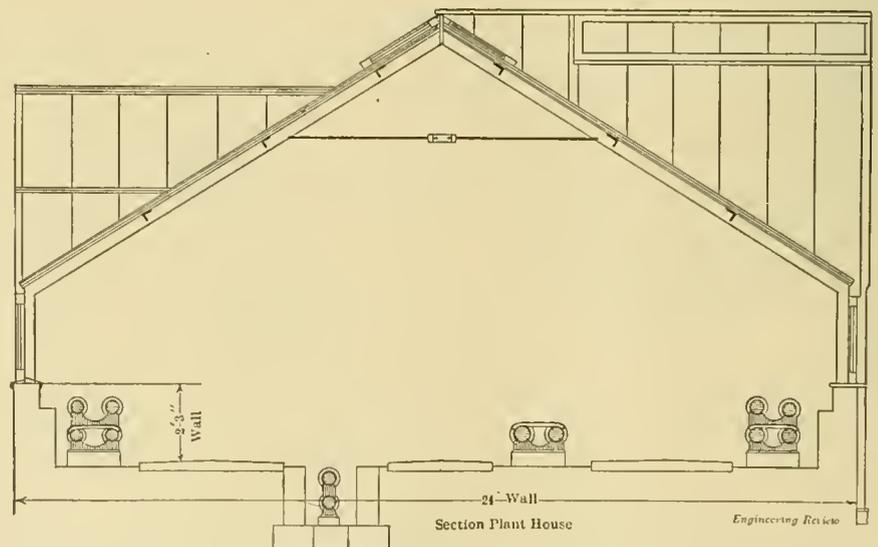
There are few more interesting points about the national capital than the Soldiers' Home, with its magnificent and thoroughly equipped buildings, its landscape of woodland and lake, and an important and attractive feature are the greenhouses, illustrations of which are herewith given. Alexander McPherson is the capable superintendent of grounds and greenhouses. A native of Scotland, Mr. McPherson was well versed in his profession when he came to the United States. For a number of years he held important positions in the vicinity of New York. Five years ago he came to

the Soldiers' Home, and to-day there are many evidences of his handiwork to be seen there.

S. E.

Solanum Capsicastrum.

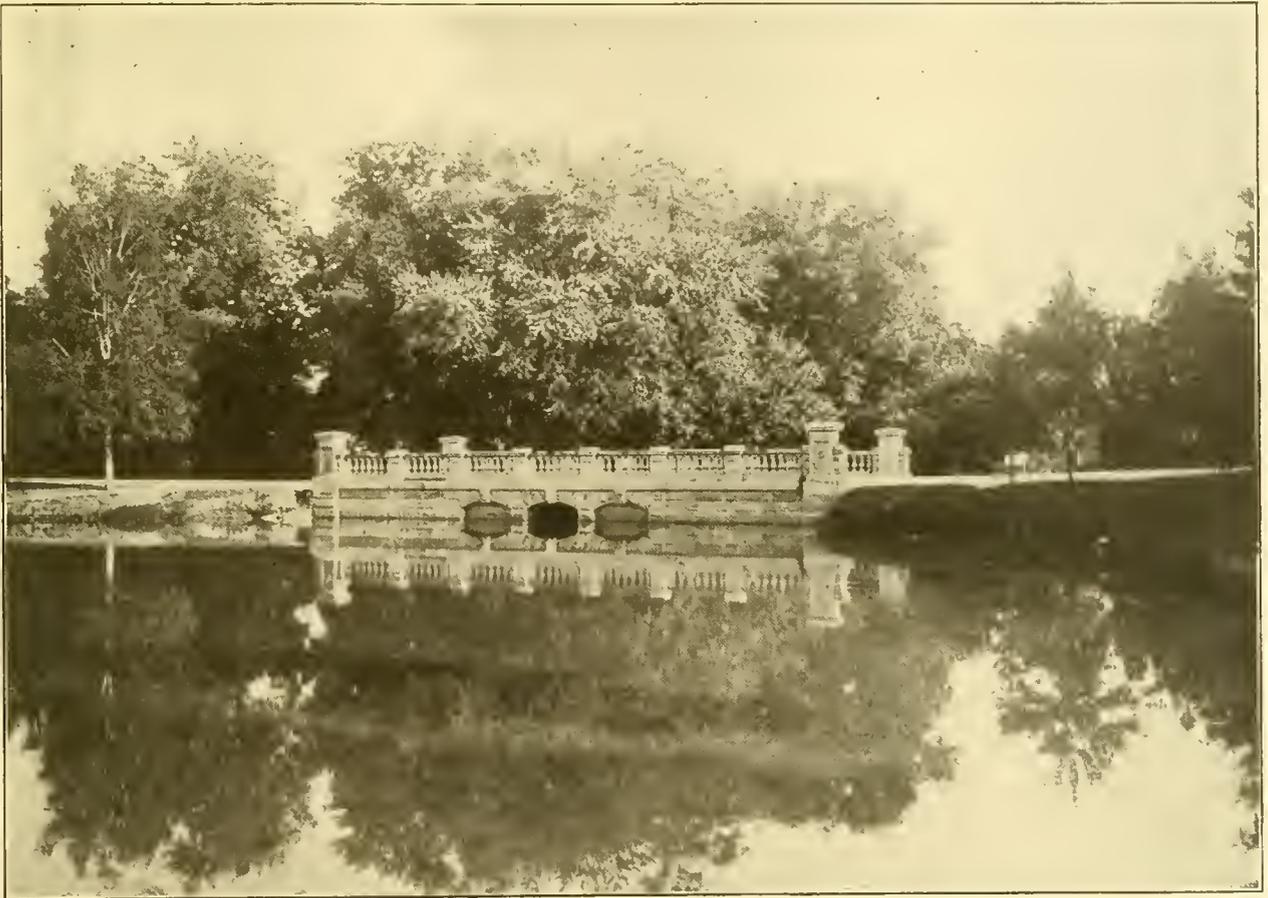
Assuming the gardener cut back his plants of this species early last month, leaving about an inch of last season's growth, and placed them in a cold pit or frame, and syringed them twice a day, the plants will now be pushing new growth and may be shaken out of the soil and repotted in pots of the same size, well crocking them, as the plant requires much water when in active growth and out-of-doors, says a correspondent of the *Gardeners' Chronicle*. Sound loam two-thirds, and leaf soil one-third, with a small quantity of bone meal and coarse sand, make a good potting mixture. Pot firmly and place the plants in the frame; shade during the strong sunshine and keep close for four or five days. When the plants commence to grow, place them out of doors in a sunny position on a hard bottom, and fill up around the pots with spent mushroom-bed manure or that from an exhausted hot-bed, covering the pots completely. Generally it is necessary to rub off some of the shoots that come away, but retain the stronger, and pinch out the points when two inches long. As soon as the flowers begin to expand, and right up to the time the berries begin to color, weak



Engineering Review

HEATING GREENHOUSES AT NATIONAL SOLDIERS' HOME, WASHINGTON.—Fig. 3.

(From Engineering Review.)



A BRIDGE AT THE NATIONAL SOLDIERS' HOME, WASHINGTON, D. C.

soot water may alternate with clean water. In some gardens the plants must be enclosed in netting, to keep the birds from eating the berries when they begin to ripen. Let the plants be housed towards the end of October; placing them in a light position, and if required early, afford slight warmth in order to ripen the fruits. Cuttings should be struck annually in January or February on mild bottom heat. When rooted, pot singly in 3-inch pots, and stop the shoots thrice, otherwise treat like the old plants. Some gardeners raise their plants from seed, sowing in January, but the habit of the plant is too straggly for most gardeners, although others admire the lack of primness, and the greater freedom and negligence appearance of such plants.

Philadelphia Gleanings.

At the Girard college grounds the pansies are still in good shape. The favorites are Emperor William and a yellow with dark eye, Lord Beaconsfield. There are two solid beds of each of the above and two beds of a mixture. The plan carried out by the late Mr. Huster was to sow the seed in August and transplant them into cold frames for the winter as soon as ready to handle. As soon as the weather permitted in the spring alter the tulips made their appearance above the ground the pansies were dibbled in between the rows, and just as soon as the tulips commence to look shabby the flower stems were cut and a pansy bed in full bloom appeared.

Spring bedding is a feature here on account of Founder's day, Stephen

Girard's birthday, May 20, when all the graduates from this institution are invited with their friends to celebrate the occasion. It is estimated that about 15,000 persons were in the grounds last Friday. At the present time there are upward of 1,500 boys being cared for and educated at the college and nearly 400 persons are engaged directly and indirectly in the good work.

When the spring bedding is on the wane crotons become supreme. It was the late Gec. Huster who popularized the croton as a bedding plant. Among geraniums which are now planted out here are John Doyle and S. A. Nutt, in reds, and Jean Viaud, Mme. Deering and Glorious in pinks. The latter variety was secured from Paul Hubner, who found it at Trenton. Whether it is a Trenton seedling or a renamed good variety no one appears to know. For these grounds it is away ahead of any other pink variety. La Favorite is the only white grown. The only coleuses used are Golden Bedder and Verschaffeltii. Abutilon Savitzii is a very effective edging plant, though Geranium Mme. Salleroy is used in large numbers for that purpose. All the best alternantheras, among them Brilliantissima, are used and echeveria in the best varieties. Geranium Dryden is being tried in a small way, and a few others, H. Trego being one of them.

E. WYNNE.

VISALIA, CAL.—Misses Parsons and Coleman, florists and decorators of Fresno, have established an agency in Visalia.

World's Fair Notes.

The Missouri State Horticultural society held its summer meeting in the hall of the Horticulture building, June 7 to 10. Many valuable papers relating to orcharding and small fruit growing were read and the liberal premiums offered by the society brought out a large exhibit of strawberries. At the session of Tuesday morning, Stark Brothers, of Louisiana, Mo., claimed that they had suffered in reputation and from a business standpoint by the report of the committee appointed by the society last year to investigate the origin of the Gano and Black Ben Davis apples, as the committee had reported that it could detect no differences and that as the Gano was first named, it should have priority. Professor Dutcher, of Warrensburg, presented a resolution to the effect that as the public had misunderstood the attitude taken by Stark Brothers in the matter, the society wished it understood that in making the investigation there had been no idea of interfering with the commercial side of the question.

On Friday and Saturday of last week, a rainfall of more than two inches, most of which fell within a space of two hours, washed the cinder drives in many parts of the grounds, but did little harm to the bedding plants. In fact, in most instances it was a benefit, as it aided in establishing the large plants of cannas and geraniums which had just been set.

Many improvements in a landscape way are being made about the New York state building. It will include a water garden and a large amount of shrubbery



CURVILINEAR PALM HOUSE AND PARTIAL VIEW OF OTHER HOUSES, NATIONAL SOLDIERS' HOME, WASHINGTON, D. C.

and bedding plants on the north side of the building.

Orlando A. Harrison, of the firm of H. G. Harrison & Sons, the well known nurserymen of Berlin, Maryland, is at the fair as one of the commissioners for the state of Maryland.

Mexico has received another large shipment of greenhouse plants, mostly palms and dracanas, which has been placed in the conservatory in the Palace of Horticulture.

W. F. Heikes, Huntsville, Ala., and Professor H. C. Irish, of Shaw's Garden, have been acting as members of the jury of awards in horticulture during the past week.

The bulbs of tulips and hyacinths have been removed from the beds in the terrace east of the Palace of Agriculture and they will be filled with foliage plants.

Several hundred Magna Charta and Paul Neyron roses exhibited by the Heikes' Wholesale nurseries, of Huntsville, Ala., are now at their best.

The bed of rhododendrons referred to in the issue of May 28, as exhibited by J. B. Wild & Brothers, is really a part of the exhibit of Siebrecht & Son.

Greenhouse Building.

Hingham, Mass.—W. O. Blake, rose house, carnation house, palm house, chrysanthemum house, coal house and potting shed.

Manchester, N. H.—Pine Grove Cemetery, conservatory.

South Framingham, Mass.—S. J. Goddard, two houses.

Tewkesbury, Mass.—John Gale, two houses.

Stafford Springs, Conn.—Stafford Floral Company, carnation house, 14x110 feet.

Kewanee, Ill.—Hamilton & Plummer, three houses, each 16x110 feet.

Govanstown, Md.—Anders Anderson, rose house 22x100.

Stoughton, Mass.—W. B. Southworth, violet house, 25x126.

No. Cambridge, Mass.—John McKenzie, one house.

Tiffin, O.—A. F. Smaltz, three houses, two 20x50 and one 20x115.

Prizes for Gardens and Greenhouses.

The Massachusetts Horticultural Society, Boston, distributed the following in the form of a circular, May, 1904:

The committee on gardens of the Massachusetts Horticultural Society respectfully invites the attention of owners of estates in New England to the premiums offered by this society for the purpose of encouraging the development and ornamentation of private grounds and the establishment and maintenance of greenhouses for the culture of plants, fruits and vegetables.

For more than fifty years the society, through this committee, has endeavored to promote the interest in this line of horticultural progress, and the general improvement manifest in suburban and rural places during this period attests the value of this department of the society's work and the success which has attended its efforts in this direction.

In presenting the schedule of prizes for the year, the committee desires to state that in addition to the special objects mentioned its members will be glad to inspect places devoted to the culture of any productions of merit, either under glass or in open ground, and to award such gratuities as may be deemed suitable.

The special rules of the committee and the list of prizes for the year are as follows:

1. All applications for visits may be made to the secretary of the society at any time during the season.

2. It shall be the duty of the committee to select from the applications those which may seem most deserving of notice, and to visit as many places and as often as may be deemed expedient.

3. In making all examinations, the utmost regard must be paid to economy and general thrift; in cases, however, of pleasure, landscape, or ornamental grounds, more allowance must be made for taste and design, and a gratuity or complimentary notice may be given at the discretion of the committee.

4. The committee may, at its discretion, give prizes or other awards as may best promote the objects of the society, and meet special cases, always, of course, within the limits of the appropriation.

5. Competitors for the prizes shall furnish to the committee, if required, written statements of their mode of cultivation, and any other particulars of general interest concerning the arrangement of their grounds and greenhouses.

6. The expenses of the committee shall be paid by the society, and a record shall be kept by the chairman of all places visited.

H. H. HUNNEWELL TRIENNIAL PREMIUMS.

For an estate of not less than three acres, which shall be laid out with the most taste, planted most judiciously, and kept in the best order for three consecutive years, a prize of \$160; second prize \$80.

JOHN A. LOWELL FUND.

For the best house of chrysanthemums arranged for effect with other plants in pots, \$40; second prize \$20.

For the best house or houses of chrysanthemums grown on benches \$40; second prize \$20.

SPECIAL PRIZE OFFERED BY EDWARD HATCH.

For the best house of fruit, plants grown in pots or tubs included, \$30; second prize \$20.

SOCIETY'S PRIZES.

For the best house, not commercial, of palms and foliage plants, \$30; second prize \$20.

For the best house of foreign grapes, \$30; second prize \$20.

For the best house, not commercial, of carnations, \$30; second prize \$20.

For the best house, not commercial, of roses, \$30; second prize \$20.

For the best vegetable garden, not commercial, \$30; second prize \$20.

COMMITTEE ON GARDENS.

CHARLES W. PARKER, Chairman.

DAVID F. ROY.

JOHN A. PETTIOREW.

W. W. RAWSON.

ARTHUR H. FEWKES.

OAKES AMES.

PATRICK NORTON.

HENRY P. WALCOTT, M. D.

Arabis Albida Flore Pleno.

There can be no question that this plant has come to stay, according to a correspondent of the Gardening World, for the double white flowers that are pro-



INTERIOR OF PALM HOUSE, NATIONAL SOLDIERS' HOME, WASHINGTON, D. C.



RESIDENCE OF SUPT. McPHERSON, NATIONAL SOLDIERS' HOME, WASHINGTON.

duced on strong plants remind one of a miniature double stock. The plant itself is of the easiest cultivation, and may be propagated to any extent after flowering by the simple division of the pieces. While it is yet scarce, however, the grower may propagate it by cuttings that have not flowered, and before the latter get ripened up by dry weather. If this is done early in the season the plants may be rooted and established sufficiently before September to come into bloom again, provided there is a fairly liberal rainfall about that time to start them into fresh growth. Few spring-flowering plants are more popular than the ordinary single form, but I think that when the double one has become more widely distributed and plentiful it will take the place of the single one. That is, if no objection is taken to double flowers, and very few gardeners reject them.

Piping for Greenhouse.

ED. AM. FLORIST:—How many lines of 3-inch pipe will it take to heat four houses each 20x100? The temperature wanted is 58° at night. Also how many lines of 3-inch pipe will it take to heat two houses, each 10x100, one house at a temperature of 58° at night and the other for propagating, temperature 55° at the top and at the bottom 65°. Will a 6-inch main be large enough? The height of the large houses to the ridge is twelve feet and the small houses eight feet.

SUBSCRIBER.

If the houses are situated where the mercury does not fall more than 10° below zero, the houses twenty feet wide can be heated by means of three 3-inch flows and six 3-inch returns. For the house ten feet wide, in which 58° is desired, it will be advisable to use one 3-inch flow and four 3-inch returns. In case the walls are neither of them exposed and the house is in a sheltered location, it might be possible to do the work with two 3-inch flows and two 3-inch returns, but it would be hardly advisable. In the house in which bottom heat is desired, it will be best to use two 3-inch flows and four 3-inch returns. If the main is a short one and the coils are well above the top of the heater, a 6-inch main would answer for the six houses. These esti-

mates are given with the idea that there is no exposed glass in the side walls of the houses. L. R. T.

American Peony Society.

The first annual meeting of the American Peony Society was held at the New York Botanical Garden Wednesday evening, June 8, with President C. W. Ward in the chair and about ten members in attendance. The report of Secretary A. H. Fewkes showed a membership of twenty-three, and Treasurer J. H. Humphreys reported a balance in the treasury of \$175.

The nomenclature committee's report stated that a list had been compiled comprising the names of all French and Belgian introductions since 1824, all the English introductions since 1884, all the Japanese introductions with the correct English translations of their names added

and all American seedlings, making a total of over 1,100 original descriptions. The list of the Holland Peony Association has been obtained, comprising nearly 300 sorts.

It was announced by the president that arrangements had been perfected with Professor Craig, at Cornell University, for an extended series of tests and comparison of varieties under cultivation.

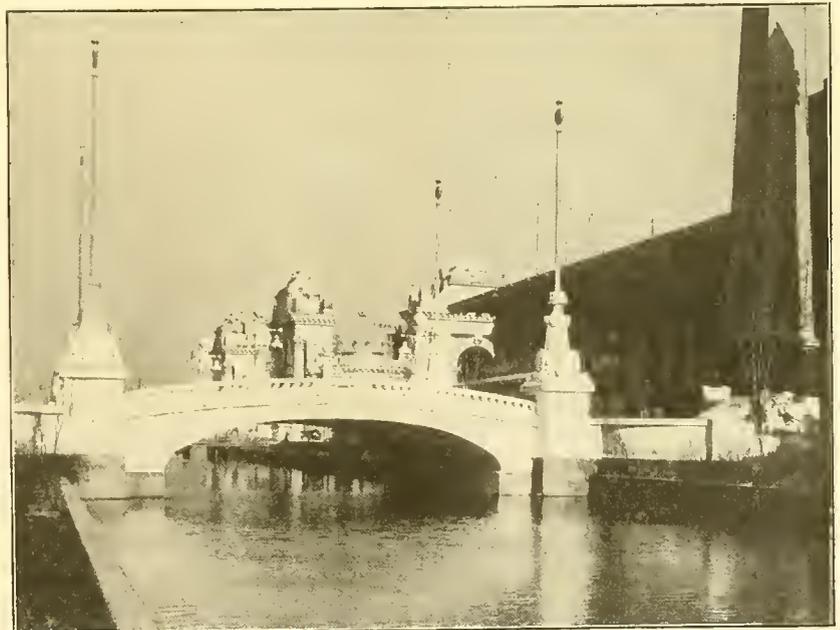
Last year's officers were re-elected excepting that Theodore Smith, of Geneva, succeeds C. S. Harrison, of York, Neb., as a director. The matter of incorporation was deferred, owing to a defect in the papers.

A discussion participated in by Winfried Rolker, E. A. Reeves, the secretary and the president brought out the fact that peonies less than four years in one location are apt to have blighted flower buds, that fall planting is preferable, when practicable, to spring planting, that peonies like rich garden loam, with sandy loam blooming a few days earlier, that lime is advantageous if used on land where acidity prevails and that liberal manure is essential and mulching beneficial.

Two new members were admitted and the press committee instructed was to prepare a pamphlet for circulation with a view to increasing the membership. A. Dessert, the well known French peony specialist, was elected an honorary member.

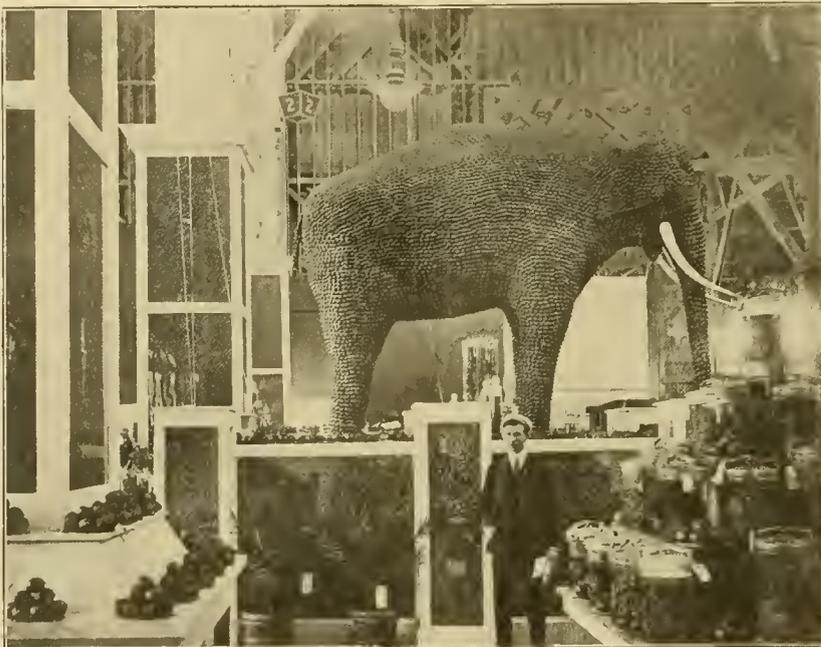
THE EXHIBITION.

The exhibition of the Horticultural Society of New York in conjunction with the American Peony Society was a good one, especially in peonies. C. W. Ward, of the Cottage Gardens, being the largest exhibitor, with between two and three hundred varieties of peonies, won the gold medal offered. Betscher Brothers, Canal Dover, O.; Frank Gould, Siebrecht & Son, of New York; the Andorra Nurseries, Chestnut Hill, Pa., and the Sunnyside Greenhouse, also showed peonies. The prizes for hardy roses were awarded to Howard Nichol, first, and Siebrecht & Son, second; for herbaceous perennials, to the Blue Hill Nursery, of South Braintree, Mass., and Siebrecht &



BRIDGE OVER LAGOON LEADING TO PALACE OF MINES AND METALLURGY.

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CALIFORNIA EXHIBIT IN HORTICULTURE BUILDING, WORLD'S FAIR, ST. LOUIS.

Son; for ferns, to Siebrecht & Son and the Bedford Agassiz Society; for strawberries and vegetables to Howard Nichol, and for rhododendrons, to the F. R. Pierson Company, Tarrytown, and James Wood. The Pierson Company showed a fine specimen of its new fern.

Experiment Station at Chico, Cal.

The United States department of agriculture has decided to establish a plant introduction garden and experiment station at Chico, Cal. Contracts for the necessary land has been closed and work has been begun on what will undoubtedly be one of the greatest institutions of its kind in America. A beginning will be made with ninety acres, but it is the intention of the department to extend the area as the needs of the institution require. The garden will be devoted to experimental culture of the plants introduced from all parts of the world and to a careful study of plant life.

Such an institution has long been contemplated by the agricultural department. California was selected for its location on account of climatic conditions which admit of the culture of tender plants from the tropics and of northern products as well. The ideal location for such an institution is that which admits of the successful cultivation of the widest possible range of products, and the committee entrusted with the duty of selecting the site believes it has found it at Chico.

This committee was composed of Prof. P. H. Dorsett, government expert, who will have charge of the institution, and Prof. A. V. Stubenrauch, of the University of California, acting with Dr. A. J. Pieters, head of the division for seed and plant distribution. Messrs. Dorsett and Stubenrauch spent months in making a careful study of conditions affecting plant life in various portions of the state, visiting and carefully inspecting each locality likely to prove available. The decision in favor of Chico was reached some time ago, but the site selected could not be secured and another tract had to be

chosen, which has now been done and the purchase consummated.

Chico is situated near the eastern border of the great Sacramento valley, seventy-five miles north of Sacramento, and was the most northerly point considered by the committee. Climatic conditions in California are affected but little if at all by conditions of latitude, the orange, the lemon and the olive being staple products of a district that measures fully five hundred miles north and south.

SPRINGFIELD, O.—C. L. Reese, the florist of 60 South Limestone street, was elected a member of the Commercial Club at its last meeting, June 2.

SOUTH WEYMOUTH, MASS.—Charles B. Stevens has transferred to James McBride of Worcester five acres of land in Adams Place, near this town. A frame dwelling, stable and new greenhouse are included. The purchaser will probably build new greenhouses and give his attention to growing flowers.

THE RETAIL TRADE

A VAST bank of Anthurium Scherzerianum was the feature of Thorley's window decoration on Broadway, New York, last week.

Crane-Higinbotham Wedding Decorations.

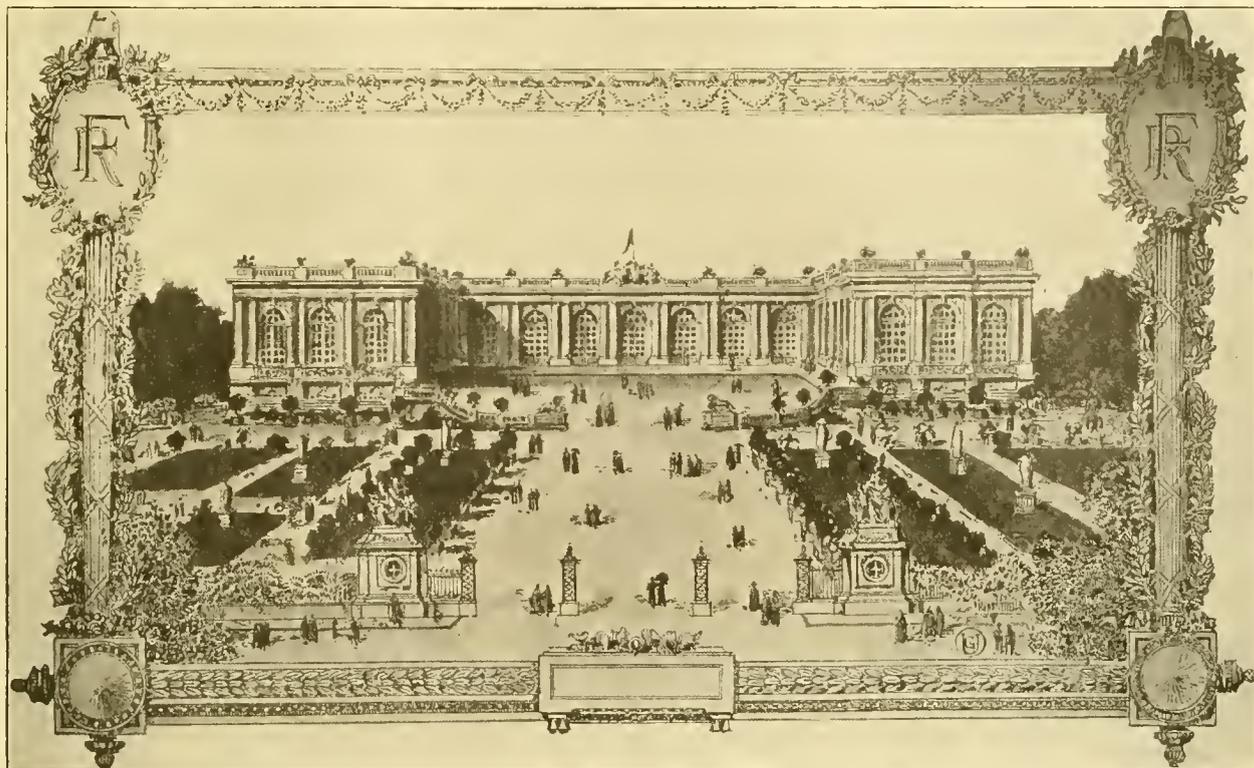
The wedding of the week in Chicago was that of Miss Florence Higinbotham, daughter of H. N. Higinbotham, to R. T. Crane, Jr., son of the Crane Company's president. The decorations were superintended by James Hartshorne, of the Carnation Company, of Joliet, who has executed all of the Higinbotham decorations since the Chicago World's Fair. The Chicago Carnation Company's retail department had the decorations, assisted by the George Wittbold Company in the plant line. Flowers used were chiefly *Spiræa Van Houttei* and white and pink peonies. Mr. Hartshorne was given carte blanche orders to spare nothing, but to have the decorations in general as pretty as they could possibly be. The walls leading from the main hall to the upper floors were covered with a network of wire hung from the ceiling and covered with wild smilax, on which was tied festoons and sprays of the bridal wreath. Hanging in the spacious hall was a huge bell, containing 2,500 white marguerites, under which the bridal procession passed: Ten other 12-inch bells were done with carnations.

The door casings of the drawing room were garlanded with bridal wreaths fastened to strings of *Asparagus plumosus*. The chandeliers were decorated with the same. The mantel was banked with crottons, ferns, etc., in pots, and single white peonies interspersed among them. The improvised altar consisted of a canopy made in the form of a sea shell, which was one of the features of the decoration. Feverfews were used to represent the hollow, wide depressions in the shell, while the ribs were brought out in relief with the use of a light cattleya colored single peony, which looked remarkably like cattleya at a distance of fifteen feet. From the back of the shell hung *Asparagus plumosus*, and the whole was banked with palms, making this feature very effective.

The dining room was done with that grand peony, *Festiva Maxima*. A huge arrangement was also the center piece



G. FLEISCHER'S NEW STORE, PUEBLO, COL.



FRENCH NATIONAL BUILDING AND GARDENS, WORLD'S FAIR, ST. LOUIS, MO.

for the buffet table. The hall, 12 feet wide and 100 feet long, was done in wild smilax, in which were single white peonies, the smilax rising from the floor in a careless way to the corners of the ceiling and branching out along the ceiling, giving the appearance of vines growing in a natural way and full of bloom. Fifteen other rooms were decorated with vases of peonies and branches of spiræa.

Chicago.

June weddings and commencement exercises of the many educational institutions have created a good demand for decorations the last week, and it is noteworthy the high grade of blooms which are demanded for these occasions. The retailers are enjoying a fair business in consequence and have their hands full. It is not so rosy, however, in the shipping line, which is nothing to boast of. Just now a remarkable carnation glut prevails and the stock is difficult to move and sell at any price. Peonies have the call over all other lines now and they are coming in from the local farms in great quantity and variety. They are of superb quality this year and bid fair to make a good season during their stay. The weather has remained cool, but notwithstanding this there are great quantities of all kinds of flowers being cut. Roses of the better grades are not so plentiful and are commanding good prices. Ferns are holding firm in price and green goods of all kinds are not in any too good supply.

It will be news to the craft and many friends of L. H. Winterson, of E. F. Winterson Company, to learn of his approaching marriage, which will occur on June 29. The bride-to-be is Miss Steen, an estimable and popular young lady of Lake View. After the ceremony a honeymoon trip will be taken through Wisconsin and other northern states. Congratulations.

The daily newspapers were agog this

week over the alleged discovery at the greenhouses at New Castle, Ind., of a new rose, and placed its value at \$500. The "discovery" was nothing more than a bloom of Bridesmaid turned partially white, which is of frequent occurrence.

E. Plagge will embark in the growing business at Elmhurst, Ill., this summer. He will start on an unpretentious scale with two houses, 22x250 feet, which he will erect in the near future. Miscellaneous stock will be grown.

E. F. Winterson Company is now getting in large quantities of peonies in the newer varieties from plants that were planted four years ago and that are now in good bearing condition.

Superintendent Warder, of Lincoln park, and W. A. Peterson, of the Peterson Nursery, are at St. Louis this week attending the annual convention of the Park and Outdoor Art Association.

Peter Reinberg's daily cut of Liberty and Chatenay roses is running grandly, and the heavy demand for high class roses keeps them well cleaned up.

E. C. Amling continues to receive the choicest cut of longiflorums received in this market. They are seldom seen so good at this time of year.

Geo. Wittbold Company is inundated with spring work, which is reported heavier than for many years.

The elegant Festiva Maxima peony is seen at its best at J. B. Deamud's. The ruling price is \$1 per bunch.

Lawson carnations are now in exceptionally good shape at Sinner Brothers' houses.

J. B. Deamud is spending a week at Cairo, Mich., where his family is summering.

J. A. Budlong reports a good plant trade.

Visitors this week were George H. Cox, with D. C. Noble, Columbia City, Ind.; A. F. Smaltz, Tiffin, O.; Joseph B. Feldman, of the Salt Lake-Huddart Floral Company, Salt Lake City, Utah.

New York.

The cut flower market is in a state of midsummer lassitude. Driven in by the hot weather peonies are piled high in the wholesale markets and in quantity far beyond the capacity of the market. This is also true of most other flowers and roses are not only too abundant but generally poor in quality and much of the stock is badly mildewed.

Marion Montague Henderson, only daughter of Charles Henderson, was married on Tuesday evening, June 7, to Richard Cornelius Loesch. The ceremony took place at Mr. Henderson's home in East Hackensack, N. J., the house being beautifully decorated by Thomas Young, Jr. The spacious piazza was enclosed with drapery and curtains and the reception was held under a canopy of Bride roses and green. The windows and doors were festooned with asparagus and pink and white sweet peas. Heavy draperies of asparagus and Liberty roses were hung on the stair railings and many groups of fine palms adorned the piazza and halls.

Wm. J. Elliott, the genial auctioneer, has been bid in by a fair purchaser, Miss Edna Allin, of New York. The ceremony took place at the home of the bride's parents on June 4. Mr. Elliott says the occasion was of a very conservative character and the scene of the happy honeymoon was laid in the Claremont, Riverside drive.

Two hundred and fifty dollars' worth of prizes are already provided for the games and contests at the great Florists' Club outing on June 29. Those who propose going should help things along by buying tickets early.

A. E. Rendle, the greenhouse and skylight builder, has sued Howard Gould for \$33,000 for work on the greenhouses at Castle Gould, near Sands Point, Long Island.

Traendly & Schenck have got well set-

tled down in their fine new store at 44 West Twenty-eighth street. It is very spacious and convenient in all its equipments.

C. A. Dards and Miss Dards sailed on a European trip last Friday on the steam ship Arabic of the White Star line.

Chas. W. Siebrecht, Jr., only child of C. W. Siebrecht, died May 25, aged seventeen months.

L. W. Wheeler, of Vaughan's Seed Store, is away enjoying a two weeks' vacation.

Mrs. Wm. Hillebrecht died at Secaucus, N. J., Sunday, June 5.

NOTES.

John Theilmann, of Broadway, Brooklyn, is home again from a two weeks' trip to the Catskill mountains looking very much refreshed.

John Matthews of Great Neck, who underwent an operation recently has recovered enough to be around again.

George Matthews, of Great Neck, has decided to retire from the florist business. Mr. Matthews has some very fine lots at Great Neck which recently have become very valuable.

Herman Keller, who was salesman and bookkeeper for Hermann Dreyer, is going to locate on Jackson avenue and Traus Meadow road, and contemplates building a fine range of glass.

Hermann Dreyer can be seen any day enjoying himself on Jackson avenue in his automobile. Hermann handles the machine like an expert.

Mrs. Edward C. Matther contemplates a three months' trip to Europe on a visit to her mother. P. J. K.

Boston.

Business since Decoration day has been fairly steady and the grade of flowers coming to the market the last week has averaged much better than for that special occasion. Mildew is seen on some of the roses, but the proportion of good stock is satisfactorily large at present.

The rhododendron exhibition at Horticultural hall on Saturday and Sunday, June 4 and 5, was superb beyond all anticipations. Rhododendrons were in evidence in greater numbers than could be expected after such a disastrous winter, but the display of plants and flowers outside of this specialty was the surprising feature, the lecture hall and loggia being filled to overflowing, the arrangement of the groups being excellent and the attendance of visitors very large. In hardy rhododendrons Mrs. J. L. Gardner led, and in tender varieties Walter Hunnewell excelled. Both of these contributors made large displays, T. C. Thurlow and E. P. Shaw sharing with them in the distribution of the special Hunnewell prizes. Prizes for German irises were won by T. C. Thurlow, H. C. Merriam and Wm. Whitman, for pyrethrums by Mrs. Gardner, and for hardy ornamental trees and shrubs by Mrs. Gardner, E. A. Clark and Warren Heustis, respectively. A silver medal was awarded to Walter Hunnewell for display of rhododendrons and honorable mention was given F. J. Rea for new German iris, Her Majesty, and H. C. Merriam for new German iris, Madonna Alba. A vase of splendid spikes of Odontoglossum crispum from E. V. R. Thayer won a vote of thanks for that gentleman and a cultural certificate for the grower, E. O. Orpet. Lager & Hurrell made a fine exhibit of choice orchids in bloom. The Harvard Botanic Garden staged a remarkably extensive and interesting collection of hardy herbaceous flowers and also con-

tributed a central group of Clerodendron Balfouri and fuchsias finished off with cyperus and other grasses. A fine group of palms, azaleas and rhododendrons arranged in a pyramid came from R. & J. Farquhar & Company. T. C. Thurlow, as usual, showed up with an unrivaled lot of azaleas and rhododendrons and Mrs. Gill, J. B. Shurtleff and others were represented by promiscuous exhibits of high merit.

James Quinn, of Brookline, whose death on May 30 we chronicled last week, was a quiet, unassuming man of always genial manner and highly respected by all who knew him. So long had he been in the florist business that none now living can remember when he was not. A more honest man never lived.

John H. Cox, well known as travelling representative for a number of plant and seed establishments for a number of years, sailed for Liverpool on the Ivernia June 7, hoping to regain his health after a long and painful illness.

St. Louis.

We have had an unprecedented amount of rain the last week. The present indications, however, are that the weather will be clear for several days at least. The rain had an adverse effect on the attendance at the fair and has interfered somewhat with the planting and outside work generally. The effect of the precipitation has been noticeable in the poor quality of flowers seen recently, particularly sweet peas, which in many instances are water-soaked and altogether unsalable. In carnations the season is over in many of both standard and fancy varieties, and growers will find it to their advantage to throw out all kinds known to be poor keepers. Prices are hard to quote this week and much left over stock is being dumped. Even the street men are not buying in large quantities, preferring to buy a few dollars' worth at a time to save losses on stock that it seems impossible to hold over to advantage. Peonies are about over in this market, and we think the growers in general are pretty well satisfied with their returns. The carnation men are trying to figure out how to get rid of the big crop of weeds that got a good start in the rains.

"Open" Sunday at the Missouri Botanic Gardens found an ideal day and established a new record for open Sunday in June. Twenty-six thousand two hundred visitors passed through the gates. The largest attendance ever registered in a single day was 30,100. The garden is open every week day but only two Sundays in the year.

Messrs. Miller and Meinhardt are on the jury this week.

Harry Balsley, of Detroit, Mich., was a visitor. J. W. D.

Baltimore.

Last week and up to this writing in the present one trade here has been fairly brisk, quite up, probably, to the average of the season. There have been one or two funerals of prominent people, where, notwithstanding the inhibition of sending flowers published in the papers the floral displays were at once large and choice. Now the commencement season is at its height, and great quantities of all sorts of flowers are in almost daily request. Peonies are a drug in the market, the "farmers'" crop being in. There are too many sweet peas. Really good roses are not equal to the requirements of the market. This is about the situa-

tion. The weather is changeable, electric storms being numerous, with the heat reaching up to 90° and more. There have been copious rains and some high winds but no material damage has been done. Naturally, roses hereafter will be shorter in supply, as many houses are being pulled out, but there is no likelihood that all demands will not be easily met. The market for bedding stock is also nearing its close, and the street vendors complain that the flight of people to the country lessens their trade.

Gilbert H. Patterson, one of our old-time gardeners, is lying ill at one of the hospitals from a stroke of apoplexy, and there seems slight hope of his recovery. Many years ago he was gardener to the late Johns Hopkins, a wealthy Baltimorean, who founded the university and hospital which bear his name, at his country place, Clifton, now one of the city parks. Patterson was an expert grape grower in those days, when the culture of exotic grapes under glass was the test and highest achievement of the gardener's skill. Later he was in business for himself, and was connected with a large family, all of whom are engaged in the florists' trade. He has been a pretty regular attendant on the meetings of the Society of American Florists, and always esteemed by the craft.

Halliday Brothers have rented a part of their Charles street store to G. T. Saddler & Sons, one of the oldest optical goods and jewelry firms of this city, until their new building in the burnt district is ready for occupancy. S. B.

Washington, D. C.

The June weddings are making considerable business for the decorators, but trade in trade is slow. It could not be otherwise from the enormous amount of outdoor stock that is now being offered for sale. J. H. Small & Sons had a nice decoration in St. John's Episcopal church, June 4, for the wedding of Miss Annette Pell Townsend, daughter of Mrs. Thomas G. Townsend, to Marshall B. Phillips of Philadelphia. The church decoration was an artistic arrangement of palms, ferns and white peonies. The bride's bouquet was of white orchids and valley; bridesmaids' of pink roses. There was also a fine decoration for the wedding reception, held at the elegant home of the Townsends. Beneath a canopy of Asparagus plumosus nanus profusely decorated with valley and white carnations, a wedding bell of white satin was suspended, the whole being tied and looped with white satin ribbon.

Secretary Wilson recently told the president and cabinet there is a red ant in Guatemala that kills the cotton-boll weevils, and he was having some of them brought to Texas. The secretary, who is one of the best of men, ought to know, but I have been under the impression that they had some native ants in Texas that were wonders for pugnacity and voracity. If killing weevils was the business of ants, the Texas variety would have been at it long ago.

Col. C. S. Bromwell has assumed the duties of the office of superintendent of buildings and grounds, succeeding Col. W. B. Symonds who goes to New York as a member of the barge canal commission at a much higher salary. Col. Theodore Bingham, former incumbent, whose leg was recently amputated, is now said to be out of danger.

All the florists had a great amount of Decoration day work and seem well pleased with the net results.

David Bissett has accepted a position with the Agricultural Department's bureau of plant industry. S. E.

Philadelphia.

Assignee Burton, of the estate of Robt. Craig & Son, has issued a report showing a net gain of \$4,161.50 during the three months he has had charge of the business.

Detroit.

Decoration day being rainy, cold and disagreeable, did not bring much gladness to the florists here, all of whom were looking forward to that event to break the monotony of the dull business prevailing the previous three weeks. Some activity was created, however, by demands from small towns throughout the state, and considerable shipping was done. There was an abundance of all kinds of flowers, and the wholesalers and growers wisely refrained from advancing the prices on anything, and yet there was a surplus to be found almost everywhere. Lilac was fine and plentiful, and had the effect of reducing the call for indoor flowers to a considerable extent. Fortunately local-grown peonies were not yet in, and when they do bloom, which will be soon, there will be a better market for them.

The Club meeting Wednesday evening, June 1, brought out the usual good attendance, and though no particular subject was assigned for the evening, an interesting and enjoyable time was spent. President Breitmeyer, of the S. A. F., was present, and in an address on the benefits of trade organizations he strongly urged all who were not already members of the S. A. F. to join immediately and be present at the St. Louis convention. He also pointed out the wisdom and desirability of life membership in that society, and many of that class may be expected from here the present year. A movement has started, and is finding much favor among the members, to secure permanent and larger quarters for the Club in the new Michigan Cut Flower Exchange building on Miami avenue. The annual summer outing to Bois Blanc Island July 20 promises to be a big success. J. F. S.

Louisville, Ky.

The last week was a very favorable one, causing stock in every line to become scarce. Between weddings and funerals and one or two commencements we had all we could attend to. Although one or two are selling at "old rag" prices, the "regulars" have no trouble in getting their asking. There was such a demand made on peonies that the stock in the vicinity of Louisville simply ran out, and it will be a few days before we are able to secure them in quantity in this section. Roses can be had in quantity, but for quality some other market has to furnish them. Carnations have become scarce and the demand for them is great. Sweet peas can be had in quantity and the quality is good.

August R. Baumer, who recently engaged in business for himself, is still "around the corner," his place always presenting a neat appearance and business seemingly good.

Leo Zoeller, now at Schulz's, will soon erect a house for the growing of carnations. His plants in the field are looking well.

F. Walker & Company recently had their large window blown out of the new store they are about to occupy.

E. Heitz has the honor of having the first Enchantress in bloom in the field. One cutting paid for.

The Ray Company has had an opening, the phonograph playing a prominent part.

George T. Hodges' sweet peas came in nicely for the rush. F. L. S.

Syracuse, N. Y.

Florists have done a large amount of landscape gardening and garden work during the last month and have quite a number of orders at the present time. Henry Morris declares that there has been a cutting of prices and the work is being done at half what they should be getting. "So eager are they to get a \$10 job," says Mr. Morris, "they will do a \$20 piece of work. The work of filling boxes and urns is being done at half the price of the plants per dozen and the life has been cut out of other prices," he states.

P. R. Quinlan & Company report a large amount of outdoor work. Trade with the approach of Memorial day was unusually good and lots of work in the line of weddings is promised for the present month. The Quinlan company now has six carnation greenhouses at Onondaga Valley, recently completed, and work has been started on six more.

Mr. Morris executed a handsome design for a funeral last week. It was a large circle ordered by the local council of the United Commercial Travelers for the funeral of a member. Inside the circle was a traveler's case with the letters "U. C. T." The coloring was in purple and gold. A. V. B.

Newport, R. I.

We have been having cloudy weather, with considerable rain, for many days, and it does at last seem good to see the sun, even if only for a few hours. It is not so chilly as it has been and begins to appear more like June. The gardens look pretty well, but are still very wet; in fact, everything is damp, we having had little sun thus far. Newport's summer season is already under way, a great many of the season's visitors coming earlier than ever. Trees and shrubbery look fine. It has been many years since the foliage was so thick and luxuriantly green as now; horse chestnut trees are a grand sight and all early flowering shrubbery is superb. It seems as if what had survived the winter was making stronger growth than ever. As previously mentioned, there has been much replanting of beans and vine seeds, the cold, wet weather having rotted everything of a tender nature. What we need is some warm, sunny weather.

The first meeting for June of the Newport Horticultural Society was held Wednesday evening, with vice-president Alexander McLellan in the chair. T. B. Connelly was elected a member of the society. A communication was received from the F. R. Pierson Company, Tarrytown-on-Hudson, N. Y., saying it would be glad to exhibit the Pierson fern at the rose and strawberry show the latter part of this month.

Newport will have another summer palace as soon as it can be built. Edward Stephen Rawson, of New York, has purchased twelve acres of land on Ocean avenue. This lot was the last of the Newport property of Seth Low, ex-mayor of New York, and its sale marks his complete withdrawal from the city. This means another estate to supply with everything in the horticultural line.

The rose and strawberry exhibition of the Newport Horticultural Society will be held June 21 and 22 unless the lateness of the season causes a postponement. The show, as in past seasons, will be held in Masonic hall, and every effort will be made to make it the best June exhibition held by the society. There will also be prizes for greenhouse plants, fruits and vegetables.

The freight situation, so far as Newport is concerned, still shows effects of the strike. Though large quantities of freight are daily received by boat, the tie-up continues to affect the arrival of goods, and many articles shipped a long time ago from distant points still have not been received.

E. R. Morse has just received from the P. J. Berckmans Company, Augusta, Ga., some very choice orange and lemon trees. These trees, as well as some fine specimens of *Eremurus Himalaicus*, are in charge of D. J. Coughlin, the head gardener.

Siebrecht & Son, New York, have opened their store here on Bellevue avenue for the season. Ralph Armstrong, Jr., their manager, has been here a week, getting things in shape, and Mr. Siebrecht was also here for a few days.

The city council committee awarded the contract for one year's care of the Jewish cemetery to Eugene S. Hughes for \$100. As there is one-quarter acre of land in this cemetery, little can be done to it for this amount.

In every part of the city repeated complaints are made that the flower gardens are being despoiled. The thieves have been especially active in the Broadway district.

The park commissioners have had the tulips in the park beds taken up and geraniums set in their places for the summer.

A pair of fine palms in tubs were sold at auction last Thursday by Thomas Burlingham at Aquidneck hall.

F. W. Creighton, representing Henry A. Dreer, of Philadelphia, was here last week. X.

New Castle, Ind.

The South Park Floral Company was awarded the contract to furnish the flowers and decorations for the Indiana building at the World's Fair on dedication day, June 3. The order included 2,000 medium stem roses and 500 long stem Beauties. The contract aggregates about \$700. Heller Brothers shipped 400 American Beauties to St. Louis Monday night for the opening of a foreign building.

JOHNSTOWN, PA.—The partnership of Schrader & Schmidt, florists, has been dissolved, the former selling his interest to Wm. Schmidt, who will continue the business.

CLEVELAND, O.—The Cleveland Floral Company was incorporated May 27 with a capital of \$30,000, by C. W. Fuller, J. L. Bradley, L. R. Campbell, E. P. Hatfield and J. A. Kline.

LENOX, MASS.—The regular meeting of the Lenox Horticultural Society was held June 4 with President Jenkins in the chair. The discussion for the evening was "Early Flowering Perennials," and proved of great interest to the members, leading to lively discussion. The society has chosen June 23 as the date for the rose and strawberry show and anticipates a good exhibition.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

MUSA SAPIENTUM SANGUINEA is a hand-
some purple-leaved banana of recent in-
troduction. It is not inclined to produce
suckers, hence propagation is very slow.

GRANDIFLORA, white, and Campbell,
pink, are two of the best camellias for
general commercial use, says Thomas
Knight, Julius Roehrs' hustling repre-
sentative.

LEEA AMABILIS, a stove plant with
beautiful velvety bronze, white-ribbed
foliage, is being taken up by a few plant
growers, and is well worthy of a place in
every ornamental-foliage collection.

In sending in a change of address it is
important that the old address be given
as well as the new. This will greatly aid
us in locating your name on our mailing
list and cause no delay in making the
desired change.

ABOVE all the noise made by the striking freight
handlers can be heard President Mellen, of the
New York, New Haven and Hartford Railroad,
saying he'll see the public hanged before he'll
improve his train service, and President Baer, of
the Reading road, cheerfully telling us that he
will charge as much as he can for coal.—*New
York Evening Telegram.*

Between Mellen, Baer and the brown
tail moth the country is carrying an
ample burden.

Cocos Weddelliana appears to thrive
in its young state in the extra long pots
especially made to accommodate its long
fleshy root but growers who use many
of these little cocos for pan and fernery
work find the long root ball a great
inconvenience as none of the small pans
are made deep enough to receive it with-
out crushing and this is something the
cocos promptly protests against.

Department of Agriculture Yearbook.

We are in receipt of the Yearbook of
the Department of Agriculture for 1903,
which, as usual, contains much interest-
ing and valuable information. The pres-
ent volume contains some illustrations
of the proposed new buildings for the
department, with descriptive data.
Among the papers likely to be of interest
to our subscribers we note the following,
many of them profusely illustrated:
"Some Results of Investigations in Soil
Management," by F. H. King; "Relation
of Cold Storage to Commercial Apple
Culture," by G. Harold Powell; "Prepar-
ing Land for Irrigation," by R. P. Teele;
"Promising New Fruits," by William A.
Taylor; "Insect Injuries to Hardwood
Forest Trees," by A. D. Hopkins; "Culti-
vation of Drug Plants in the United
States," by Rodney H. True.

The Glass Situation.

The current issue of one of the glass
trade journals, Patton's Monthly, has
the following regarding present condi-
tions in the window glass market:

Contrary to expectation, so far as reported at
time of writing, comparatively few factories have
ceased operations in May, and this has decidedly
tended to weaken the market on window glass,
particularly as the demand has been very light
during the past month, and manufacturers admit
accumulating two or three hundred thousand
boxes in April and probably a larger quantity in
May. Unless the weather should be so warm as
to materially curtail glass making, or the work-
men should show more common sense than many
of their employers, or it should be realized that it
is for the interest of all concerned not to produce
a large quantity of glass beyond the legitimate
requirements of the country for a given period, it
is quite likely that much lower prices will prevail
during the summer months. Apparently many
manufacturers have been misled by the sensa-
tional reports of a prospective famine in window
glass and by experience of previous years, when,
during the shutdown, prices generally have
advanced.

The Edelweiss.

ED. AM. FLORIST:—I am sending you a
flower of edelweiss from a plant six years
old and should like to give your corre-
spondent, "A. Lange," some information
how we grow this plant here. We treat
it as a quite hardy perennial. The seeds
are sown early in February in boxes or
pans with sandy soil and then put out-
doors and left undisturbed. Generally
the seeds germinate from the end of
March to the middle of April. In this
state the seedlings need to be carefully
handled or they soon will damp off or dry
off. As soon as large enough they are
planted out two inches apart in a com-
post of leaf-mould, sand and mossy soil.
As a substitute peat can be used instead of
the latter. In June the plants will be large
enough to be potted singly in 4-inch pots
or to be planted out in the rock garden
or border. The soil now employed is the
same as before, adding some fine broken
mortar and brick rubbish. Without
such chalky rubbish the plants and flow-
ers will never be quite snowy white, but
a dirty greenish white. We always plant
the edelweiss on a southern exposure
where the plants get all the sun, but give
them on dry days a good soaking of
water. On the Alps the edelweiss is very
seldom found on a northern exposure or
in a moist location, but on chalky and
grassy mountain slopes with a southern
aspect. On the south side of a mountain
the edelweiss may be plentiful, yet on the
very same slope to the east or north not
a single plant is to be found. R.

Switzerland.

Greenhouse Heating.

ED. AM. FLORIST:—We are going to
erect 15,000 feet of glass and would like
the opinion of an expert as to what is
the best heating system—hot water or
steam. Also, how many pipes will be
needed to keep the temperature at from
52° to 68°. We have seen this thing dis-
cussed many times but thought there
might be some improved methods which
you could describe to us. A. N. Co.

For a range of the size mentioned,
steam will be found fully as satisfactory
and the installation will cost considerably
less than for a hot water plant. The
dimensions of the houses are not stated
and hence it will not be possible to sug-
gest any number of heating pipes. Under
average conditions it will be safe to esti-
mate that one square foot of radiating
surface will suffice to heat eight square
feet of glass to 52°; one to six will answer
for 60° and one to five for 68°. For
large plants it is a good idea to run the

boilers at 40 to 60 pounds pressure, and
reduce it to six or eight pounds pressure
in the houses. L. R. T.

Coming Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BOSTON, MASS., November 3-6, 1904.—Chrysan-
themum exhibition Massachusetts Horticultural
Society. W. P. Rich, Sec'y, Horticultural Hall,
300 Massachusetts avenue, Boston, Mass.

BOSTON, MASS., November 3-6, 1904.—Annual
exhibition Chrysanthemum Society of America.
Fred. H. Lemon, Sec'y, Richmond, Ind.

CHICAGO, November —, 1904.—Annual exhibi-
tion Horticultural Society of Chicago. E. A.
Kanat, Asst. Sec'y, 5700 Cottage Grove Avenue,
Chicago.

DOBBS FERRY, N. Y., November 11-12, 1904.—
Fourth annual flower show Dobbs Ferry Garden-
ers' Association. Henry Kastberg, Sec'y, Dobbs
Ferry, N. Y.

NEW YORK, N. Y., November 8-17, 1904.—
Annual exhibition American Institute of the
City of New York. Dr. Robert Taylor, Mgr.,
19-21 West Forty-fourth street, New York.

PHILADELPHIA, PA., November 8-12, 1904.—
Annual exhibition Pennsylvania Horticultural
Society. David Rust, Sec'y, Horticultural Hall,
Broad street, below Locust, Philadelphia.

PROVIDENCE, R. I., November 16, 1904.—Chry-
santhemum and carnation exhibition Rhoda
Island Horticultural Society. C. W. Smith,
Sec'y, 27-29 Exchange street, Providence.

URBANA, O.—A testimony of reverence
for the nation's martyrs was the gener-
ous floral tribute by North Urbana's
enterprising young florist, S. W. Carey.
All the flowers used in decorating the
monument were his contribution.

OBITUARY.

Theodore E. Buckbee.

Theodore E. Buckbee, father of Hiram
W. and John T. Buckbee, the well known
seedsmen of Rockford, Ill., died June 6,
aged 71 years. Mr. Buckbee was born at
Chili, near Rochester, N. Y., and went
west with his parents in 1845. He was
taken ill several weeks ago by an affec-
tion of the stomach, several hemorrhages
depleting his strength until it seemed he
must succumb, but his vitality kept him
alive beyond what had seemed possible.
He had served the city of Rockford in
many public capacities and was chair-
man of the republican town committee
for thirty years. See portrait, page 828.

Thomas Smith.

Thomas Smith, father of Archibald
Smith, manager of the seed department
of Joseph Breck & Sons Corporation,
Boston, Mass., died at Blackpark, Stran-
raer, Scotland, May 18. For over half
a century Mr. Smith was one of the
stalwart figures of the Rhins of Galloway
says an English paper, and for integrity
and uprightness was highly respected by
his numerous acquaintances. He was
famed throughout the united kingdom as
a grower of roses, and took many of the
leading awards at the principal horticul-
tural exhibitions. Mr. Smith was the
oldest nurseryman in Scotland, and was
in eighty-fourth year.

Lucius H. Foster.

Lucius H. Foster died at his home in
Dorchester, Mass., on Tuesday, May 31,
aged 57 years. Mr. Foster had been in
poor health for some time from a stroke
of apoplexy and it was a recurrence of
this malady that caused his sudden
death. He leaves one daughter, Miss E.
P. Foster. Mr. Foster was known
widely as the introducer of the Anna
Foster fern. His greenhouses for the past

two years had been devoted largely to the propagation of this novelty and to bedding plant culture. For many years he was noted for his success with violets, but of late had to abandon this specialty on account of the prevalent disease. He was brought up in the plant business, his father having been one of the pioneers in this line for the Boston market, and for the last thirty-five years he had been a well known and highly respected member of the fraternity, taking part in the affairs of the Gardeners' and Florists' Club, especially in its earlier years, and serving it well in a number of official capacities. He was a man of strict integrity and had the unqualified respect of all with whom he had business relations.

August Schmitt.

The untimely death of August Schmitt, deprives Cleveland and Glenville of one of their oldest and most successful florists. No man will be missed more than he. His sterling qualities, his gentle and kind nature endeared him to all. No man was more ready to extend a helping hand to the needy. To know the man was to love him. His keen business acumen and honest, upright dealings were known to the members of the craft far and near. His home surroundings could not be more congenial and his whole thoughts were for the comfort of his family and friends. His business was established on a sound basis, the past season having proven one of the best he ever had. A thorough knowledge of the florists' work enabled him to produce some of the best stock sold in the Cleveland market. At the time of his death he was president of the Florists' Club, of which he had been an active member since its inception. The funeral took place June 4 and was largely attended by florists and other friends of the family. The deceased was buried in Lake View cemetery. Mr. Schmitt was born in Stotzheim, Alsace, May 18, 1841. He entered the French army in 1862 and served as a sergeant until 1868. He was married to Salome Miller, March 1, 1870. Three years later he came to Cleveland where he shortly after established his present place of business in Glenville. He leaves a widow and three children, a son, Charles August, born in Strasburg, Mathilde Salome, and Lucile Easter, born in Cleveland. The business will be conducted on the same lines by his son Charles.

ECHO.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By salesman, also experience in rose growing and put plants. Address X PHILADELPHIA, care American Florist.

Situation Wanted—On a first-class establishment by an experienced and successful American Beauty grower. Address K D E, care American Florist.

Situation Wanted—By experienced grower of cut flowers. Carnations and mums a specialty. Competent to take charge; strictly sober and reliable; married. References. Address G M, care American Florist.

Situation Wanted—As working foreman; first-class Beauty and carnation grower; used to handling help; married; life experience. First-class references, etc. Address Z K Y, care American Florist.

Situation Wanted—In florist store, good designer and plant salesman and all-around storeman; 9 years in last position. Eastern states preferred. Address JOHN PRICE, Waverly House, Charlestown, Mass.

Situation Wanted—By first-class grower of cut flowers; also bedding plants, palms, ferns, etc.; 20 years' experience; competent to take charge; 37 years of age; single. Address FLORIST, 1652 N. Halsted St., Chicago.

Situation Wanted—By a good rose grower; 11 years' experience in large establishments where good stock is grown. West or southwest preferred. State wages. Address B. LIPMAN, 1229 Webster Ave., New York.

Situation Wanted—By young man 19 years old, with six months' experience in retail store; also some experience in growing department. Would accept position in greenhouse, with position in store in view. Address E W, care American Florist.

Situation Wanted—As foreman, by first-class grower of cut flowers and plants—cut flowers only, and wholesale preferred. Has had life experience. Capable of taking entire charge of large place. First-class references. Address FLORIST, 1323 Vine St., Philadelphia, Pa.

Situation Wanted—An American, at present employed, of unusual business ability, desires a first-class situation or working interest in some good establishment or will accept traveling position. A No. 1 grower and propagator either in greenhouses or nursery and good ability at landscaping. First-class references. COMPETENT, care American Florist.

Help Wanted—Foreman for nursery. Address M P, care American Florist.

Help Wanted—Good carnation grower; single man. Apply at once with full particulars. Nic. ZWEIFEL, North Milwaukee, Wis.

Help Wanted—By June 20, experienced man for general greenhouse work; must be sober, reliable and a good worker. One with some experience in greenhouse building preferred. Wages \$12.00 per week. References required. J. A. BISSINGER, Lansing, Mich.

Help Wanted—An up-to-date florist, who has from \$500 to \$5,000 to invest in an established greenhouse business of growing cut flowers. State wages wanted and give references, as to character and ability as a grower. Address BUSINESS, care American Florist.

Help Wanted—At once, a thoroughly practical man to take charge of a fern and asparagus growing establishment; also to hire and discharge men. None but an energetic man with first-class references need apply. Address Mrs. D. FISHER, Woburn, Mass.

Help Wanted—A splendid opportunity for a capable and reliable florist, to take full charge of 15,000 feet of glass. Must be a good grower of cut flowers and plants for retail trade. Only those with full qualifications need apply. Send references and wages wanted with room and board. FRED. J. KING, Ottawa, Ill.

Wanted to Buy—About 10,000 to 15,000 square feet of glass in good condition, vicinity of Chicago preferred. \$800 cash balance on time. Address H D, care American Florist, Chicago.

Wanted—A great opening in Iowa; a place of 8,000 inhabitants and no greenhouse in it. I am looking for parties with money to invest in the business; they furnish the cash and I the knowledge, or they start me up and I pay off in payments. A SURE TAINO, care American Florist.

Wanted Partner—With money to develop and enlarge a good paying business; 3,600 feet of glass, want to double or treble size of plant. It is too small for present needs. Population 4,000. Other towns in easy reach. Partner who understands gardening preferred. For particulars, address Box 276, Richmond, Mo.

For Rent—4,000 square feet of glass; good location. 1309 5th St., Milwaukee, Wis.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. JAS. RICHARDSON, London, O.

For Sale—A rare bargain, about 6,000 feet of glass in a Kansas natural gas town of 12,000 inhabitants. Very little competition. Anyone looking for a snap should investigate this. Two reasons for selling. Address R H, care American Florist.

For Sale—Florist and market gardening place at auction, 10:00 a. m. Thursday, June 23; 7,000 feet of glass, steam heat, house, barn, 25 acres land, stock, tools, crops, near 15,000 population, on electric road. Fine chance. A. F. JOHNSON, Gardner, Mass.

For Sale—Cheap if sold at once; reason for selling, owner leaving country; six greenhouses, cold frames, covering 15,000 feet of glass; well stocked, doing wholesale and retail business; 5-room dwelling house. Address A. SVENSON, 56 Central Ave., East Providence, R. I.

For Sale—Set of drawer shelving 6x12 feet, 88 drawers, 4 to 8 inches deep, 16 inches long, holding 2, 4 and 6 gallons of seeds respectively, with 8 bins underneath, 2x2½x12 feet. Made of 1-inch stuff, chestnut facing and drawer pulls. THE EVANSVILLE SEED CO., Evansville, Ind.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address SAMUEL J. BURNING, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—General florist and gardening property, established twenty years, at Grand Haven, Mich., about eight acres, muck and sand, twelve houses, 22,000 feet of glass, steam, dwelling, barn and canning factory. Must be sold by order of the court, June 18th. Address J. CHAS. ROSS, South Union St., Grand Rapids, Mich.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 11 large greenhouses, 20 lots 125 feet deep, 500 feet frontage, fine dwelling house, etc., with modern conveniences; plenty of water and coal; good soil; everything in first-class order; all new. Have other business; have to give this up. There is money in it. I have made money, so can you. Try it. Terms reasonable. W W, care American Florist.

Flower Seed Man

WANTS POSITION as manager of the flower seed and bulb department of a prominent firm doing a general retail and wholesale business. 20 years' thorough, practical and commercial experience in flower seeds and bulbs; well up in composition of catalogues and advertising. Position must be permanent. Address "Flowerman, care Am. Florist, 42 West 28th St., New York.

PROPAGATOR

WANTS POSITION as foreman of the propagating department of a prominent firm doing a wholesale business. Many years' thorough, practical experience in grafting and budding, especially in evergreens, shrubs and conifers. Is able to keep full crops all the year round. Position must be permanent. Address PROPAGATOR, care Am. Florist, 42 West 28th St., New York.

FOR SALE, A Rare Opportunity. The greenhouse department of an Illinois nursery firm, covering about 30,000 feet of glass; located on electric street car line and three paved streets; eight minutes ride from court house. Good local and mail order trade. Established over fifty years. Population 30,000; four railroads; American and U. S. Express Co's. Only two other florists in city. Parties desire to sell on account of other interests. Address P, care American Florist.

Greenhouses For Sale.

Fine location in Waltham, Mass. Established retail business, 6,350 square feet of glass, work room, stable, etc. Two acres of good land. Horizontal tubular boiler, new last fall. All to be sold at a very low figure. Inquire of

ANNA W. KIDDER, Waltham, Mass.

IN OKLAHOMA

Our business, Nursery, Seed and Floral, has grown up to our full financial capacity and is still expanding. We want more capital to use in it. Will take a partner with money to invest who can furnish A1 references, or we give good security for a loan. Correspondence solicited.

THE STILES CO.,
Seedsmen, Nurserymen, Florists,
OKLAHOMA CITY, OKLA

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave.,CHICAGO.

Please mention the American Florist when writing.

Wholesale Flower Markets

MILWAUKEE, June 9.

Roses, Beauty, long per doz.	3.00
" " med. " 1.50@ 2.00	
" " short.....	4.00@ 8.00
" Bride, Bridesmaids.....	4.00@ 6.00
" Meteor, Golden Gate.....	4.00@ 6.00
" Perle.....	4.00@ 6.00
Carnations.....	1.00@ 2.00
Smilax.....	15.00
Asparagus.....	35.00@50.00
Valley.....	3.00
Harrisii.....	12.50
Peonies.....	4.00@ 6.00
Sweet peas.....	.50@ .75
Adiantum.....	1.00@ 1.50

PITTSBURG June 9.

Roses, Beauty, specials.....	20.00@35.00
" " extras.....	10.00@15.00
" " No. 1.....	6.00@ 8.00
" " ordinary.....	3.00@ 5.00
" Bride, Bridesmaid.....	2.00@ 8.00
" Meteor.....	2.00@ 6.00
" Liberties.....	3.00@12.00
" Kaiserin.....	2.00@ 8.00
Carnations.....	.75@ 3.00
Lily of the valley.....	1.00@ 4.00
Smilax.....	12.50@15.00
Asparagus, strings.....	30.00@50.00
Asparagus Sprenger.....	2.00@ 3.00
Lilies.....	6.00@12.00
Candy Tuft.....	1.50@ 2.00
Daisies.....	.50@ 1.00
Gladioli.....	6.00@10.00
Peonies.....	3.00@ 4.00

CINCINNATI, June 9.

Roses, Beauty.....	2.00@ 6.00
" Bride, Bridesmaid.....	2.00@ 5.00
" Liberty.....	4.00@ 8.00
" Meteor, Golden Gate.....	4.00@ 8.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	15.00
Adiantum.....	1.00@ 1.50
Violets.....	.50
Narcissus.....	3.00
Romans.....	3.00
Harrisii.....	8.00@12.50
Calla.....	6.00@10.00

ST. LOUIS, June 9.

Roses, Beauty, long stem.....	1.50@2.50
" Beauty, medium stem.....	1.00@1.50
" Beauty, short stem.....	.35@ 1.00
" Bride, Bridesmaid.....	2.00@ 4.00
" Golden Gate.....	2.00@ 4.00
Carnations.....	1.10@ 2.00
Smilax.....	15.00
Asparagus Sprenger.....	2.00@ 3.00
" Plumosus.....	25.00@50.00
Ferns, Dagger per 1000 1.50	
Callas.....	8.00@10.00
Harrisii.....	8.00@10.00
Adiantum.....	1.00
Peonies.....	3.00@ 3.50
Sweet peas.....	.25@ .50

C. A. KUEHN, Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Peonies! Peonies! Peonies!

We have the finest lot and best assortment of Fancy Peonies that come to this market. We handle them by the car load.

Our **FESTIVA MAXIMA**, "White," has flowers very double, 6 to 8 inch diameter, stems 3 feet long. Price, **\$8.00 per 100.**

ASSORTED PEONIES, all colors, fine stock, **\$3.00 to \$6.00 per 100.**

Later we shall have the fancy large-flowered variety, **R. R. SUPER8A**, which you must have.

AMERICAN BEAUTY	Per Dozen.		Per 100
36-inch stems.....	\$5.00	Valley.....	\$2.00 to \$4.00
24 to 30-inch stems.....	2.50	Harrisii.....	10.00 to 12.50
18 to 24 ".....	1.50 to 2.00	Asparagus Sprenger, sprays.....	2.00 to 4.00
12 to 18 ".....	1.00	" Plumosus, string, 50c each	
	Per 100	Fancy Ferns..... per 1000, \$3.00	.35
Bride and Maid.....	\$4.00 to 6.00	Galax, Bronze, Green, 1000, \$1.25	.15
Golden Gate.....	4.00 to 8.00	Adiantum.....	1.00
Liberty, Chatenay.....	6.00 to 12.00	Smilax.....	15.00 to 20.00
Carnations.....	1.00 to 2.00	Sweet Peas.....	.50 to 1.00

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

NOTICE TO THE TRADE.

PETER WEILAND,

Successor to Reinberg & Welland

Has leased Room 18, 128 East Third Street, Cincinnati, O., for Wholesale Business. The greenhouses at New Castle, Ind., are planted with American Beauty, Bride and Bridesmaid Roses, four benches of Asparagus and one bench of Sweet Peas. I also have a field of 4,000 Peonies, which will produce from 40,000 to 50,000 flowers, ready to pick from June 1.

PRICE LIST.

AMERICAN BEAUTY,	Per Doz.		Per 100
36-inch stems.....	\$3.00	BRIDESMAID , long.....	\$4.00
24 to 30-inch stems.....	2.50	" " medium.....	3.00
12 to 18-inch stems.....	\$1.00 to 1.50	" " short.....	2.00
	Per 100	PEONIES	\$4.00 to 6.00
Short stems.....	\$2.50	ASPARAGUS	
BRIDE , long.....	4.00	Plumosus, sprays 50c per bunch.....	3.00
" " medium.....	3.00	Sprenger, sprays.....	3.00
" " short.....	2.00		

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Pittsburg Florist Exchange

WHOLESALE FLORISTS.

243 Diamond St., Pittsburg, Pa.

CONSIGNMENTS SOLICITED.

WM. MURPHY,

Grower and Commission Dealer In

Cut Flowers and Florists' Supplies,

128 East Third St., CINCINNATI, O.

'Phones, Main 980. West 1191-R.

Brant & Noe Floral Co.,

CROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

H. G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

SUCCESSFUL SELLERS.....

are the successful growers who advertise in

THE AMERICAN FLORIST.

PEONIES FOR JUNE WEDDINGS AND COMMENCEMENTS

These are the popular flowers of the season. We can fill all orders with choice stock at \$3.00 to \$4.00 per 100.

Asparagus is scarce but we have plenty of Smilax, \$2.00 per dozen; \$15.00 per 100. Plenty of New Common Ferns.

ALL CUT FLOWERS IN SEASON.

—SEND US 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, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 36-inch stem.....	\$3.00
24-inch stem.....	2.50
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	1.00
Short stems, \$4.00 to \$5.00 per 100	
	Per 100
Bride, Maid, Meteor and Gate...	\$3.00 to \$ 6.00
Liberty.....	4.00 to 8.00
Roses, our selection.....	2.00
Carnations.....	1.00 to 1.50
" large and fancy.....	2.00 to 3.00
Peonies.....per doz., 35c to 50c	
Valley.....	2.00 to 4.00
Poet Narcissus.....	1.00
Mignonette, per doz.....35c to 50c	
Sweet Peas.....	.50 to .75
Forget-me-nots.....	.50 to 1.00
Marguerites.....	.50 to .75
Callas, per doz.....\$1.00 to \$1.25	
Harrisii, per doz..... 1.00 to 1.50	
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns.....per 1000, \$3.00	.30
Galax.....per 1000, 1.25	.15
Adiantum.....	.75 to 1.00
Smilax.....per doz., \$2.00	
Leucothoe Sprays.....	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

WHOLESALE FLORISTS

CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Frank Garland, Wholesale Grower of CUT FLOWERS.

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS.**
Room 218, 51 Wabash Avenue.
Telephone Central 3284. CHICAGO.

A. L. RANDALL CO. Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**

Room 218, 51 Wabash Ave., A'las Block, Chicago.

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.

It is good business policy to mention

The... **AMERICAN FLORIST**

When you write to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **WHOLESALE GROWER of CUT FLOWERS**
A Specialty.....

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, June 10.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 "	2.00@2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	4.00@ 8.00
" " extra select.....	10.00@ 12.00
" Chatenay.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 1.50
" fancy.....	2.00@ 3.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@6.00	
" Sprengeri.....	3.00@ 6.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
" Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns..per 1000 3.00@ 4 00	
Smilax.....	15.00@20.00
Callas.....	1.00@ 1.25 per doz.
Harrisii.....	1.00@ 1.50 "
Sweet peas.....	.75@ 1.00
Peonies.....	3.00@ 5.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telephone and telegraph orders given prompt attention.

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.

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: 35-37 Morton Grove, Ill. Randolph Street, CHICAGO, ILL.

Please mention the American Florist when writing.

WEILAND - AND - RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

TIFFIN, O.—A. F. Smaltz is building three houses, two 25x50 feet and one 20x115.

Leo Niessen

FOR JUNE WEDDINGS and COMMENCEMENTS,
VALLEY, BEAUTIES, SWEET PEAS.

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

N. F. McCarthy & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET,

15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA, THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones. Please mention the American Florist when writing.

THOMAS YOUNG, Jr. WHOLESALE FLORIST.

CHOICEST CUT FLOWERS. 43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

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.

Please mention the American Florist when writing.

N. Lecakes & Co.

53 W. 28th St., and 45 W. 29th St., Also at 26th St. and 34th St. Markets

NEW YORK. FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES, 75c per 1000; \$3.00 and \$5.50 per case of 10,000.

Princess Pine and all kinds of Evergreens. Telephone 1214 Madison Square.

Please mention the American Florist when writing.

PROVIDENCE, R. I.—The rose and strawberry exhibition of the Rhode Island Horticultural Society will be held June 21 and 22.

New Crop Dagger Ferns. \$1.50 Per 1000.

Discounts on large orders. We carry the finest and most complete stock of Florists' Hardy Dagger Ferns A No. 1 quality. Bronze and Green Galax \$1.00 per 1000, A No. 1 quality. Southern Wild Smilax, 50 pound case, \$7.00; 25 pound case, \$3.50 per case. Laurel Festooning, good and full, 5c and 6c per yard. Leucotboe Sprays, \$1.00 per 100. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Order by mail, telegraph or telephone will receive our personal and prompt attention. Long Distance Phone 2618 Main.

HENRY M. ROBINSON, No. 11 Province St., BOSTON, MASS.



Wholesale Flower Markets

Boston, June 8.

Roses, Beauty, extra.....	8.00@15.00
" " medium.....	5.00@ 6.00
" " culls.....	1.00@ 3.00
" " Bride, Bridesmaid.....	1.00@ 3.00
" " extra.....	4.00@ 6.00
" " Liberty.....	2.00@ 6.00
Carnations.....	.50@ 1.00
" " Fanny.....	1.50@ 2.00
Lily of the valley.....	2.00@ 4.00
Harrisii lilies, Calla.....	4.00@ 6.00
Smilax.....	12.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Peas.....	.25@ .50

PHILADELPHIA, June 8.

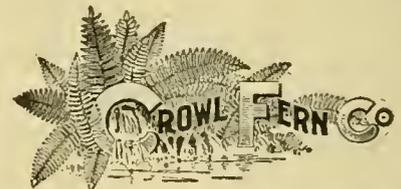
Roses, Tea.....	3.00@ 5.00
" " extra.....	6.00@ 8.00
" " Beauty, extra.....	10.00@16.00
" " firsts.....	6.00@ 8.00
" " Queen of Edgely, extra.....	10.00@16.00
" " firsts.....	6.00@ 8.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Snap Dragon.....	4.00@ 6.00
Sweet peas.....	.50@ .75
Peonies.....	3.00@ 6.00

BUFFALO, June 9.

Roses, Beauty.....	3.00@25.00
" " Bride, Bridesmaid, Meteor.....	2.00@ 3.00
Carnations.....	1.00@ 3.00
Harrisii.....	5.00@ 8.00
Lily of the valley.....	1.00@ 3.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.50@ 1.00
Callas.....	5.00@ 8.00
Sweet Peas.....	.40@ .75

NEW CROP DAGGER FERNS

75c per 1000. Fancy Ferns, \$1.25 per 1000. Galax, bronze or green, 75c per 1000. Use our Mountain Laurel for your decorations, 4c, 5c and 6c per yard. Made fresh daily from the woods. Flowering Laurel in its season. Can ship large or small lots, 50c for a nice bunch with lovely pink blossoms. Just what you want for your June decorations.



Tel. Office, New Salem, Mass. Millington, Mass.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration) Write, Wire or Phone the Introducing, CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

THE AMERICAN FLORIST.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Telephone 2035 Madison Sq. **Wholesale Florists.**

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH
Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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 209 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
115 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. New York.
Cut Flower Exchange.

OPEN 6:00 A. M.

An Unequaled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

Traendly & Schenck
NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, June 8.

Roses, Beauty, Liberty, best.....	8.00@12.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 1.00
" " Bride, Bridesmaid, G. Gate.....	.50@ 5.00
" " Kaiserin, Carnot.....	2.00@ 6.00
Carnations.....	.25@ 1.00
" " fancy and novelties.....	1.50@ 3.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	2.00@ 4.00
Smilax.....	10.00@15.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	1.00@ 2.00
Peonies.....	1.00@ 4.00
Gardenias.....	5.00@10.00
Stocks.....	.10@ .25 per bun.
Sweet peas.....	.01@ .03 per bun.
Moss Roses.....	.75@ 1.00 per bun.

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship
ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Always mention the American Florist when you order stock.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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 1664 and 1665 Madison Square.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments:
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St.
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

**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.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873. L. Dist. Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Campania	1	Sat. June 18, 10:00 a. m.	June 25
New York	"	Etruria	1	Sat. June 25, Noon.	July 2
Boston	"	Saxonia	1	Tues. June 21, 4:00 p. m.	June 28
New York	Glasgow	Laurentian	2	Thur. June 23, Noon.	July 3
Montreal	Liverpool	Bavarian	2	Sat. June 18,	June 26
Montreal	"	Parisian	2	Sat. June 25,	July 3
New York	Hamburg	Auguste Victoria	3	Thur. June 16, 10:00 a. m.	June 26
New York	"	Bleucher	3	Thur. June 23, 10:00 a. m.	July 3
New York	"	Pennsylvania	3	Sat. June 26, 3:00 p. m.	July 5
New York	Genoa	Prinz Adalbert	3	Sun. June 26, 10:00 a. m.	July 11
New York	Copenhagen	Island	4	Sat. June 18, 2:00 p. m.	June 28
New York	"	Oscar II	4	Wed. June 22, 2:00 p. m.	July 2
New York	Glasgow	Anchoria	5	Sat. June 18, Noon.	June 28
New York	"	Columbia	5	Sat. June 25, 4:00 p. m.	July 6
New York	London	Minneapolis	6	Sat. June 18, 9:00 a. m.	June 28
New York	"	Mesaba	6	Sat. June 25, 9:00 a. m.	July 5
New York	Liverpool	Cedric	7	Wed. June 15, 6:00 a. m.	June 22
New York	"	Majestic	7	Wed. June 22, 10:00 a. m.	June 29
New York	"	Arabic	7	Fri. June 24, 3:00 p. m.	July 1
Boston	"	Cymric	7	Thur. June 16, 11:00 a. m.	June 23
Boston	Genoa	Romanic	7	Sat. June 18, 1:00 p. m.	July 2
New York	Southampton	Philadelphia	8	Sat. June 18, 9:30 a. m.	June 25
New York	"	St. Louis	8	Sat. June 25, 9:30 a. m.	July 2
New York	Antwerp	Zeeland	9	Sat. June 18, 10:30 a. m.	June 27
New York	"	Finland	9	Sat. June 25, 10:30 a. m.	July 4
New York	Havre	La Gascogne	10	Thur. June 16, 10:00 a. m.	June 25
New York	"	La Savoie	10	Thur. June 23, 10:00 a. m.	July 2
New York	Rotterdam	Potsdam	11	Tues. June 14, 10:00 a. m.	June 24
New York	"	Rotterdam	11	Tues. June 21, 10:00 a. m.	July 1
New York	Genoa	Sicilia	12	Tues. June 14,	June 29
New York	"	Lombardia	12	Tues. June 21,	July 6
New York	Bremen	Kaiser Wilhelm II	13	Tues. June 14, 6:00 a. m.	June 21
New York	"	Barbarossa	13	Thur. June 16, Noon.	June 26
New York	"	K. Wil. Der Grosse	13	Tues. June 21, 10:00 a. m.	June 28
New York	"	Frdk. Der Grosse	13	Thur. June 23, 1:00 p. m.	July 3
New York	Genoa	Konig Albert	13	Sat. June 25, 11:00 a. m.	July 8
Boston	Liverpool	Bohemian	14	Wed. June 15, 10:30 a. m.	June 25
Boston	"	Canadian	14	Wed. June 22, 5:00 a. m.	July 2
Montreal	"	Cambroman	15	Sat. June 18,	June 28
Montreal	"	Canada	15	Sat. June 25,	July 4

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

**JOHN BREITMEYER'S
SONS**

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

**The Park
Floral Co.**

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Lucania	1	Sat. June 18	June 24
Liverpool.....	"	Umbria	1	Sat. June 25	July 1
Liverpool.....	Boston	Ivernia	1	Tues. June 21	June 28
Glasgow.....	New York	Numidian	2	Sat. June 18	June 28
Glasgow.....	"	Mongolian	2	Sat. June 25	July 5
Liverpool.....	Montreal	Tunisian	2	Thur. June 16	June 24
Liverpool.....	"	Pretorian	2	Thur. June 23	July 1
Hamburg.....	New York	Moltke	3	Thur. June 16	June 25
Hamburg.....	"	Deutschland	3	Thur. June 23	June 30
Hamburg.....	"	Pretoria	3	Sat. June 25	July 5
Genoa.....	"	Prinz Oskar	3	Sat. June 25	July 10
Copenhagen.....	"	United States	4	Wed. June 15	June 25
Copenhagen.....	"	Norge	4	Wed. June 22	July 2
Glasgow.....	"	Furnessia	5	Thur. June 16	June 28
Glasgow.....	"	Ethiopia	5	Thur. June 23	July 3
London.....	"	Minnetonka	6	Sat. June 18	June 28
London.....	"	Minnehaha	8	Sat. June 25	July 5
Liverpool.....	"	Oceanic	7	Wed. June 15	June 22
Liverpool.....	"	Teutonic	7	Wed. June 22	June 29
Liverpool.....	"	Celtic	7	Fri. June 24	July 1
Liverpool.....	Boston	Cretic	7	Thur. June 16	June 23
Liverpool.....	"	Republic	7	Thur. June 23	June 30
Naples.....	"	Canopic	7	Wed. June 15	June 27
Southampton.....	New York	Germanic	8	Sat. June 18	June 25
Southampton.....	"	St. Paul	8	Sat. June 25	July 1
Antwerp.....	"	Vaderland	9	Sat. June 18	June 28
Antwerp.....	"	Kroonland	9	Sat. June 25	July 5
Havre.....	"	La Bretagne	10	Sat. June 18	June 27
Havre.....	"	La Lorraine	10	Sat. June 25	July 4
Rotterdam.....	"	Noordam	11	Sat. June 18	June 28
Genoa.....	"	Liguria	12	Mon. June 13	June 28
Bremen.....	"	Kronprinz Wilh.	13	Tues. June 14	June 21
Bremen.....	"	Grosser Kurfuerst	13	Sat. June 18	June 28
Bremen.....	"	Prinzess Alice	13	Sat. June 25	July 5
Genoa.....	"	Konigin Louise	13	Thur. June 16	June 29
Liverpool.....	Boston	Wioifredian	14	Sat. June 18	June 28
Liverpool.....	"	Devoian	14	Sat. June 25	July 5
Liverpool.....	Montreal	Vancouver	15	Thur. June 23	July 3

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.	\$3.00
" " 30-in. "		2.50
" " 20-24 "		2.00
" " 15-18 "		1.50
" " Short stems.....		.75 to 1.00
Per 100		
SUNRISE.....	\$5.00 to \$7.00	
CHATENAY.....	6.00 to 10.00	
BRIDE.....	3.00 to 6.00	
BRIDESMAID.....	3.00 to 6.00	
PERLE.....	3.00 to 6.00	
CARNATIONS.....	1.50 to 2.00	
ROSES, OUR SELECTION.....	4.00	

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

Please mention the American Florist when writing.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS

And Dealers in **FLORISTS' SUPPLIES**
All Kinds of

At Chicago Market Rates.

42-44 E. Randolph St., CHICAGO.

Galax, Brilliant Bronze or Green, selected stock, \$1.00 per 1000; \$3.75 per 5000. Leucothoe Sprays, assorted sizes, \$1.00 per 100. Rustic Hanging Baskets, Best make, 8-in., 10-in., 12-in. bowl, each, 50c, 75c, \$1.00. ALL KINDS OF FLORISTS' SUPPLIES.

Tel. 597 Madison Square. **L. J. KRESHOVER,**
110-112 W. 27th St., New York.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.

NICKEL PLATE. The New York, Chicago & St. Louis R.R.	NO EXCESS FARE ON ANY TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sundays at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colorad porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, address 7, 113 Adams St., Chicago, Ill.

FOR June Weddings AND COMMENCEMENT EXERCISES. PEONIES

We are large handlers of this old favorite flower and can supply them in any quantity.

\$2.00 to \$5.00 per 100, according to quality and variety.

LILY OF THE VALLEY, Fancy Selected.

SWEET PEAS, all colors. ASPARAGUS PLUMOSUS, SMILAX, ROSES, CARNATIONS, Etc.

HEADQUARTERS FOR HARDY FERNS.

A DAILY CUT FROM 40 CROWERS. "Highest Quality" as well as "Under Grades" at ruling market quotations. We can and will supply your Cut Flower wants to advantage. We carry the most complete line of Florists' Supplies in the West. Catalogue Free.

E. F. WINTERSON CO.

E. F. WINTERSON. JOHN P. DEGNAN. L. H. WINTERSON. Successors to McKellar & Winterson.
45-47-49 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Fancy Roses Everything Fancy Carnations

PITTSBURG CUT FLOWER COMPANY, Ltd.,
504 Liberty Avenue, PITTSBURG, PA.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

REPORTS from Rocky Ford, Col., indicate good crops of melons.

VISITED CHICAGO: Robert Fulton, with Henry & Lee, of New York, enroute to Japan.

IN EUROPE: Ralph M. Ward, William Hagemann and Charles F. Meyer, all of New York.

PLANTINGS of sweet corn by canners and others in the west are showing poorly. There has been as yet no real corn weather.

A NOTICE of the death of Theodore E. Buckbee, father of Hiram W. and John T. Buckbee, will be found in our obituary column, page 820

ONION sets at Chicago are now growing well even on low land if fairly well drained. Some patches on high ground suffered from maggot during the cool weather two weeks ago. The sets are now five to six inches high.

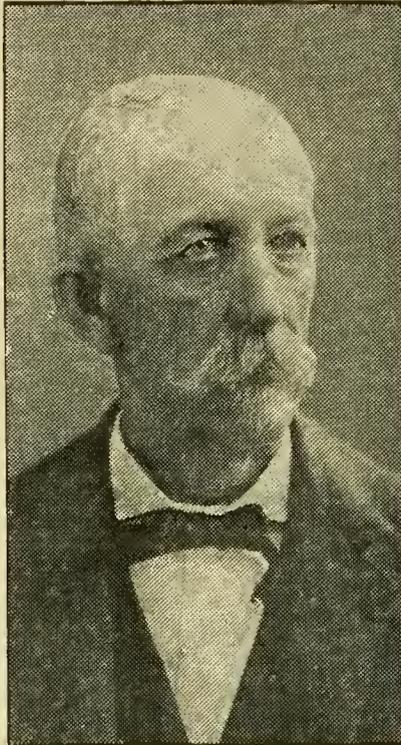
J. C. ROBINSON shipped a lot of corn to Illinois Thursday morning by express, says the Waterloo, (Neb.) Gazette, of May 27, 1904. It was probably the largest shipment ever made from here by express, weighing 7,643 pounds, 174 bushels, or nearly a third of a car. At this time of year though, seeds have to hurry a little, so take the fastest.

Algerian Sweet Peas.

Towards the end of last summer a gentleman from Algiers staying in England gave my employer seeds of half a dozen varieties of sweet peas, showing colors which he had obtained from cross-breeding our English varieties with those he had growing already, says a correspondent of the Gardeners' Chronicle. He told me that they were quite distinct in point of earliness from our own varieties, and were grown in his garden in Algiers, flowering a month earlier under the same conditions. Having to provide sweet pea flowers for cutting during the London season I sowed these Algerian and English varieties on the same day; they have been grown side by side, and were afforded identical treatment, standing on the floor of a cool peach house all the winter. The result is now apparent; the Algerian varieties fully bear out all that was promised of them. They are from three weeks to one month ahead of the English varieties, and if the colors are not quite so bright, the size of the flowers leave nothing to be desired. I enclose growing haulm of each. The Algerian varieties are quite distinct in foliage from our own; in growth they look more like the everlasting pea, while their precocity is apparent. The editor of the above journal adds: "These peas are remarkable for the harder character of the leaves as well as for their greater earliness. The prevailing colors in the flowers are rose, purple and blue. The standards of many of them are two inches across, and they are delightfully fragrant."

French Bulbs.

It is reported that at the meeting of the French growers, known as Syndicate Defenses des Interests Agricoles, held May 17, which was an adjournment of two meetings which should have been held in April, it was decided after considerable discussion to fix prices. This was done on a basis of 90 francs for white Roman hyacinths 12 ctm. and above. Effort was made to delay fixing the prices until the arrival of an American buyer who had been negotiating for control of the crop and who was expected May 25. Prices were, however, fixed as above to enable other French dealers to go ahead



The Late Theodore E. Buckbee.

(See obituary, page 820.)

with buying if they desired to do so. The delay of the prospective buyer was explained as occasioned by his efforts to secure all American orders and prevent French jobbers from getting the business. The president of the syndicate urged growers to maintain prices firmly and hung much hope on the coming of the American buyer. The above conditions together with some continued dry weather are said to make firm or higher prices probable.

British Trade Notes.

Arrangements have now been made for trials of potatoes in various parts of the country by the National Potato Society, which came into existence a few months ago. The trials will be under the supervision of the horticultural superintendent in the various counties and the choice of different soils in all parts of England will allow of some interesting comparisons being made when the experiments are completed. The latest development of the now famous Eldorado potato brought out by A. Findlay, a Scottish raiser, has been its appear-

ance in a law court. W. J. Atkinson, a Lincolnshire grower, lately sued Mr. Findlay in a Scotch court. The former alleged that in December last Mr. Findlay agreed to supply him with fourteen pounds of Eldorados for 14 guineas, but the transaction was disputed. The sheriff, however, decided in favor of Mr. Atkinson, who has now received the potatoes, paying 14 guineas for them. At their present market value they are worth about £2,000. This high price has caused the Lincolnshire growers to turn their attention to raising potato plants in pots under glass. J. T. White & Sons, nurserymen, of Spalding, have now about 15,000 plants under glass, each the growth of a single stem from the shoot of a tuber. Mr. White does not think that the constitution of the stock is in the least impaired by this process of culture. On the contrary he believes that this mode of propagation is such as will give one plant space and air in which to do its individual work without being cramped. About ten thousand Eldorado plants are being cultivated and as these are worth £4 the business is evidently a profitable one. Other varieties which are also being cultivated in this fashion are Sim Gray, Johnson's Diamond, Sutton's Discovery and Vermont Gold Coin, the last named being an American introduction of E. L. Coy, now being extensively tried in Lincolnshire.

The profitable business of mushroom culture is receiving greater attention in this country than was formerly the case. At one time the French growers enjoyed a monopoly of the business, but this is no longer the case. About ten years ago a book was published showing that J. F. Barter, of Sudbury, Middlesex, was able to make an actual profit of £950 an acre. When Mr. Barter was interviewed some time ago he stated that this huge profit was not now obtainable. He added: "Competition has lowered prices quite twenty-five per cent and the cost of labor has risen ten per cent." At the same time a good profit can still be made by mushroom growing conducted on intelligent lines. Besides the immense quantities of mushrooms cultivated, Mr. Barter is very successful as a manufacturer of spawn. Large quantities of this are imported by him to America every year. R. E. Addey, of Brentford is also a reliable maker and importer. Mr. Addey once told me that for an experiment he sent some mushrooms to New York, where they arrived in a sound condition, realizing about 4 shillings a pound. That the business is easily picked up is attested by the fact that C. W. Gedney, of Bromley, Kent, who formerly owned a newspaper and has now turned mushroom grower, in a short time has been able to make a profit of £500 an acre. The effect of this announcement may possibly cause a rush of growers to take up this new calling, with the result that a superabundance will cause a "slump" in the prices and the £500 will dwindle down. It is a wonder that more British farmers who find wheat-growing unremunerative do not turn their attention to mushrooms. The business seems easy of management, for Mr. Gedney states: "Any person of ordinary intelligence can grow mushrooms in the open air all the year round just as surely as they can grow cabbages. The conditions necessary to insure success are a few simple rules to be observed in preparing materials and the making of beds. If these are strictly adhered to the crop will come just as surely as would a row of potatoes."

A Great Glorious Sale

THE MOST NOTABLE IN YEARS IS SCHEDULED FOR
Tuesday, June 21.

Kentias Belmoreana and Forsteriana, Arcas, Latanias, Phoenix, Livistonias, Dracaenas, Ferns, Ficuses and an infinite number of other Decorative Plants from Chas. Zeller & Sons, Bobbink & Atkins and other growers of highest repute.

Florists who want to stock up with first-class material will find this a rare opportunity. Do not miss it. 11 A. M., June 21, at

54 Dey Street, New York.
WM. J. ELLIOTT, Auctioneer.

Henry Mette,

QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Beet, Vegetable and Flower Seeds
PANSIES.

Mette's "Triumph of the Giants" the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per 1/4 oz.; 75c per 1-16 oz. Postage paid. Cash with order.

Please mention the American Florist when writing.

Five Million Vegetable Plants.

Tomato, Acme, Stone, Earliest, D. Champion and others, \$1.00 to \$1.50; transplanted, \$2.50, \$5.00 and \$7.50 per 1000. Very strong.

Cabbage, special strain, Danish Ballhead, Winter, Allhead, Early Summer, Bridgeport, Drumhead, Red Rock, Savoy and Kale, per 10,000, \$8.50; per 1000, \$1.00; per 100, 15c.

Celeriac and Celery, White Plume, J. Hearth, Pascal, Hartwell's Perfect, Winter Queen, \$8.50 per 10,000; \$1.00 per 1000; 15c per 100. Transplanted White Plume, \$2.00 per 1000; 25c per 100.

Pepper, Ruby King, Sweet Mountain, Cayenne, and other varieties, \$1.50 per 1000. Transplanted, strong, \$3.50 per 1000.

Sweet Potato, Yellow Jersey, \$1.25 per 1000.

CASH WITH ORDER. PRICE LIST MAILED FREE.

Ludvig Mosbaek, Phone 105, Onarga, Ill., and South Chicago, Ill.

Please mention the American Florist when writing.

Sample's Asters, Crimson, Lavender, Mary Semple and white, \$2.50 per 1000. Cabbage, Late, Flat Dutch, Drumhead and Burpee's Surehead; nice plants. Tomatoes, Stone, Liv. Beauty, Paragon and Royal Red. \$1.00 per 1000; \$8.50 per 10,000. Cash. Adams and U. S. Express.
 BYER FLORAL CO., Shippensburg, Pa.

LILY OF THE VALLEY. COLD STORAGE.

Extra Selected Pips for delivery from now on through the Summer and Autumn, \$15.00 per 1000.

LORRAINE BECONIAS, healthy stock, 2 1/4-inch pots.

Immediate Delivery: \$3.00 per doz.; \$22.50 per 100; \$200.00 per 1000.

June-August Delivery: \$2.00 per doz.; \$15.00 per 100; \$140.00 per 1000

ARTHUR T. BODDINGTON, 35 Warren St., New York.

MUSHROOM SPAWN.



Frequent importations from England. Always fresh and lively.

J. J. Styer, Concordville, Pa.

Asparagus Plumosus Nanus SEED.

\$3.50 per 1000; larger quantities less. Guaranteed true to name and of highest germinating quality.

Drake Point Greenhouses, YALAHA, FLORIDA.

FROZEN VALLEY PIPS

\$15.00 per 1000.

WM. ELLIOTT & SONS, New York.

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Celery PLANTS.

Strong and Stocky, \$1.25 per 1000. Cash, no checks.

PETER J. SCHUUR, Kalamazoo, Mich.

Mushroom Growers.

We wish to send you our circular on "MUSHROOM SPAWNS." It tells about spawns in general, and "Tissue Culture Pure Spawn" in particular. Most productive and sure yet. Will you send us your name?

Pure Culture Spawn Co., ST. LOUIS, MO.

August Rölker & Sons,

IMPORT TO ORDER

Lilies, Lily of the Valley, Lilacs, Camellias, Orchids and all kinds of Forcing Bulbs and Decorative Plants for Florists or Nurseriesmen. Raffia, choicest grades always in stock. Address

31 Barclay St. or P. O. Box 752, NEW YORK.

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Tomato Plants.

Stock transplanted, 10 to 12 inches tall, \$1.00 per 100; \$7.50 per 1000; small transplanted, \$2.00 per 1000; seed bed plants by 1000—Acme, Perfection, Favorite, Beauty, Stone, Dwarf Champion, Imperial, Livingston's Dwarf Stone, Earliana, Chalk's Early Jewel.

Write for price list of vegetable plants.

FRANK SHEARER & SON, Binghamton, N. Y.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

OAKLAND, CAL., May 23.—The Santa Fe Railroad Company has set about improving three acres about its depot on San Pablo avenue. The intention is to have the now barren ground converted into a garden spot.

THE New England Association of Park Superintendents will hold its seventh annual convention at New Haven, Conn., June 14, 15 and 16, 1904. The first evening will be devoted to a reception, banquet and business meeting. The second day to park inspection and in the evening papers and discussions, and the third day to a visit to Meriden.

OCEANIC, N. J.—The regular monthly meeting of the Monmouth County Horticultural Society was held in Red Men's hall, June 3. George Kuhn exhibited some fine cauliflowers. It was decided to hold the seventh annual chrysanthemum exhibition in the town hall, Red Bank, N. J., on November 1 and 2. The judges of the evening were Oliver Macintosh and John Yoemans. The discussion of the evening was "The Killing of Deciduous Trees by Frost." B.

International Show at Turin, Italy.

The Royal Horticultural Society of Piedmont celebrated the fiftieth year of its existence by holding a grand international horticultural show in the Valentino park, Turin, Italy, which was opened by the Duchess of Genoa May 10. An international committee of honor was formed, being presided over by the Duke of Aosta. The Dowager Queen of Italy was the patroness of the show. Grand medals of honor were offered by the King of Italy and other important additions to the prize list were given by the Dowager Queen Margherita, the Duke of Aosta, Count Sambuy, the Minister of Agriculture, and most of the leading agricultural and horticultural societies in Italy. The jury was a cosmopolitan one in every sense of the word, about 120 gentlemen of almost every European nationality accepting the invitation. Among them were Sir Thomas Hanbury, Dr. Fischer de Waldheim, Henri Correvon de Cock, Harman Payne, Phillipe Rivoire, Phillipe de Vilmorin, Ed Andre, Otto Ballig, Thomas Devan, Abel Chatenay, George Schneider, Jean Soupert, Max Kolb, Dr. Chiffot and Messrs. Duval, Serog, Moser, Riffaud, Bouchardat, Truffaut and Van den Daele.

The space allotted to the show allowed ample means of displaying everything to the best advantage, particularly the trees, shrubs and flowers that were tastefully arranged in beds in the open. In the building standing in the middle of the grounds all the choicer exhibits of palms, ferns, crotons, caladiums and various exotics were displayed in rich profusion. Altogether there were 289 classes and the entries were numerous. Besides the purely horticultural there were numerous classes for garden accessories, heating apparatus, plans, literature, photographs, engravings, manures, insecticides and everything connected with the craft.

A pretty Alpine garden was shown by Allemand, of Geneva. Henri Correvon also showed Alpine plants. Moser, of Versailles, had a fine show of azaleas and the Belgian firm of Van Houtte sent rhododendrons in tubs. Van den Daele, of Monaco, showed pandanus, ferns, etc., in fine style, for which he got one of the king's gold medals. The Tuscan Horticultural Society was the winner of the first of the king's medals. Vilmorin, Andreux & Company, of Paris, secured the Duke of Aosta's gold medal. Moser had one of the king's gold medals for azaleas and rhododendrons.

Many other awards were made to local exhibitors. Roda & Radaelli, of Turin, Besson, Dominici and Rovelli were some of the most successful. French exhibitors were numerous; in roses Soupert & Notting and Pernet and Duval staged anthurium, Molin peonies. Other French firms that did well were Louis Leroy, Rivoire, Delaunay and Charmet. In bulbs Krelage, of Haarlem, got a gold medal.

Quite a special feature in the grounds was the reproduction by Scalrandis, gardener to the late King Humbert, of a typical Italian garden of the sixteenth century for which a special award was made. Hospitality reigned supreme. The jury was invited to a reception by the prefect of Turin, to a banquet by the society at which speeches were made by various representatives of the different countries, and to a lunch at Soperga by the municipality of Turin. The weather was all that could be desired and visitors attended in large numbers.

ONE WHO WAS THERE.

Lowell, Mass.

The volume of business done here on Memorial day was as good, if not a shade better than previous years. There was an abundance of stock to meet the heavy demands, for on this particular day the demand for flowers here is very heavy. This is the hardest day we have to contend with, for much of the stock is bought by people who are not accustomed to buying such luxuries as flowers. Then again the demand was increased to a large extent owing to the retarded conditions of the outdoor supply. The supply that was offered for sale was good and consisted of good blooms of carnations, stocks, feverfew, candytuft, with a limited supply of peonies. Every conceivable sort of a bloom found a customer. Monday noon found everyone pretty nearly, if not cleaned completely out. Previous to Memorial day the greenhouse men were rushed with bedding orders, which kept some of them working night and day, everyone wanting his order filled for the great floral day of the year. Since Memorial day business has kept up in good shape. Weddings, commencements, etc., have used up a large quantity of stock, especially roses.

Early closing is now in order. Beginning the first Thursday in July and continuing to September the stores will close every Thursday at noon.

Wm. Sim, of Cliftondale, as usual sent to town some excellent candytuft for Memorial day.

Patten had charge of the commencements at Roger Hall school last week.

A. M.

HUNTINGDON, PA.—The Huntingdon greenhouses, J. E. Seal, proprietor, and A. H. Hancker, manager, have succeeded J. E. Swivel in business here.

EVER
BLOOMING

THE BEST ROSE NOVELTY.

Dwarf
Crimson
Rambler

Vaughan's
Seed Store
CHICAGO.
NEW YORK.

ORDERS BOOKED NOW.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Please mention the American Florist when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,
BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

Jacs. Smits, Ltd.

NAARDEN and BOSKOOP, HOLLAND.

Growers of Pot-grown Forcing Plants, Roses, Valley, Spiraeas, Evergreens and all kinds of Ornamental Nursery Stock.

Ask for price list and let us estimate on your list of wants. Address till June 1st. JACS. SMITS, care Maltus & Wares, 136 Water St., New York.



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THE MOON

Company

For Trees, Shrubs, Vines
Your and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

Please mention the American Florist when writing.

The Cottage Gardens Co.

(Incorporated.)

Queens, Long Island, New York.

Nursery Book, giving descriptions of nursery stock, peonies, etc., mailed upon application.

ATTENTION NURSERYMEN and FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Paeonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. W. VAN KLEEF & SONS, The Nurseries, Boskoop, Holland.

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.

AUCTION!

75,000 Palms, Ferns, etc., and 10 practically new greenhouses to be

disposed of to the highest bidder, between the hours of 2 and 7 P. M. on **JUNE 15 and 16**

THE ESTABLISHMENT OF

ALBERT FUCHS, 2045 North Halsted Street, **CHICAGO**

10 GREENHOUSES TO BE INCLUDED IN AUCTION, DIMENSIONS AS FOLLOWS:

	Cost to Build, Each.	Will Sell Previous to Auction, Each.
2 25x100ft.....	\$1,200.00	\$300.00
3 25x115 ft.....	1,500.00	320.00
2 25x100 ft.....	1,500.00	325.00
3 25x150 ft.....	2,100.00	500.00

Prices named include ventilators, piping, benches, etc. If not sold at above named quotations previous to auction they will then be

constructionist who will take down and deliver l. o. h. Chicago any of the before named greenhouses at the rate of **50c per running foot**, making a cost of only \$50.00 to \$75.00 for each house.

These are not old "ramshackle" broken-down houses, but practically

AS GOOD AS NEW

Florists, Vegetable Gardeners, Etc., will find it to their advantage to investigate. Come and See for Yourself.

Previous To Auction I am willing to sell this entire plant at less than 50c on the dollar. Ten months' time will be given to remove the buildings and no rent charged, or I will give a 99-year ground lease at a low figure. This is one of the best retail locations in Chicago and a money-maker for a "live" man. **Investigate.**

Offered to the Highest Bidder.

I have made arrangements with a practical

I will also sell one good horse and florists' top wagon.

For complete particulars and list of stock to be sold see American Florist issue of June 4.

E. F. WINTERSON.

JOHN P. DEGNAN.

L. H. WINTERSON.

E. F. WINTERSON CO., AUCTIONEER'S

Superintendent.

Sale will be held June 15 and 16, at 2 P. M., at 2045 North Halsted Street.

SEASONABLE STOCK! Order Now!

ASPARAGUS DECUMBENS, 2½-inch.....	Per 100	\$ 4.00	GERANIUMS, Mt. Snow; Mrs. Parker.....	Per 100	4.00
" MYRIOCLADUS, 8-inch pots.....	each,	\$7.00	" Mrs. Pollock.....		5.00
" PLUMOSUS, 2½-inch.....		4.00	" Wm. Lauguth.....		8.00
" " 3-inch.....		7.00	GREVILLEA ROBUSTA, 2½-inch.....		3.00
" " 4 inch.....		15.00	HYDRANGEA OTAKSA, Thos. Hogg and Red Stemmed.....		4.00
" " 5-inch.....		25.00	LANTANA, Weeping.....		2.50
ABUTILON, Pres. McKinley.....		4.00	LEMON, American Wonder, 2½-inch.....		3.00
AGERATUM, Princess Pauline, Louis Bonnet.....		2.00	" " 3-inch.....		4.00
ALYSSUM, Double Giant.....		2.00	" " 4-inch.....		7.00
ACALYPHA, Bicolor Compacta, 2½-inch.....		3.00	MARGUERITES, California White.....		2.50
CALLA, Little Gem, 2-inch.....		3.00	" Etoile d'Or.....		2.50
CYPERUS ALTERNIFOLIUS.....		2.50	PELARGONIUMS, best named sorts, 2½-inch.....		5.00
CHRYSANTHEMUMS, best standard sorts.....		2.50	" best named sorts, 4-inch.....		12.50
" " Wm. Duckham.....	doz.,	\$2.00	PENNISSETUM LONGISTYLUM, 2½-inch.....		4.00
" " Dr. Enguehard.....	doz.,	5.00	PHYLLOCTACTUS DEUTSCHE KAISERIN, 3-inch.....		15.00
" " Golden Chain.....		10.00	PRIMULA OBCONICA, 3-inch.....		4.00
" " Chito, Col. D. Appleton, Mrs. T. L. Parks, Mrs. Jerome Jones, Mrs. Robinson, Mrs. Perrin, Superba, White Bonnafooe, Yellow Jones, May Foster, Marian Newell, Marie Liger, Omega, W. H. Chadwick, Yellow Eaton, 2-in. pots.....		2.00	PANDANUS UTILIS, 5-inch.....	doz.,	\$4.00
CYCAS STEMS.....	per 100 lbs.,	\$8.00	SAGE, Holt's Mammoth.....		2.50
DAHLIAS, Kriemhilde and Brunhilde, 2-inch.....		15.00	ROSES, Clothilde Soupert, 2-inch.....		3.00
DRACAENA BRUANTI, 5-inch pots, 24-inch high.....	doz.,	\$5.00	" " 3-inch.....		6.00
FERNS, BOSTON, 2½-inch, very strong.....		5.00	" " 4-inch.....		10.00
" " 3-inch, very strong.....		10.00	" Mad. Petite Andre, 3-inch.....		7.00
" " 4-inch, very strong.....		20.00	" American Beauty, 3-inch.....	\$8.00,	4-inch, 12.00
" ADIANTUM FARLEYENSE, 2½-inch.....		8.00	" Bridesmaid, 2½-inch.....	3.50,	4-inch, 8.00
" " 3-inch.....		12.00	" Bride, 2½-inch.....	3.50,	4-inch, 8.00
" " 4-inch.....		25.00	" Golden Gate, 2½-inch.....	3.50,	4-inch, 8.00
" " CHARLOTTE, 4-inch.....		15.00	" Ivory, 2½-inch.....	3.50,	4-inch, 8.00
" " CUNEATUM, 3-inch.....		6.00	" Liberty, 2½-inch.....	6.00	
" " 4-inch.....		15.00	" Meteor, 2½-inch.....	3.50,	4-inch, 8.00
" " 5-inch.....		25.00	" Perle, 2½-inch.....	4.00,	4-inch, 10.00
			" La Detroit, 3-inch.....		25.00
			" Mme. Abel Chatenay.....		6.00

VAUGHAN'S SEED STORE, Chicago. Greenhouses and Nurseries, Western Springs, Ill.

Our Pastimes.

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At St. Louis.

The florists bowled with the ladies this week. The score:

Player	1st	2d	3d
Miller	159	172	192
Meinhardt	108	121	135
Weber	146	154	136
Gerlack	106	135	95
Kuehn	157	136	178
Beyer	144	141	123
Beneke	154	155	150
Balsly	130	126	
Beneke	169	197	166
Ellis		114	158
Ellison		178	189

LADIES.

Player	1st	2d	3d
Mrs. Miller	145	156	124
Mrs. B. Meinhardt	115	78	94
Mrs. Ella Meinhardt	69	77	131
Mrs. Ellis	70	78	70
Mrs. Weber	75	54	66
Miss Tillie Meinhardt	80	74	83
Mrs. Beyer	128	123	123

J. W. D.

At Chicago.

The fourth series of the handicap tournament was disposed of at Mussey's alleys Tuesday evening, June 7. The bowlers evidently had an off evening and the low scores made by the top-notchers are noteworthy. The figures of the five games follow:

Player.	1st	2d	3rd	4th	5th
Stevens	148	177	125	203	136
Huebner	116	155	161	163	147
Scott	191	155	118	146	150
Balluff	149	189	156	163	158
Asmus	162	153	143	140	146
Hauswirth	138	126	136	161	187
Degnan	183	123	166	167	157
Benesb.	136	111	86	125	96
Lange	158	138	86	122	137

St. Louis Claims Real Article.

Among the rare outdoor plants of Massachusetts is an "Anhouse" bush, owned by Assistant Appraiser Osgood C. Blancy. For several years Assistant Appraiser Blancy has attempted to grow this delicate bush in his garden at West Roxbury, but without success. This season, however, has been an ideal one for its cultivation, and the plant is flourishing beyond Mr. Blancy's most sanguine expectations. Several applications have already been sent to Mr. Blancy by neighboring gardeners for slips of this certain kind of bush.—*Boston Traveller.*

Tarrytown Horticultural Society.

The regular monthly meeting of the Tarrytown Horticultural Society was held Tuesday evening, May 31, in the Vanderbilt building, Tarrytown, N. Y. David MacFarlane, gardener for Mrs. H. Walter Webb, Scarborough, was awarded Franz S. Pammer's prize of a scarf pin for the best display of flowers cut from hardy shrubs. Other exhibitors were Wm. Scott and Robt. Boreham. Jas. Scott and Thos. Lee were the judges appointed. Hera Grane was elected a member of the society and nominations for membership were Alex. MacKenzie,

Geo. Instone, John Featherstone and F. Luckenbacker, all from Greystone, Yonkers. A prize of \$15 was received from Vaughan's Seed Store to be competed for at the fall exhibition. Owing to the late season the date of the June show was changed from June 9 to June 14. It will be held in the Young Men's Lyceum, Tarrytown, and open from 3 p. m. to 10 p. m. Admission free.

It was moved that the following resolutions be tendered to our brother member Francis Gibson and his family:

WHEREAS God in his infinite wisdom has seen fit to remove, by death, in his early manhood, Harry Gibson,

WHEREAS his father, Francis Gibson, being a charter member of this society and a most esteemed associate, be it

Resolved, That we as a society tender to him and the members of his family heartfelt sympathy in their bereavement. And be it further

Resolved that this resolution be spread upon the minutes of this society and a copy of the same be sent to Francis Gibson and his family.

This being ladies' night a very pleasant evening's entertainment was in store for the members and friends of which there were over seventy-five per cent and after the business of the society was dispensed with, President Ballantyne called upon our orator, David MacFarlane, to announce the programme which was replete with good things.

A hearty vote of thanks was then given to the members and friends for their many songs and musical selections. The programme was followed by dancing and the evening's pleasure ended with all singing "Auld lang sync."

THOMAS A. LEE.

ABERDEEN, S. D.—C. A. Spink's greenhouse was struck by lightning May 31 and 200 feet of glass was destroyed.

PEONIES TEN ACRES

of Bud and Bloom Now Ready.

OUR FACILITIES FOR CUTTING, HANDLING AND SHIPPING ARE UNEXCELLED. LONG DISTANCES A SPECIALTY WITH US.

Two Dollars per Hundred for beautiful single varieties four to eight inches across. **Doubles** per hundred: Red, \$3.00; Pink, \$3.00 to \$4.00; White, \$6.00. We are the exclusive growers of the following

SPECIALS:

Festiva Maxima, White. The acknowledged Queen, \$10.00 per hundred.

Rubra Superba, Lawson shade. The great Chicago Favorite, \$6.00 per hundred.

Lady Bramwell, Finest pink, \$6.00 per hundred.

If You want Something REAL SWELL Try Our Specials.

WRITE, WIRE OR PHONE LONG DISTANCE.

Chicago Carnation Co., Joliet, Ill.

ROSE PLANTS.

WE have an extra fine lot of Rose Plants intended for a new addition to Greenhouses. Unable to complete houses in time, so offer Rose Plants at these low prices.

AMERICAN BEAUTY, 2-inch.....	\$2.00 per 100	BRIDESMAID, 3-inch.....	\$4.00 per 100
“ “ 3-inch.....	4.00 per 100	CHATENAY, 3-inch.....	5.00 per 100
BRIDE, 3-inch.....	4.00 per 100	SUNRISE, 3-inch.....	4.00 per 100

We guarantee stock to be in extra line condition. Free from mildew or other diseases. Write for prices on large quantities.

Plants Shipped Direct
From Greenhouses at
Rogers Park.

HOLTON & HUNKEL CO.,

457 Milwaukee St., MILWAUKEE, WIS.

Roses

3,000 BRIDESMAID ROSES, from 3½ and 4-inch pots, extra fine for sale, \$4.50 per 100; \$40.00 per 1000.

E. T. GRAVE,
RICHMOND, IND.

Wholesale Grower of

CARNATIONS AND ROSES.

Grafted Roses.

Bride, Bridesmaid, Golden Gate, Kaiserin, Wootton, 4-inch, \$20.00 per 100; 2-inch, \$15.00 per 100; \$120.00 per 1000. Own roots, 2-inch, \$80.00 per 1000.

GEORGE L. PARKER,

Washington cor. Rockwell St., Ward 24, BOSTON.

ROSES. BARGAIN.

Bride and Bridesmaid rose plants from 2½-inch pots, at \$3.50 per 100; \$30.00 per 1000. Propagated from plants grown in solid beds.

BRANT BROS., Utica, N. Y.
Successors to Peter Crowe.

American Beauty

3-inch, \$6 per 100

BRIDE and BRIDESMAID, 3-inch, \$4.00 per 100.

GOLDEN GATE, 2¼ x 2¼-inch, \$2.00 per 100.

ASTERS—Hohenzollern, Giant Comet, Carlson, Japanese, from flats, 75c per 100; \$6.00 per 1.00.

COBÆA VINES, 5-inch, \$2.00 per doz.

RHOTEN BROS. CO., Box 5, Danville, Ill.

Rose Plants

BRIDE and BRIDESMAID, from 2½-in. pots, \$3.50 per 100; \$30.00 per 1000; from carefully selected wood—worth the price.

L. B. CODDINGTON, Murray Hill, N. J.

Well Satisfied.

AMERICAN FLOEIST Co.:—You will find enclosed money order for \$1 for the AMERICAN FLORIST. I wish to state that I am very well satisfied with the paper.

FRANS. O. SANTHESON.

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN.

LIBERTY, 3½-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN GATE, 3½-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

American Beauties.

Plants from 2½-in. pots, clean and healthy, \$5 per 100; \$45 per 1000.

JOHN MUNO, Rogers Park, Chicago, Ill.

Please mention the American Florist when writing.

Rose Plants

QUEEN OF EDGELY, 2¼-inch, per 100, \$6.00; per 10.0, \$55.00. 3-inch, per 100, \$8.00; per 1000, \$75.00.

OLD STOCK, per 100.....\$6.00

GEO. HARRER, Morton Grove, Ill.

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AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROS., New Castle, Ind.
South Park Floral Company.

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Rose Plants. Extra Choice.

Guaranteed strong, healthy stock.

In 3-inch pots.	Per 100	1000
Golden Gate.....	\$4.50	\$35.00
Bride.....	5.00	40.00
Bridesmaid.....	5.00	40.00
Mme. Chatenay.....	6.00	55.00

—Above prices cash with order.—

JOHN BROD, Nilas Center, Ill.

Please mention the American Florist when writing.

Planting Roses.

All kinds of Teas. Just what you want. Brides, Maids, Perles, Kaiserins, Woottons, Belle Siebrecht, Ivory, Golden Gates, Liberties, Beauties, Carnots and a few Meteors. Stock A1. Prices right. Send right along to

GEO. A. KUHL, Pekin, Ill.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID.....	\$3.00	\$25.00
BRIDE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00
LIBERTY.....	5.00	45.00
AMERICAN BEAUTY.....	5.00	45.00

In 3-inch Pots.

BRIDESMAID.....	\$4.00	\$35.00
BRIDE.....	4.00	35.00
PERLE.....	4.00	35.00

2-year-old AMERICAN BEAUTY PLANTS from benches, \$3.00 per 100; \$25.00 per 1000.

GEO. REINBERG.

51 Wabash Ave., CHICAGO.

ROSES FOR FORCING

Nice healthy stock, selected from well-grown plants. Sure to give good results.

	2¼-in. per 100.	3-in. per 100
American Beauty.....	\$5.00	\$8.00
Perle.....	3.00	6.00
Meteor.....	3.00	6.00
Bridesmaid, extra fine.....	3.00	5.00
Bride.....	3.00	5.00
Golden Gate.....	3.00	5.00
Ivory.....	3.00	5.00

Special price on thousands.

BOSTON FERNS. 2¼-in. \$3.50 per 100, 8-in. \$8, 5-in. \$25 and 6-in. \$40. Also some fine specimens in pans. VINCA VAR., 2¼-inch pots, \$3.00 per 100.

Note the low prices on the smaller sizes.
W. H. CULLETT & SONS, Lincoln, Ill.

Always mention the.....

American Florist

when you write to an advertiser.

American Beauties

lot of cull stock we wish to dump. But we have a clean healthy lot of plants which we are offering at very low prices. We intend to establish a reputation on our goods and want your order. The goods are right—but if you don't think so, return them and you can have your money back. Send a dollar for samples if you are dubious. 3-inch, \$6.00 per 100; \$55.00 per 1000. 4-inch, \$8.00 per 100; \$75.00 per 1000.

Please mention the American Florist when writing.

Yes, we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a

GRAND RAPIDS VIOLET CO.
163 Madison Ave., GRAND RAPIDS, MICH.

Rose Plants.

Strong Stock from 2½-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	1000
MME. CHATENAY.....	\$5.00	\$40.00
SUNRISE.....	5.00	40.00
KAISERIN.....	2.50	20.00
LIBERTY.....	5.00	40.00
MAID.....	2.50	20.00
BRIDE.....	2.50	20.00
PERLE.....	2.50	20.00
GOLDEN GATE.....	2.50	20.00
IVORY.....	2.50	20.00
AMERICAN BEAUTY, 3-inch.....	6.00	50.00

2-year Old Plants from Benches.

	Per 100	1000
AMERICAN BEAUTY.....	\$6.00	\$50.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO.

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NEED A FIRST-CLASS

Commercial White?

FRED. BURKI IS THE ONE. Has scored 88 points at the Detroit Carnation Convention and has been awarded a Certificate of Merit. Orders filled strictly in rotation. \$12.00 per 100; \$100.00 per 1000.

John Murchie, S. S. Skidelsky,
SHARON, PA. 824 N. 24th St., Philadelphia.

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CHRYSANTHEMUMS

Bonnafton, Ivory, Maud Dean, Golden Wedding, Mrs. Weeks, 2½-inch pots, \$2.25 per 100.
Rooted Cuttings, \$1.50 per 100.
FUCHSIAS, 2½-in. pots, \$3.00 per 100.

A. D. MONTGOMERY, Hazleton, Pa.

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JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

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ANDALUSIA, Pa.—S. J. Campbell is embarking in business as a grower here and is building three greenhouses, each 15x120 feet, in which he proposes to grow carnations and violets for the Philadelphia market.

ROSES...

Maid, Bride, Gate, 2½-inch, per 1000.....	\$25.00; per 100.....	\$3.00
Maid, Bride, Gate, 3½-inch, per 1000.....	\$50.00	\$5.00
Cut back benched Beauties, per 1000.....	\$50.00	\$40.00
2½-inch Beauties, per 100.....	50.00	75.00
3½-inch Beauties, per 1000.....		

CHRYSANTHEMUMS.

	Cuttings 2½-in. pot			Cuttings 2½-in. pot	
	per 100	per 100		per 100	per 100
WHITE			YELLOW		
Willowbrook.....	\$1.50	\$2.50	Golden Wedding.....	2.00	3.00
Estelle.....	1.50	2.50	Gold Mine.....	2.50	3.50
Geo. S. Kalb.....	1.50	2.50	Monrovia.....	2.00	3.00
Timothy Eaton.....	2.00	3.00	Nagoya.....	2.00	3.00
Merry Christmas.....	1.50	2.50	Chautauqua Gold.....	2.00	3.50
Wanamaker.....	1.50	2.50	Robert Halliday.....	1.50	2.50
Robinson.....	1.50	2.50	Eclipse.....	2.50	4.00
Chadwick.....	2.50	4.00	PINK		
Fitzwygram.....	2.00	3.50	Murdock, Perrin, Morel, Pacific.....	1.50	2.50
White Bonnafton.....	2.00	3.00	Coombs, Shaw, Quito.....	2.00	3.00
Crawford.....	2.00	3.00	Richardson, Liger, Heno, Maud		
Ivory.....	1.50	2.50	Dean.....	1.50	2.50
Jones.....	1.50	2.50	Duckham, Sensational Pink.....	25.00	30.00
YELLOW			RED		
Bonnafton.....	1.50	2.50	Childs, Intensity, Schrimpton.....	2.00	3.00
Appleton.....	1.50	2.50	BRONZE		
E. D. Smith.....	1.50	2.50	Lady Hanham.....	2.00	3.00
Omega.....	1.50	2.50			
Whildin.....	1.50	2.50	Percy Plumeridge.....	6.00	8.00
Parr.....	1.50	2.50	Mounier.....	1.50	2.50
Sunshine.....	1.50	2.50	C. J. Salter.....	6.00	8.00
Yellow Jones.....	2.00	3.00	T. W. Poekett.....	6.00	8.00
Yellow Eaton.....	2.50	4.00	Lord Hopetoun.....	10.00	12.00
Pennsylvania.....	2.00	3.00			

Headquarters for Finest Cut Roses and Carnations. Shipment made direct from Greenhouses or Store.

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NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
PAINESVILLE, O. SUMMIT, N. J.

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Am. Beauties PLANTS FROM 2-INCH.

Price to clean out \$30 per thousand. This is a cheap price but not cheap stock; it is first-class in every respect.

METEOR from 2½-inch pots, STRICTLY FIRST-CLASS, \$15 per thousand.

SAMPLE OF STOCK SENT ON APPLICATION.

J. A. BUDLONG, 37 Randolph Street, CHICAGO.

ROSES. Loomis Floral Co., CARNATIONS,

American Beauties. We have extra fancy 3-in. 2½x3 and 2x2½. Let us know your wants, quantity you can use, and we will hold them for shipment to your order. Write

GEO. A. KUHL, Pekin, Ill. **Loomis,** Cal.

Fine Rose Plants

BRIDE and BRIDESMAID

3 1/2-in. pots, ready to plant.
Must be sold at once.

The Cleveland Cut Flower Co.
12 & 54 High St., CLEVELAND, O.

Per hundred, \$4.50
Per thousand, \$40.00
CASH WITH ORDER.

Chrysanthemums.

Fine young plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000. Ready for immediate delivery.

Ivory	Maud Dean
Mrs. J. Jones	Pink Ivory
Golden Wedding	Polly Rose
Nagoya	Chadwick
Maj. Bonnaffon	Lady Harriet
Nellie Pockett	Robert Halliday
White Bonnaffon	Timothy Eaton
Col. D. Appleton	Mrs. Coombes
Lavender Queen	Viviand-Morel
Algoma	Globosa Alba
Minnie Bailey	Omega
Geo. S. Kalb	Minnie Wannamaker
Xeno	Mrs. H. Weeks
Mrs. H. Robinson	Glory of Pacific
Florence Molyneaux	

NATHAN SMITH & SON,
ADRIAN, MICH.

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Chrysanthemums.

From 2 1/4-inch pots, \$2.00 per 100; \$18.00 per 1000. Bonnaffon, White Bonnaffon, Ivory, Glory of Pacific, Bergmann, Adelle, Bride, Wanamaker, Halliday, Appleton, McKinley, Alice Byron, White Pompon. All these plants are in very good condition. Rooted Cuttings, 75c per 100. Good roots.

HYDRANGEA OTAKSA, Rooted Cuttings, pink or blue, \$1.00 per 100; 4 inch pots, 6c; 8-inch, 10c; 8-inch, 2c. Fine plants for growing on.

GENISTA, large flowering, 4-inch pots, 6c. Rooted cuttings, \$1.00 per 100.

STEVIAS, fine plants, 3 inch pots, 3c. Rooted cuttings, 75c per 100. Must be sold previous to removal. Make me an offer for large lots.

A. A. J. LaROCHE, Collingdale, Pa.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100
Mrs. M. A. Patten, fine variegated	\$3.00	\$12.00
Crusader, scarlet	2.00	10.00
Reliance, white	2.00	10.00
—50 at 100 rate.—		

	Per 100	1000
Harlowarden, best crimson	\$3.00	\$40.00
Governor Lowndes, finest white	6.00	50.00
Genetieve Lord	2.50	20.00
Mrs. E. A. Nelson	3.00	30.00
Norway	2.50	20.00

	Per 100	1000		Per 100	1000
Prosperity	\$3.00	\$25.00	Mrs. R'velt	\$1.00	\$35.00
Sihyl	4.00	30.00	Gov. Wolcott	4.00	35.00
Lillian Pond	4.00	35.00			

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

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American Florist



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PLANTS and CUTTINGS

WELL ROOTED, CLEAN, HEALTHY AND POPULAR VARIETIES.
ORDER NOW AND RECEIVE PROMPT SHIPMENT.

CHRYSANTHEMUMS.

WHITE.	Cuttings per 100	Cuttings per 1000	2-in. pot pnts 100	YELLOW.	Cuttings per 100	Cuttings per 1000	2-in. pot pnts 100
Timothy Eaton	\$2.00	\$15.00	\$3.00	Col. Appleton	1.50	12.50	2.00
Chadwick	2.00	15.00	3.00	Major Bonnaffon	1.50	12.50	2.00
White Bonnaffon	1.50	12.50	2.00	Yellow Mayflower	1.50		2.00
Wanamaker	1.50	12.50	2.00	Omega	1.50		2.00
Geo. S. Kalb	1.50	12.50	2.00	PINK.			
Estelle	1.50	12.50	2.00	Wm. Duckham	25.00		
Robinson	1.50	12.50	2.00	Mrs. Murdoch	1.50	12.50	2.00
Ivory	1.50	12.50	2.00	Viviand-Morel	1.50	12.50	2.00
Merry Xmas	1.50	12.50	2.00	Mme. Perrin	1.50	12.50	2.00
Polly Rogers	1.50		2.00	Pacific	1.50	12.50	2.00
White Mayflower	1.50		2.00	M. Newell	1.50		
YELLOW				Richardson	1.50		
Golden Wedding	1.50	12.50	2.00	Lavender Queen	1.50		
Golden Beauty	1.50	12.50	2.00	J. K. Shaw	1.50		
October Sunshine	1.50	12.50	2.00	RED.			
				Oakland	1.50		2.00

ROSE PLANTS.

In 2 1/4-inch pots.	Per 100	1000	In 2 1/4-inch pots.	Per 100	1000
Bride	\$3.00	\$25.00	Meteor	3.00	25.00
Bridesmaid	3.00	25.00	Kaiserin	4.00	35.00
Ivory	3.00	25.00	Liberty	5.00	40.00
Golden Gate	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

THE BEAUTIFUL NEW ROSE.

La DETROIT.

—STRONG, 3-INCH, \$25.00 PER 100.—

DON'T DELAY IN PLACING YOUR ORDER FOR THE MOST WONDERFUL CARNATION OF THE AGE

"FIANCEE"

To be disseminated January 1905. You will want it. Get it early. \$12.00 per 100; \$100.00 per 1000. For larger quantities write us.

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Roses for the COMING SEASON

Fine stock now ready on own roots.

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WRITE FOR PRICES

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Please mention the American Florist when writing.

Geraniums.

The best proposition ever offered.
Send for it to day.

ALBERT M. HERR,
LANCASTER, PA.

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PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, selected stock from 2½-inch pots, \$5.00 per 100; \$45.00 per 1000. From 3-inch pots, \$7.00 per 100; \$65.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

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VIOLETS.

I make a specialty of violets. Grow them in cold frames. My stock is perfectly healthy. Marie Louise and Swanley White. Write for my low prices on strong plants. Will exchange some for choice hardy roses and carnations.

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**VERSCHAFFELTII
GOLDEN BEDDER
FIREBRAND**

2½-inch pots, \$2.50 per 100; \$30.00 per 1000.

ROOTED CUTTINGS, 75c per 100; \$6.00 per 1000.

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2½-inch \$1.50 per 100. Firebrand and Sunset.

Geraniums, 2½-inch, Heteranthe and La Favorite, \$2.00 per 100.

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Marie Louise, Lady Campbell and Princess of Wales, \$20.00 per 1000. **IMPERIAL,** best dark variety, \$25.00 per 1000. **COLEUS,** 2½-inch, \$3.00 per 100; \$25.00 per 1000. **LOBELIA,** 3-inch same rate. **MARGUERITES,** 4-inch, \$6.00 per 100.

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IF YOU ARE IN NEED

Of any of the following for stock: Coleus, Heliotropes, Rose Geraniums, Lantanas, Ivy Geraniums, 4 kinds of Sweet Alyssum, Centaurea, Vincas, Rex and other Begonias, Lobelias, Cannas, Lemon Verbenas, Alternantheras, Etc., Etc. Write

GEO. A. KUHL, Pekin, Ill.

WANTED...

150 small Caladium Esculentum.
100 Castor Beans, small plants.

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TARRYTOWN, N. Y.—We are in receipt of the prize list of the exhibition of roses, strawberries and hardy flowers to be held here June 14. As originally planned the show was to be held June 9, but it had to be put back owing to the lateness of the season.

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. **BOSTON FERNS,** 2½-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS,** 2½-inch, \$8.00 per 100; 5-inch, 50c. **ASPARAGUS PLUMOSUS,** 2½-inch, extra fine, \$3.50. **CANNAS,** F. Vaughan, J. C. Vaughan and Burbank, \$1.50 per 100; \$12.00 per 1000. **COLEUS,** 15 varieties, \$2.00 per 100. **ALTERNANTHERA,** Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

Cash Please.

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Orchids!



Arrived in **PERFECT** condition, Cattleya Mossie, C. labiate Lelia crispa, Oncidium varicosum Rogersii O. Papilio, O. crispum, Lelia anceps, Cattleya Triana and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

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25,000 Eaton, Appleton, Ivory, Maud Dean, Bonnaffon, Mrs. Murdock, Mrs. Coombes, Jones and many more kinds from 2½-inch pots, \$2.25 per 100. 300 our selection, all good ones, for \$5.00 cash. Come and see our stock. Largest lot in the state. Greenhouses at East Sudbury Station (no walking), or write us a list of kinds wanted and we will make price by return mail.

COOLIDGE BROS., So. Sudbury, Mass.

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Ask for Special Price List on

BAY TREES.

PYRAMIDS: 3 to 14 feet. **STANDARDS:** high, 24 to 66-inch head.

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—EXOTIC NURSERIES.—

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Geraniums.

5,000 large plants in bud and bloom, from 2½-inch pots, in 10 good varieties, \$6.00 per 100; \$50.00 per 1000. **ALTERNANTHERA,** red and yellow, extra strong, \$20.00 per 1000. Cash.

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R. F. D. No. 1.

TRUE

Asparagus Plumosus Nanus...

Plants from flats, \$15.00 per 1000.
Express paid.

100,000 Calla Bulbs

Write for prices, giving sizes wanted.

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LOOMIS, CAL.

PETUNIAS.

"Those Double Fringed Ones" Sell at sight. Six distinct varieties, labeled. Strong plants in bud from 2½-inch pots, \$2.00 per 100; \$18.00 per 1000.

GERANIUMS, Jean Viaud, Mrs. E. G. Hill, strong, 2½-in., \$2.00 per 100.

—CASH.—

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NEW BOOK BY ELMER D. SMITH.

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WE ARE NOW BOOKING ORDERS. PRICE, 25 CENTS, CASH WITH ORDER.

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Fine Stock

CHEAP FOR CASH.

CANNAS, 50 Partenope, 25 Philadelphia, 40 Cabos, 75 Italia, 30 Elliott, 40 Black Beauty, 75 Chabonne, 40 Professor, 125 Burbank, 125 Florence Vaughan, 150 Mrs. Parmentier. All extra strong, 3-inca, at 3½c.

GERANIUMS, 25 standard varieties, (S. A. Nutt all sold), strong, 4-inch pots, in bloom, at 7c.

PANSIES, 2½-inch pots, in bloom, \$1.00 per 100.

VERBENAS, in bud, 2½-inch, \$1.00 per 100.

LOBELIAS, \$1.00 per 100.

SMILAX, 2-inch, \$1.50 per 100.

FUCHSIAS, fine assortment, \$1.50 per 100.

ROSES, Golden Gate and Ivory, 3-inch at \$4.00 per 100.

ASPARAGUS PLUMOSUS NANUS, 2-inch at \$3.50 per 100.

ALTERNANTHERAS, red and yellow, extra strong, 2½-inch at \$3.00 per 100.

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Cedar Falls, Iowa.

SMILAX SEEDLINGS STRONG.

\$1.00 per 1000.
250 at 1000 rate.

BARGAIN, EXTRA STRONG

\$1.00 per 100 2-in.

COLEUS, SALVIA,
Golden Bedder, Silver Spot.
C. Verschaffeltii.

Alternanthera, Yellow.

Chrysanthemums, Rooted Cuttings, 10 best standards, sure to please, \$1.00 per 100; prepaid for 10c extra. 2-inch stock, in fine variety at \$2.00 per 100. Cash.

BYER BROS., CHAMBERSBURG, PA.

NEW PINK CHRYSANTHEMUM AMERICAN BEAUTY.

Certificate C. S. A. Originated in this country 3 years ago, it has been shown to possess all the qualities required by a first-class commercial chrysanthemum. Clean, healthy growth, 3¼ to 4 ft. high, good stem and foliage, every flower coming good under ordinary culture. Form of flower ideal, being closely incurved and high built. Keeping and shipping qualities excellent. Color a beautiful dark pink, uniform in every flower. Flowering time November 20 and later. Price 50c each; \$5.00 per doz.; \$30.00 per 100. For other varieties ask for list, or see issue of March 5th.

CASH WITH ORDER PLEASE.

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CHRYSANTHEMUMS. STRONG, COOL GROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonnafon, White Bonnafon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2¼-inch pots, \$2.00 per 100. Special price by the 1000.

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50,000 Alternantheras RED and YELLOW.

Rooted Cuttings 50c per 100; \$4.00 per 1000; in lots of 5,000 or over \$3.50 per 1000.

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2,000 fine, clean plants, 2¼-inch, \$2.00 per 100; \$18.00 per 1000. 500 at 1000 rate, cash. Sample 5c.

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Dracæna Terminalis, 5-inch \$3.00 per dozen.

Latania Borbonica. We have a large stock and can ship perfect plants. 5-inch, 14-16 inches high, 4-6 leaves, \$3.00 per doz.; \$37.50 per 100. 6-inch, 16-18 inches high, 5-8 leaves, \$7.00 per doz.; \$50.00 per 100. 7-in. 16-20 ins., high, 7-8 leaves, \$1.00 each; \$12.00 per doz.

Asparagus Plumosus, 2-inch, \$3.00 per 100.
Asparagus Sprengeri, Strong, healthy stock, 2-inch, \$3.00 per 100; 3-inch, \$6.00 per 100 4-inch, \$1.50 per doz.; \$12.00 per 100.

Fine stock. An assortment of 2-inch **FERNS** for fern dishes, \$3.00 per 100; \$25.00 per 1000.
Send a postal for complete price list of all **PALMS** and **FERNS**.

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ALTERNANTHERA.		ASPARAGUS.	
Yellow, \$1.50; Red, \$2.00 per 100.	Per 100	Plumosus Nanus, Seedling.....	Per 100
Geraniums, to close out.....	\$3.00	" 2-inch, July.....	2.50
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Cash or C. O. D. JOS. H. CUNNINGHAM, Delaware, O.

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IVORY, 2½-in., \$3 per 100; \$25 per 1000; 3-in., \$5 per 100. **BRIDESMAID**, 2½-in., \$3 per 100; \$25 per 1000. **PERLE**, 2½-inch, \$3.50 per 100. This stock is all A1.

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Ageratum , Gurney, Queen Victoria, 2-inch.....	Per 100 \$2.00
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Asters , transplanted, Simple in colors, \$8.00 per 1000.	
Begonia Vernon, transplanted from flats, \$1.00 per 100; 2-inch, in bloom.....	3.00
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Coleus in variety and fancy mixed, 2-inch.....	2.00
Geraniums , Nutt, Heteranthera, Perkins, double white, A. Riccard, Poitevine, Vland and 10 other varieties, 4-inch, \$8.00; 3-inch, \$5.00; 2-inch, strong.....	3.00
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Fuchsias , very strong, 3 inch, \$5.00; 2-inch.....	2.50
Glechoma Hederacea , 2-inch, strong.....	5.00
Honysuckle , Golden climbing for window boxes, 3-inch.....	10.00
Lantanas , in bloom, very fine, 3-inch.....	6.00
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Petunia , double, strong, 2-inch.....	2.50
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Cash with order. Satisfaction guaranteed.

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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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A Specialty, 3-inch, \$8.00 per 100.
SPRENCERI, once transplanted, 90c per 100; \$7.50 per 1000. **ENGLISH IVY**, 4-inch, \$12.00 per 100. **CANNAS**, 4-inch, Antoine Crozy, Mme. Crozy, Poitevine, Queen Eleanor, Alphonse Bouvier, Allemania, Austria, \$5.00 per 100.

C. WINTERICH, Defiance, O.

Please mention the American Florist when writing.

AURAGARIA EXGELSA

—MY OWN IMPORTATION.—
5½-inch pots, 3 to 4 tiers 10 to 12-inches high, 50 to 60c; 12 to 15 inches high, 3 to 4 tiers, 75c; 15 to 18 inches high, 3, 4 to 5 tiers, 85c.
KENTIA FORSTERIANA and **BELMOREANA**, 6-inch pots, 5 to 7 leaves, 28 to 35 inches high, 75c to \$1.00 each.
FICUS ELASTICA, (Belgium), 4-inch pots, 25c.
Cash with order please. All goods travel at purchasers' risk.

Godfrey Aschmann,

Wholesale Grower and Importer of Pot Plants.
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1012 Ontario St., Philadelphia, Pa.
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BOSTON FERNS.

2¼-in. 3c; \$30.00 per 1000. 3½-in. 7c; \$70.00 per 1000.

Piersoni

3¼-in., 10c; \$100 per 1000. 5-in., 25c; \$25 per 100. 6-in., 35c; \$35 per 100.

Asparagus Plumosus Nanus, strong, 3½-in., from bench, ready for 4-in., 7c; \$7 per 100; \$70 per 1000.
Cash with order, please.

H. H. Barrows & Son, Whitman, Mass.

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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Cannas

5,000 J. D. Eislie, the best red, slightly started, at \$3.00 per 100; \$25.00 per 1000. 3,000 Mlle Berat, the best pink canna, \$1.00 per 100; \$8.00 per 1000. Also strong 4-in. pots of the following varieties: Beaute Poitevine, David Harum, Egandale, Niagara, Sam Trelease, \$1.00 per dozen. J. D. Eislie, Mrs. Robt. McKeand, Capt. Drugeon, 75c per dozen.

W. W. COLES,

Maple Hill Rose Farms, KOKOMO, IND.

Grand Rapids, Mich.

This spring will be remembered as one of the coldest and most backward for many years. It is at least three weeks later than usual. The months of April and May were so cold and disagreeable that it was almost impossible to do any outdoor work and every one is behind. All kinds of hardy plants and shrubbery are just now in bloom. It can be safely said that the Memorial day trade was the largest for many years. All the cemeteries are ablaze with bloom, especially Greenwood and the Catholic cemetery. The entire forces of all establishments are busy bedding and will be so at least for another week. The last month being so cloudy the geraniums are not in bloom to a very great extent, and many beds are being planted without a single flower.

Bruinslot & Sons are building two new houses, 28x135 feet, at their new place and will be fully located there in about four weeks. The Chapman green houses, which they have rented for six years, will be torn down. This is about the oldest establishment in the city, and when it is torn down one of the old landmarks will be gone.

Mulick Brothers have organized a stock company at Greenville, Mich. and Ed Mulick has been placed in charge. It will be known as the Greenville Floral Company. They have five houses and will build one more this season.

James Schols is building one house 15x120 feet, and has just received his lumber from Chicago of the Foley Manufacturing Company. He reports a good spring trade.

The Wealthy Avenue Floral Company is building four new houses for roses and carnations. It reports the heaviest trade for Memorial day for several years.

The Grand Rapids Floral Company is building one new house for roses, and will plant one or two of the old houses to lettuce this winter.

Eli Cross has just about completed his new house, 28x300. Mr. Cross had some very fine longiflorums in bloom for Memorial day.

George Hopp, Grand Rapids Violet Company, and Crabb & Hunter's place at Reed's Lake are hustling, all on the quiet.

Henry Smith is the busiest man in town with funeral work and shipping orders.

Specimen Ferns

We have in fine plants BOSTONS at \$1.50, \$2.00, \$2.50 and \$3.00. Also, PIERSONI at \$1.50, \$2.00, \$2.50, \$3.50 to \$5.00. Both in smaller sizes, 2½, 3, 4, 5, 6, 7, 8 and 10-inch.

WRITE GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

BOSTON FERNS. A 1 Pot-Grown

6-inch.....each 40c 3½-inch.....each 12½c
5-inch.....each 25c 3-inch.....each 8c
4-inch.....each 15c 2½-inch.....each 3½c

PIERSONI FERNS.

6-inch.....each 50c 3½-inch.....each 15c
Cation Greenhouse Co, 1101-1103 Fifth Avenue,
PEORIA, ILL.

Please mention the American Florist when writing

GOOD FERNS.

BOSTON FERNS, short and bushy, each 50c; per dozen, \$6.00; per 100, \$45.00.

PIERSON FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.
Keap Street Greenhouses.

We Will Buy

What have you to offer in Boston Ferns, Palms, Etc.?

Address **GEO. WITTBOLD COMPANY,**
1657 Buckingham Place, CHICAGO, ILL.

Asparagus.

	Per 100	Per 1000
PLUMOSUS NANUS.....	\$3.10	\$25.00
PLUMOSUS ROBUSTUS.....	5.00	
DECUMBENS.....	3.60	
SPRENGERI.....	2.00	15.00

SMILAX.

Well-grown and properly packed.. 1.50 12.50
Special prices on lots of 10,000 or over.

We use a light friable soil that can be shaken off without injury. If you wish to save express charges state when ordering "without soil." Samples mailed for 5c per plant.

ALBERT M. HERR,
LANCASTER, PA.

Please mention the American Florist when writing.

PIERSONI FERNS.

Fine 1-year-old plants from bench, 50c each; \$5.00 per dozen. Strong, well rooted runners, \$5.00 per 100; \$10.00 per 1000.

Well established	Per 100	Per 1000
2-inch.....	\$6.00	\$50.00
2½-inch.....	7.00	
3-inch.....	10.00	
4-inch.....	20.00	

A. C. CANFIELD, Springfield, Ill.

Please mention the American Florist when writing.

Anna Foster and Boston Ferns

Full plants, \$25.00 to \$50.00 per 100. In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. Asp. Sprengeri, 4-inch, \$5.00 per 100. Dracaena Indivisa, 3-inch, strong, \$5.00 per 100. Kentias, Ficus, Coleus, R. C., red, yellow and black, \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000; 60c per 100. 100,000 bedding plants in Geraniums, Heliotropes, Fuchsias, Lantanas, Ageratum, Single and Double Petunias, Asters, Coleus, Lemon Verbenas, Dracaenas, Vinca, German Ivy, Lobelia, Alternantheras, red and yellow, etc. Prices on application.

L. H. FOSTER, 145 King St., Dorchester, Mass.

Boston Ferns.

Prices—2½-in., \$4.00; 3-in., \$8.00; 4-in., \$15.00; 5-in., \$25.00 per 100; 6-in., 40c; 7-in., 60c; 8-in., 75c each.

Pierisoni Ferns

2½-in., \$3.00 per 100; 4-in., 35c; 5-in., 50c each. Strong young plants from the bench, at \$4.00 per 100; \$30.00 per 1000.

ALTERNANTHERAS, red and yellow, strong rooted cuttings, 50c per 100; \$4.00 per 1000. Special price on large quantities.

DAVIS BROS., Morrison, Ill., and Geneva, Ill.

JOSEPH HEACOCK,

WYNCOTE, PA.

Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana

GROWER OF

For our prices see page 551, Nov. 7th issue

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and FORSTERIANA PALMS, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100. REX BEGONIA, 2 and 3-inch, \$4 and \$6 per 100. DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100. BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$5, \$15 per 100.

ASPARAGUS PLUMOSUS, 3-inch, \$5.00 per 100. GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard. Mrs. E. G. Hill, Mme. Sallerol, Poitevine, \$2.50 per 100. 3-inch, \$5.00 per 100.

GLADIOLUS BULBS, fine mixture, \$1.00 per 100. 2½-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow. Single and Double PETUNIA, HELIOTROPE, Golden Gate and Bridesmaid ROSES, DRACAENA INDIVISA, VERBENA, LEMON VERBENA, \$2.00 per 100.

VINCA VAR., 2-inch, \$2.00; 3-inch, \$4.00 per 100. ABUTILON SAVITZII, 3-inch, \$5.00 per 100.

CANNAS, Black Beauty, Red, Yellow, and Variegated, 3-inch, \$4.00 per 100.

CASH OR C. O. D.

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

Cheap Palms and Asparagus.

Per 100

Lalania Bor., 2-in. pot, seed leaves.. 3.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs. 12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs. 15.00
" " 5-in. pot, 20-24 in., 4 chr. lvs. 20.00

Kentia Bel., 2½-in. pot, 8-10 in., 2-3 leaves.. 12.00
" " 2½-in. pot, 15-18 in., 3-4 leaves.. 15.00
" " 3 -in. pot, 15-18 in., 4-5 leaves.. 18.00
" " 3 -in. pot, 18-24 in., 5-6 leaves.. 20.00

Asparagus Sprengeri, 2-inch..... \$2.00
Asparagus Plumosus, from flats..... 1.75
" " 2-inch..... 2.50

Sherman Nursery Co., CHARLES CITY, IOWA.

PIERSON FERNS VERY TRUE STOCK.

Strong 2½-inch stock..... \$ 8.00 per 100
Strong 3-inch stock..... 10.00 per 100
Strong rooted runners..... 5.00 per 100
Cash with order. Satisfaction guaranteed.

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ASPARAGUS PLUMOSUS NANUS.

True Stock. Thrifty and well-grown plants. Seedlings from flats ready for potting, \$12.00 per 1000; \$1.50 per 100. 250 at 1000 rate.

Field-grown, for 3-in., \$5.00 per 100; \$40.00 per 1000
" " for 4½-in., 8.00 per 100; 70.00 per 1000

Send the cash along and we prepay the freight. YALAHA CONSERVATORIES, Yalaha, Lake Co., Fla.

LOOK HERE.

Azaleas, Areca Lutescens, Kentias, Crotons, Dracaenas, Pandanus Veitchii and Utilis, Rubbers, Genistas, Araucarias, Adiantum, Cocoses, Small Ferns for dishes.

All first-class stock at lowest wholesale prices. Cash with order or satisfactory references.

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A Little Thing to Print but a Big Thing to Know

That a Better Grade, Newer Styles, and More Varied Assortment of all lines of Florists' Supplies for Graduation Day, Wedding Decorations and all Occasions requiring Floral Work can be had and are supplied promptly at lower prices than elsewhere on this continent by

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—TRY A SMALL ORDER ON ANY LINE AND YOU WILL BE CONVINCED.—

For June Weddings and School Closings.

A complete line of BASKETS, RIBBONS, Etc.

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.

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 40c; No. 9, 75c; No. 12, \$1.00; No. 16, \$1.15; No. 22, \$1.35.
CYCAS LEAVES—Best imported stock. 24-inch, \$1.10 per doz.; 40-inch, \$1.80 per doz.—24 to 48-inch assorted, \$3.00 per 100.

CANE STAKES—4 to 8 ft. long, \$4.00 per 1000.
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 lbs., 45c; 10 lbs., 80c; 25 lbs., \$2.00; 100 lbs., \$8.00.
TISSUE PAPER—"American Beauty" per bundle, \$4.50.

No Quantity less than those named at prices quoted.

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COMPANY,

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Successors to
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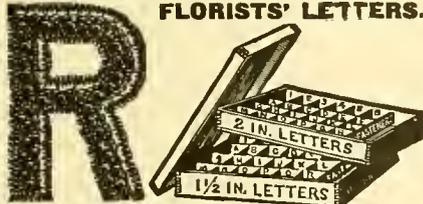
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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/2 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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M. RICE & CO.,

Importers and Manufacturers,

Leading Florists' Supply House and Ribbon Specialists.

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FLORIST Plain, Violet, Rose FOIL

MADE BY

The John J. Crooke Co.

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CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No. 0.	3x 4x20	\$2.00	\$19.00
"	1. 3x 4 1/2 x 16	1.90	17.50
"	2. 3x 6x18	2.00	19.00
"	3. 4x 8x18	2.50	23.00
"	4. 3x 5x24	2.75	26.00
"	5. 4x 8x22	3.00	28.50
"	6. 4x 8x28	3.75	36.00
"	7. 6x16x20	5.50	54.00
"	8. 3x 7x21	3.00	28.50
"	9. 5x10x35	6.50	62.00
"	10. 7x20x20	9.50	67.50
"	11. 3 1/2 x 5 x 30	3.00	28.50

Samples free on application. No charge for printing on orders above 250 boxes. Terms cash.

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LIGHTNING FLOWER POT WASHER.

Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong Plants are only grown in Clean Pots. Send for description. Sold direct \$15.00 net F. O. B. Joliet.

C. E. FINLEY Joliet, Ill.

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The Conley Foil Co.

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 116, 117, 118 West St., N. Y. City

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ROSE LEAF EXTRACT OF TOBACCO INSECTICIDE

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For Sale by all Wholesale Houses.

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GREEN SILKALINE.

Do not be put off with cheap substitutes.

John C. Meyer & Co.,
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Cape Flowers, all colors,
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Send for Prices.

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All new Fall Goods in new. Ask to see the latest, Embossed and Pleated Crepe Paper.

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Wired Toothpicks

10,000, \$1.50; 50,000, \$6.25. Manufactured by
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Sample Free. For sale by dealers.

Write To-Day for Description and Prices on Our

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Over \$70,000

Has been paid by the **FLORISTS' HAIL ASSOCIATION** for glass broken by hail. For particulars address

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The **WHILLDIN POTTERY COMPANY,**
PHILADELPHIA, PA. JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.
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Standard Flower... POTS

If your greenhouses are within 600 miles of the Capitol, write us, we can save you money.....

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MANUFACTURERS OF
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Before buying write for prices
361-363 Herndon Street,
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THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY,

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SAMPLE POT AND PRICE LIST
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C. C. POLLWORTH CO., MILWAUKEE, WIS.....

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Standard Pots

which for strength and porosity combined are the best on the market

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Galax Leaves and all Decorative Greens.

New York Agents for Caldwell's Monroc, Ala., "Parlor Brand" Smilax.

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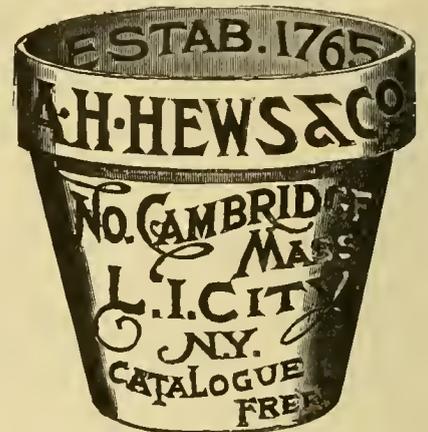
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ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

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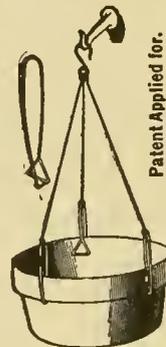
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Kramer's Pot Hangers



Patent Applied for.

THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

Vaughan's Seed Store, Chicago and New York.
E. F. Winterson Co., Chicago.

C. C. Pollworth Co., Milwaukee, Wis.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

L. N. KRAMER & SON, Cedar Rapids, Iowa.

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 2 1/2 " " 5.25	60 8 " " 3.00	
1500 2 3/4 " " 6.00	HAND MADE.	
1000 3 " " 5.00	48 9-in., in crate, \$3.60	
800 3 1/2 " " 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	

Send 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,**
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"Eureka" Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

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PUMPS Rider-Ericson. Second-hand. From \$45.00 up; all repairs; other makes; new; cheap.

BOILERS 2 No. 16 Hitchings at \$45.00. 3 No. 17 Hitchings, \$55.00. 1 No. 19 Hitchings, \$65.00. 2 No. 3 Scollay, \$25.00. 3 No. 5 Scollay, \$40.00. 1 Richardson steam, 1300 ft. steam, \$45.00. 1 500 ft. steam, \$35.00.

PIPE New 2-in. full lengths, with coupling, 9/16c. a foot. Good serviceable second-hand, 2-in., 6/16c; 1 1/2-in., 5/16c; 1 1/4-in., 3/16c; 1-in., 3c; 3/4-in., 2 1/2c. New and old fittings and valves.

STOCKS and DIES New Economy, best made, No. 1 Threads, 1/2-in., 1/4-in., 1-in. pipe, \$3.00. No. 2 threads, 1 1/4-in., 1 1/2-in., 2-in. pipe, \$4.00.

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GARDEN HOSE New, 3/4-in., guaranteed 100-lbs. pressure, 7 1/2c per ft.; 1/2-in. not guaranteed, 4 1/2c per ft.

GLASS New, American Natural gas made, 50-ft. boxes, 16x24, double, \$3.31 per box; 16x18, 14x20 and 12x16 double, \$3.05 per box; 12x16, single, \$2.35 per box; 10x12 and 8x10, single, \$2.25 per box. Carload and import orders solicited.

HOTBED SASH New, Cypress, 3x6-ft., from 70c up; glazed, complete, from \$1.60 up.

TREE GUARDS 400, 5 ft. 6 in. high, 10-in. diam., \$1.50 each. Good as new.

Get our prices on New Cypress Building Material, Ventilating Apparatus, Oil, White Lead, Putty, Point, Points, etc.

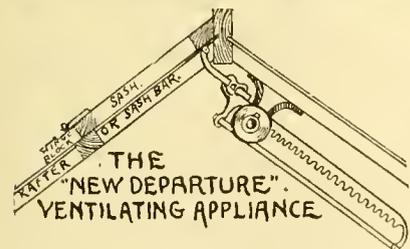
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METROPOLITAN MATERIAL CO.,

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CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
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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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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

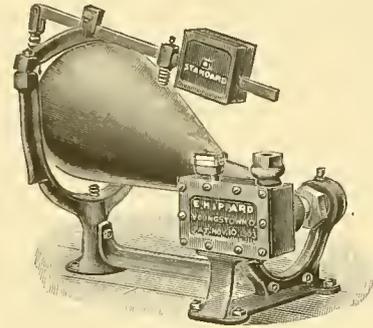
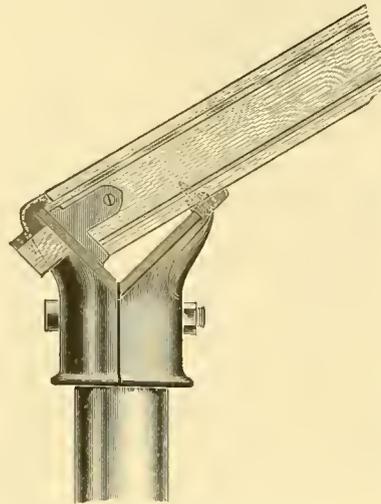
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AMERICAN FLORIST Co.:—Enclosed please find check for \$1 for renewal of my subscription to THE AMERICAN FLORIST. It is a great help and I could not get along without it.

Cheshire, Conn. NETTIE C. SMITH.

IRON GREENHOUSES.



The Duplex Gutter and The Duplex Eaves have solved the question of how to build up-to-date greenhouses as durable as the iron frame greenhouses at high prices, and nearly as cheap as wooden houses. See the cut that represents the new Duplex Eaves, the most durable, strongest and simplest to erect. Any common laborer can set them as perfect as an expert mechanic. It is perfection in construction. No ice or snow to darken your houses when light means money. Positively no shade from the Duplex Eaves, costs only about \$2.00 per foot, including Duplex Gutters and Eaves, Iron Posts for Gutters, Iron Purlines with Posts, Tees and Floor Plates, Standard Ventilating Machines, complete with double strong Pipe, Cypress Sash Bars and Ventilating Sash. Investigate the proposition and convince yourself of the fact. Also note the simplest steam return Trap made; just what a Florist needs, and a coal dealer condemns. Catalogues and circulars free.

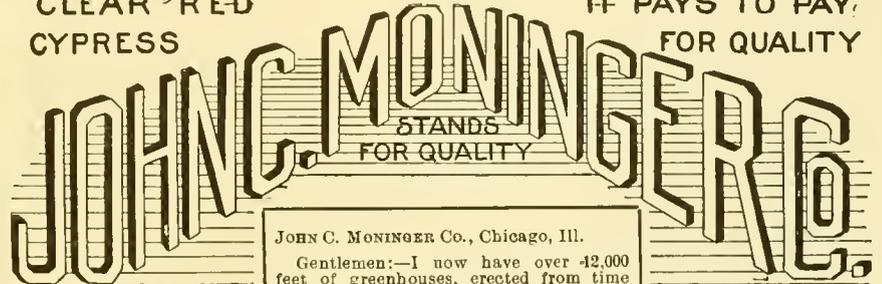
Center Posts with Plates and Bases. Standard Ventilating Machines, complete with double strong Pipe, Cypress Sash Bars and Ventilating Sash. Investigate the proposition and convince yourself of the fact. Also note the simplest steam return Trap made; just what a Florist needs, and a coal dealer condemns. Catalogues and circulars free.

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GREENHOUSE MATERIAL

CLEAR RED
CYPRESS

IF PAYS TO PAY,
FOR QUALITY



JOHN C. MONINGER Co., Chicago, Ill.

Gentlemen:—I now have over 42,000 feet of greenhouses, erected from time to time with your material. I can unreservedly recommend it as first-class in every respect.

JAS. CLELLAND,
Grove City, Pa.

ESTIMATES AND SKETCHES
CHEERFULLY FURNISHED.
MAIL US YOUR INQUIRIES.

111-115 BLACKHAWK ST.
COR. HAWTHORNE AVE.

CHICAGO, ILL.

GULF CYPRESS GREENHOUSE MATERIAL

HOT-BED SASH, BOILERS, PIPES, FITTINGS,
VENTILATING APPARATUS.

GLASS AT WHOLESALE.

We furnish everything for building. Send for prices and catalogues.

S. Jacobs & Sons, 1365-1373 Flushing Ave.
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Many Electrotypes

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Folders, Circulars and Catalogues

FOR SALE BY THE

AM. FLORIST, 324 DEARBORN ST., CHICAGO.

ADAM SCHILLO LUMBER CO.

DEALER IN ALL KINDS OF Hemlock and Pine

LUMBER

and "PECKY CYPRESS," our new introduction to the trade.

For Greenhouses.

ALSO CEDAR POSTS of ALL LENGTHS and DIMENSIONS.

Having had an extensive experience in the line of Lumber and Posts needed for Greenhouse work, I am prepared to meet all inquiries. Send for prices.

Cor. Weed and Hawthorne Ave.,

CHICAGO, ILL. Tel. North 1626 & 1627

References given from the leading Florists of Cook County.



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
6666 RICHMOND, IND.

Albion, N. Y.

Arthur B. Newman, for several years a member of the Monroe County Chemical Company, and Valentine Gatz, foreman at Salter Brothers' greenhouses, have formed a partnership under the firm name of Newman & Gatz, according to the Monroe County Mail, and will go into the florists' business at Albion.

The company has purchased a tract of land in Albion, and will at once begin the erection of greenhouses, the contract having been let to the A. Dietsch Company, of Chicago. The plant will consist of three main houses, 45x100 feet, for the growing of roses, chrysanthemums, carnations, sweet peas and plants in pots; a violet house 100 feet in length; a glass show house, 15x35 feet, for palms, Boston and asparagus ferns, bulbous stock, etc.; besides an office, boiler-room and workshop. The houses will be heated by a thirty-five-horse power horizontal hot water boiler, and will be furnished with city water and electric lights.

Mr. Gatz, who has been foreman at Salter Brothers for the past four years, learned his trade in Berlin, Germany, and holds a "master florist's" certificate from the German government. He has worked at his trade in the United States for about ten years, having been foreman in one of the largest greenhouse plants in Chicago, before coming here to take charge of Salter Brothers' plant.

Mr. Newman will look after the office end of the business, for which he is specially adapted. The firm expects to be in a position after September 1, to fill orders for funeral designs, wedding decorations and cut flowers, also decorating and landscape gardening. Mr. Newman will still retain his residence in Fairport, coming home as he is able to do so, and Mr. Gatz will move to Albion. The address of the firm will be 19 Brown street, where the office and greenhouse will be located.

The firm was influenced to locate in Albion by the nature of the soil, which is particularly adapted to the growing of roses, chrysanthemums and violets, of which they expect to make a specialty, and the favorable location for the Buffalo and Pittsburg wholesale markets. There is also a good local market, as there is no enterprise of a like nature there.

Worcester, Mass.

Since the advent of June, trade has been brisk with plenty of good stock in hand. Summer roses, such as Kaiserin, Carnot and Testout are now plentiful and carnations are excellent for so late in the season. The deaths of several prominent men made the funeral trade specially brisk. The bedding plant business continues good with the exception of cannas, which for some reason or other don't move. The weather has been cold, and frequent rains have delayed field operations materially.

F. B. Madaus figured in a runaway accident recently, receiving a sprained ankle; coming in the busy part of the planting season makes it doubly hard.

L.

Can Not Get Along Without It.

AM. FLORIST Co.—Please find enclosed money order for \$1 in payment of one year's subscription to the AMERICAN FLORIST. We can not get along without it. C. M. ELLIS.



The Johnston Glass Company
Hartford City, Ind.

MANUFACTURERS OF

Window Glass,

GROUND AND CHIPPED GLASS.

Long Distance Telephone.

Direct Western Union Wires.

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The James H. Rice Co.
—IMPORTERS and JOBBERS—
GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

80-82 Wabash Avenue and 34 to 40 South Water Street, CHICAGO.

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MASTICA

TRADE MARK REGISTERED.

FOR GLAZING GREENHOUSES

SOLE MANUFACTURERS

F. O. PIERCE COMPANY

NEW YORK

AT ALL SEED STORES

D. O.
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PITTSBURG, PA.

TANK WINDOW GLASS.

Hot-House Glass a Specialty.

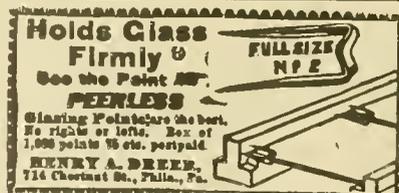
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Window Glass, Paints and Putty,
Greenhouse Glass a Specialty.

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GLASS.

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. Be sure and get our prices.

Sharp, Partridge & Co.

22nd St. and Union Place, CHICAGO.

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Sun Cured Cypress
GREENHOUSE MATERIAL
 at 75c
HOT-BED SASH.
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 Pecky Cypress bench lumber.
 FOLEY ventilating Apparatus
 Galvanized vent sash hinges
 screw eyes, screwhooks, Ubolts,
 Galvanized turnbuckles & wire
 Fittings for purlin and
 Ridge supports.
 Free illustrated Catalogue!
FOLEY MFG. CO.
 CHICAGO
 471 W. 22ND ST.

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At Low Prices.

BOILERS.

30 good Second-Hand overhauled Boilers, ranging from 20 to 100 horse-power will be sold at bargain prices.

BOILER TUBES.

Overhauled and in good condition; sizes from 2 to 6 inches.

STANDARD BLACK WROUGHT IRON PIPE.

Sizes, 3-8 to 14 inches.

VALVES AND FITTINGS.

Overhauled and in good condition at right prices.

GALVANIZED WIRE. 10 to 20 gauge.

RUBBER HOSE. 4 1-2 cents per foot and up.

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Chicago House Wrecking Co.,
CHICAGO, ILL.

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GREENHOUSE LUMBER

We Design Houses

To meet their cultural requirements, using only the very highest grade of **GULF CYPRESS** in their construction, the grower thus gets

THE VERY BEST HOUSE

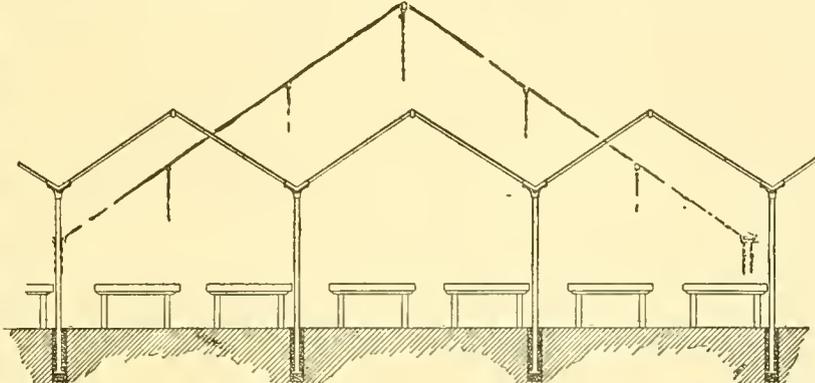
or Range, for his special purpose, and location. If you contemplate building, write us
 —PLANS AND ESTIMATES FREE—

HOT-BED SASH, Cedar Posts, Bench Material, Etc., Etc.

LOCKLAND LUMBER CO.

LOCKLAND, O.

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.

Please mention the American Florist when writing.

Use our Patent IRON BENCH FITTINGS and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, Etc. Send for Circulars.

VENTILATING APPARATUS.

DILLER, GASKEY & CO., SUCCESSORS TO JENNINGS BROS.,
 S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

GARLAND'S GUTTERS

WILL KEEP SNOW AND ICE OFF YOUR GLASS.

DES PLAINES, ILL.
 SEND FOR CATALOGUE.



A sample of our Gutter is on Exhibition at the Chicago Flower Growers' Market.
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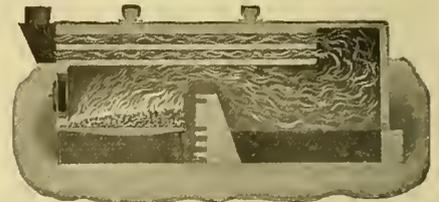
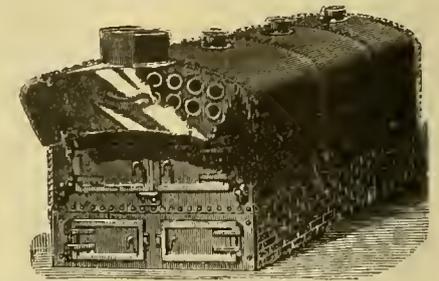
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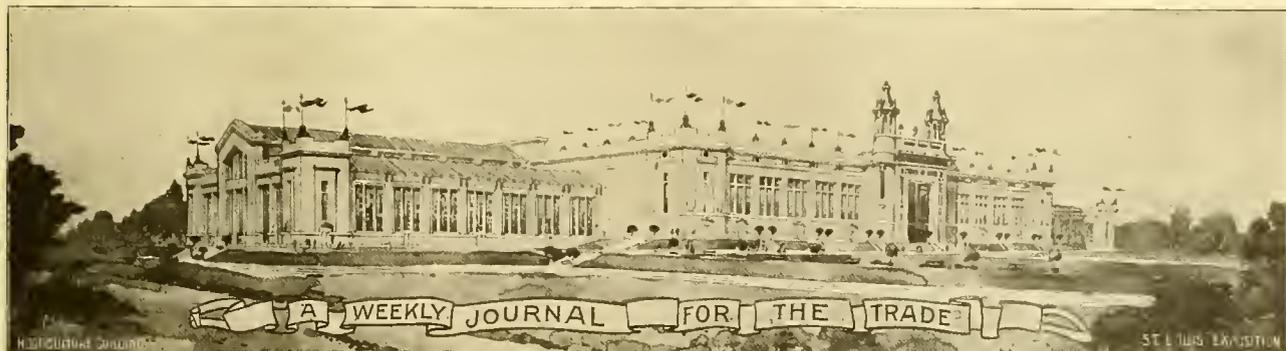
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THE AMERICAN FLORIST



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NINETEENTH YEAR.

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PALMS AND FERNS.

Sowing Early Palm Seeds.

The early lots of palm seeds, among which are those of *Areca lutescens* and *Cocos Weddelliana*, are usually received and planted before this time, the methods in common use for this operation having been noted in these columns on various occasions. For the benefit of new readers, however, it may be well to repeat some of these details very briefly at this season.

Those growers who can readily secure peat are in the habit of using this soil freely when sowing palm seeds, chiefly perhaps from the fact that it is open, fibrous and porous, holds moisture well and does not bake or become hard on the surface, and thus allows the seedlings to come through readily. For these reasons we are in the habit of planting *areca* and *cocos* seeds in pure peat, and only adding a fair quantity of drainage material in the bottom of the seed pots in the form of crocks or cinders. The seed pots are filled to within an inch of the top with the soil made moderately firm, the seeds then sown as thickly as they will lie in a single layer, and the pots filled to the top, with the soil pressed down firmly. Six-inch pots are the size most in favor for the various smaller palm seeds, though in the case of *Cocos Weddelliana* the seedling makes so strong a tap root that it is rather difficult to pot them off into small pots, and when the seeds are sown in a pan three or four inches deep this stiff and brittle root is turned and frequently coiled in the bottom of the seed pan so that they may be potted off more conveniently.

Seeds of *Latania Borbonica* are usually very plentiful, there being many specimens of this palm of a fruiting size in our own country in addition to those that may be had from Cuba, Brazil, Japan and China. These seeds are offered at low prices by the pound or by the thousand, and for the benefit of those who may be less familiar with them it may be stated that a pound of cleaned *latania* seeds, which means those from which the outer skin and pulp has been removed, will contain about 350 seeds, but from the fact that all palm seeds vary in size to a greater or less extent this number can only be taken as approximate. And while speaking of *latania* seeds we are reminded that there is a form of this palm from Japan, or rather the seeds are offered by Japanese importers with somewhat of

a flourish of trumpets as the true *Livistona Chinensis* (the correct botanical name of the palm in question) that does not seem to meet the approval of the approval of the American trade generally, being a rather stiff and slow growing plant that does not show character so early in life as the ordinary type. It is probably a handsome and hardy variety when well developed, but is much too slow in developing to suit the majority of growers, and decidedly will not reach the proportions of a good 8-inch pot plant within a year from the 4-inch size, this being a result that is frequently attained with the common *latania*.

Caryota urens is another of the common palms that sends out quite a long radicle when germinating, this radicle pushing the seed out of the soil in much the same manner as some beans, though the leaf bud of the palm is formed under ground, and from the lower portion of this bud the true root descends. It is also interesting to note the various ways in which the palms germinate, in some cases the growth proceeding from the end of the seed, as in *kentias*, while in others the shoot comes from the side, and what is apparently the back side at that. The members of the *cocos* group, of which the common *cocunut* is the most familiar example, have three eyes or depressions at the end of the nut, where the hard, bony shell is much thinner and more easily penetrated, and from one of these eyes the young shoot appears as the seed germinates. There also seems to be a wise provision of nature in giving the *cocunut* such a thick, fibrous husk or covering, as the young roots usually grow their way through this husk to the ground beneath, thus being kept moist and protected from the sun and wind until they become established in the earth. But probably very few of our readers will experiment with the germination of *cocanuts*, both seeds and seedlings being too unwieldy for the average florists' trade.

As already noted, the seeds of palms vary considerably in size, and while the size of the seed does not always foretell the quality of the seedling, yet there are many variations among the seedlings also, and it is sometimes the better practice to select the seedlings, or rather to discard those that come up crippled or off-colored, the indiscriminate potting of all seedlings regardless of their quality producing a very uneven grade of stock with too large a proportion of culls among them, their being some also that a vegetable grower might term rogues or

bolters, in which a long stemmed and coarse growth appears, such plants never making symmetrical specimens. There is occasionally a little trouble with seedling palms rotting off in the seed pot after they are well above the ground, but this is usually caused by keeping them too close and dark, thus encouraging the growth of fungus among the seedlings. It is therefore a good plan to spread out the seed pots to some extent by the time the first leaves of the seedlings are expanded and ventilating more freely in warm and damp weather.

There are not very many changes in method among the palm growers, but occasionally someone will take up a practice that is out of the common order, such as the planting of one or two seeds of *Cocos Weddelliana* or three seeds of areca in a small pot, with the intention of saving the disturbance of the roots at the first potting, something that cannot be avoided when a large number of seedlings are grown in one pot. Some good results are sometimes had from such methods, but yet this way of planting occupies a great deal of space and quite a large percentage of both space and labor may thus be wasted by the non-germination of seeds.

W. H. TAPLIN.

Potting Off Seedling Ferns.

The potting off of seedling ferns should now be proceeding rapidly, and in order to get the best results these tender young plants should be well protected from the sun and wind until they become established, and should never be permitted to suffer from lack of water. A shaded cold frame will answer very well for many of the strong growing pterises, nephrodiums and polypodiums from this time until the nights get cool in the fall, but some of the more tender adiantums, davallias and gymnogrammas will be much more under control if we can keep them on a side bench of the fern house. The cold frame is a most useful adjunct, and the ferns succeed there admirably in a favorable season, but the conditions may be more readily managed in the greenhouse in case the weather proves especially fickle. It is not yet too late to plant out Boston ferns on a bench for

runners, the latter growing very rapidly and producing young plants that will prove very useful later on in the season. This also reminds us that there are frequently found quite a number of variations among the Boston ferns, the proclivity toward sporting among the nephrolepis being quite marked, and it is a good plan to select this stock for propagation with much care, using only such plants as show good habit and strong foliage.

W. H. TAPLIN.

THE PEONY.

Peonies at Peterson's.

The extensive nursery of P. S. Peterson & Son at Rose Hill, Chicago, is just now the Mecca for hundreds of herbaceous plant lovers and the famous Peterson field of peonies especially, is attracting wide and well merited attention. Peony dealers and growers have come to regard this farm of that popular spring genus as one of the most important in the land, and any intelligence bearing upon the propagation and dissemination of any new varieties coming from here is pounced upon by peony specialists with more than passing interest and avidity. Wm. A. Peterson regards the peony department of his vast nurseries as one of the most important and at this season, when this grand flower is at its height, the big nurseryman spends a good share of his time in the fields, with note book and camera. The Peterson nursery is among the largest in the country, the exact acreage being 480, the greater part of which is devoted to the growing of nursery stock.

The peonies cover an approximate area of ten acres and just at the present time about half of this space is one delightful sea of bloom and color. Scores of people from the city and peony buyers from far and near are daily visitors and the sight amply repays one the trip to Rose Hill. Mr. Peterson informs us that since the peony has been taken up here, at least 1,200 varieties have been tried and tested, sifting the most desirable out until there remain about 800 which are retained and grown. Most of these have had their birth at the nurseries and

many are yet in an undisseminated stage, on probation as it were, until the management has enough confidence in the variety to give it out for commercial use. Many seedlings are started each year and just now there are two extensive rows of mixed seedlings of an infinite variety of color and type, awaiting sorting and classification. During the period of three or four years of a plant's infancy, until it is pronounced to be in good bearing condition, every plant is given the closest attention, its points are guarded jealously and it is nursed with tender care by men who know the peony from alpha to omega. Adjoining the large field of flowers now in full bloom is a plot of perhaps one acre of imported plants, purchased from time to time by Mr. Peterson at a great outlay of money. Many of these will be ready for full blooming next year, while many are yet in their first and second year.

The blooms may be said to be at their height now, although certain of the later varieties have not yet started, while some of the earlier ones have passed their best, especially the singles. The season has been late, but the weather conditions which prevailed during the last four or five weeks, cold, steady and mediumly moist have been highly propitious for good blooms, vigorous foliage and strong stems. Mr. Peterson has a unique and comprehensive system of tabulation and indexing, by which he keeps in close touch with every variety tried out at the nursery. The originator, date of purchase, name, character and habit of every variety is here catalogued for immediate reference. The time of blooming from season to season is carefully noted, also form, color, size, length of blooming period, weather conditions, age and much other data is recorded. Peony growing at Peterson's, it will be noted, is not prosecuted in a haphazard and desultory fashion, but with a studied care which must necessarily produce blooms and plants of the highest class. The soil of the peony field is kept well groomed, drained and cultivated, each fall a top-dressing of manure being applied.

The grand staple *Festiva Maxima* is seen here at its best. We have never seen any of superior bloom, size, color or shape. Another splendid white is *Queen Victoria*, not as tall a grower as *Festiva Maxima*, and with a little more yellow tinge. A popular variety is *Alexandriana*, light pink, a strong and vigorous bloomer. Peterson's *Modele de Perfection* is a grand variety, head and shoulders above most other pinks. It is a bomb type and an early bloomer. *Fragrance* or *Edulis Superba* is about over this season, also the good *Alexander Dumas*. *Golden Harvest*, which originated in Nebraska about four years ago is doing well here. It has a rich golden effect, which grows pink as the bloom grows older. *Sulfa Terra* is a good white. *Richardson's Rubra Superba* is among the late good reds which is proving a great favorite. *Duchess de Nemours* (Calot) is one of the greatest and best of the newer varieties. It has a beautiful greenish tinge, clean bud and is a steady bloomer. Mr. Peterson has had great success with this one since he first took it up six years ago. There are several rows of *Festivas*. The plants never got as high as *Festiva Maxima* and the bloom is somewhat smaller. It comes somewhat late and has been a great favorite on the local market. It carries the same carmine flake in the center as the *Festiva Maxima*. *Lady Bramwell*,



A FIELD OF IRISES AT P. S. PETERSON & SONS, CHICAGO.

the much talked of shell pink is also seen here. Mr. Peterson is not enthusiastic over this variety, however. It is not what it has been cracked up to be, showing an erratic tendency, sometimes not blooming as freely as is necessary in the successful commercial peony of today. The homb type Comte de Diesbach, a red, without yellow stamens is now in fine form as is Madame Geissler, a good rose pink, with a remarkably clear color. One of the high class varieties is Souvenir de Gaspard (Calot). A good single is Adam Bede. There are some albifloras, single, the parent of them all, in fine shape, but none too plentiful. Among others are La Coquette, fancy pink. Triumph of the Exhibition of Lille, a solid bloom, carrying a few yellow stamens and a desirable bleacher; Constance Devred, one of the first good reds coming in before Decoration day, which may be considered one of its greatest qualifications; Henry IV., rose pink, heavy, strong bloom, and myriads of others.

Irises are also given a certain amount of space near the peony fields. They are now in fine bloom, although rapidly passing for the season. The accompanying illustrations show a portion of the main block of peonies and part of the plot of irises.

An Elk Made of Plants.

AN EXAMPLE OF FANTASTIC GARDENING.

A unique lawn design has just been placed upon the terrace in front of Uarda, the residence of Lyman C. Smith, the millionaire typewriter manufacturer and capitalist, in James street, Syracuse, N. Y. It is a representation of a huge elk, and it required six men to move it from Mr. Smith's greenhouse, where it had been constructed by his landscape gardener, Joseph Kenney, to the position it now occupies on the lawn. The elk weighs 1,500 pounds, stands five feet high and measures eight feet from nose to tail and the antlers spread five feet. The idea of a novelty in the form of an elk originated with the owner of Uarda, and as a pleasing floral innovation he suggested it to Mr. Kenney, who declared the plan to be possible and by a contrivance of which he holds the secret, he expects the roots of the plant within the



A FIELD OF PEONIES AT P. S. PETERSON & SON'S, CHICAGO.

frame will be kept moist all summer. In the construction strict attention was given to the minutest detail.

The construction was begun a month ago. First the plans and specifications were drawn and then Mr. Kenney built a frame. The body was made of hardwood laths, nailed to circular pieces to make the form. The laths were wired, and at the joints steel straps were used. The head and antlers consist chiefly of a network of wire. A space of two inches was left between the laths, and the top of the elk was left open until the last. Earth was then put in to make a bed for the roots.

On the spot where now stands the elk, last year was a monster butterfly, with wings spreading six feet and four inches. It was made of alternanthera, with gold feather, santolina and echeveria used for coloring. Last year there was also a Japanese summer house, with two roofs and nothing but flowers to be seen. In

about another week Mr. Kenney will complete another novelty in the form of a large basket with handles. Another butterfly will also be made. Mr. Kenney has been in the employ of Mr. Smith five years, prior to which he was a designer for P. R. Quinlan & Company.

A. V. B.

A Notable Rose Garden.

The rose garden laid out in Elizabeth park by Theodore Wirth, superintendent of Hartford, Conn., park system, is already a thing of beauty, unique in arrangement, effective in aspect and well placed as to surroundings and access. The plan comprises a central eminence, on which stands a rustic arbor, from which the paths radiate and around which the rose beds are placed in concentric circles and geometric forms, the whole occupying about one and one-quarter acres. There are about 3,000 roses in 120 varieties of the various hardy classes, each variety being given a bed by itself. The walks between beds are of grass. The main walks are fourteen feet and rest eight feet in width, and the Rhode Island bent grass, of which they are made exclusively, already affords a good springy turf. The uprights of the central pagoda are planted with the rapid-growing Pueraria Thunbergiana and Walsh's hybrid rambler roses and around the sides hybrid rugosas are placed. Various ramblers and climbers, with cobæas and vitises, are set at the uprights of the arches which span the paths radiating from the arbor, and on the slopes of the eminence are planted hybrid Wichuraianas.

The inner circle of beds is devoted to the teas and polyanthuses, and the next mainly to the hybrid teas, beyond which come the hybrid perpetuals and mosses. Against the wire fence which incloses the area are hybrid sweet briars and other varieties of a rambling habit. The borders are occupied with the dainty little midget roses, and at intervals are placed groups of standards, their stems all carefully mossed to protect against the hot sun. Already the display of color is very pretty and gives a pleasing foretaste of what may be expected next year, when the plants have reached the strength of



AN ELK MADE OF PLANTS.

(Another example of fantastic gardening.)

their second year. As it is, they are remarkable specimens of healthy vigor. At the present time the earlier H. P. sorts are bouquets of lively color. Among these early ones may be enumerated Paul's Early Blush, Captain Hayward, American Beauty, Oakmont, Helen Keller, Victor Verdier, Mme. Gabrielle Luizet, Gloire de Margottin and Mrs. Sharman Crawford, and within another week the entire field will be at its height.

Particularly pleasing among the polyantha classes at this early stage are Mme. Laurette Messing, Etoile de Mai, Etoile d'Or, Petit Constant, Cecil Brunner, Gloire de Polyantha, Clotilde Souper and its pink sport, Mignonette, Hermosa, Petit Leonie, Petit Madeline, Josephine Burland, Emile Pattin and Mosella.

Placed in the center of each bed is a T-shaped label, painted foliage green and with name lettered in white. While plainly legible from a long distance, these labels are very unobtrusive and do not mar the effect in the least. At each entrance is a sign board similarly treated, giving an explanation of the abbreviations used in distinguishing the different classes of roses. The principal work now is spraying and keeping up a close watch for slugs.

Varied Views of Hub Horticulture.

Here are a few incisive comments of Boston papers on Superintendent Doogue's efforts at decorative effect in Copley square. "You pays your money and you takes your choice:

Another of Superintendent Doogue's acts has been staged. His curtain raiser, was a display of tulips that delighted and amused, and now he is showing up his versatility to advantage. Mr. Doogue's ability is winning all kinds of favorable comment. His astonishingly interesting displays have been better this year than ever, and with every new production there is a new point to praise. Mr. Doogue is a gardener emeritus.—*Boston Republic*.

The more frantic the combinations, the plainer the demonstration grows that horticultural fussiness is out of place in the grand expanse of Copley square. Let there be a clear surface of pavement (with perhaps the Brewer fountain in the middle) is the consensus of the artists who frequent the Museum and the Library. Writes a good critic: "Dear listener—We who are bitterly opposed to flower bed "borders" and who have been pained by the recent astounding combinations of scarlet and pink, cerise and crimson tulips at Copley square, have at last joined those who are in favor of a sunken garden. We would, however, suggest sinking it about eighteen feet—nor would we oppose a surrounding wall! Our pain for this year is over, however, and with full hearts we submit the following song of thanksgiving:

Thank God that the tulips are dying
Are dying and falling each day,
And colors which pained us are fading
Are fading and melting away.

The scarlet, the pink and the crimson
Which quarrelled and cursed as they lay
Are gathering their borders about them
And silently stealing away.
—*Boston Transcript*.

On Copley square the display of digitalis is something grand and surprising. Some 20,000 of these plants, in fine floral development, constitute the general display on this square, and add their novel and attractive effect to the other attractive features of the place. By the time they will have unfolded their floral flags to the top of their masts and matured most of their blooms, successors, with flowers also on a single stem, will occupy the field of beauty in the shape of gladioli, some 5,000 of which are planted in the beds of the square. Nor will the floral features alone constitute the summer attractions of the Copley square beds. Besides the grounds, borders and other floral features a goodly number of the golden euonymus and other rich foliaged plants are placed so as to give tone and variety to the more showy but more fleeting flowers.

Later in the summer other features will be added to the square, making it a centre of floral beauty to the close of the season. In the treatment of Copley square, as in that of the Public Garden, Mr. Doogue has again finely illustrated his enterprise and the wonderful fertility of his resources for the ornamentation of the leading pub-

lic grounds in his charge. Copley square has always been held to be a most difficult place to treat for ornamentation by the floriculturist. It is restricted in area and cannot be planted in trees owing to their obstruction of the surrounding architectural features of the locality. A costly sunken garden has been suggested, and a central fountain, with grassy lawn, etc., but nothing suggested appears to be as satisfactory as the present system of treatment; certainly nothing would be more attractive from points of view around and above or from the level of the streets and avenue surrounding it.—*Boston Herald*.

The triangular "square" at the show point in the Back Bay section is the object of a great deal of pseudo-artistic criticism this year as for a number of years past. As the season of flowers comes on, fault is found with the laying out of the flower beds, the combinations of colors, the figuration, and with the fact that flowers are planted to bloom there at all. Such a treatment of the "square" is said to jar upon the esthetic sense of some people.

What is proposed as a substitute? We are told, by all of the critics, that it must be something "dignified." There is a very strong feeling that if the whole "square" were paved with a stone or brick or asphalt or some other barren and heat-radiating material, the desired dignity would be obtained. Others suggest a little plantation of evergreen trees. Others want to see an "equestrian statue" set up there—probably to add horror as well as dignity to the situation.

But, really, what is there undignified in this little patch of fresh blooming plants in the center of the architectural show place? Does it not give the one touch of color, of pleasurable relief, or delight to the eye wearied of stone and brick and pavement that is needed to complete the picture?

Hundreds of thousands of people pass through Copley square every day, and we warrant that 99,999 out of every 100,000 find pleasure in the glimpse they get of this garden spot.—*Boston Post*.

World's Fair Notes.

Great Britain has placed on exhibition on the south wall of the Horticulture building a number of photographs showing scenes in the Royal Botanic garden at Kew. They include interior and exterior views of the herbarium and tempereto houses; also of the interior of the palm, succulent and fern houses, and the exterior of the museum and Jodrellaboratory. The lake, Alpine garden, rhododendron dell and pinetum are also shown. The exhibit contains a plan of the Kew garden and also of the new park of the Borough of Hove and a design for a garden to a country house. This is much like the one at the rosary, as shown at Great Britain's building at the fair.

The Missouri Botanical garden has a fine exhibit of edible mushrooms in the Palace of Horticulture. It includes forty-five species and one poisonous form, the spring amanita (*Amanita verna*). The exhibit also contains a set of reports from 1890 to 1904 and an oil portrait of Henry Shaw, the founder of the garden and of the Shaw School of Botany. There are in the exhibit a number of photographs showing the work of the garden pupils, sowing seed, making cuttings, repotting and caring for dahlias, chrysanthemums, cauliflower, celery and other crops.

The meetings of various associations have brought a large number of visitors. Among them have been J. Horace McFarland, of Harrisburg, Pa.; J. C. Olmsted and Warren H. Manning, of Boston, Mass.; Ossian Simonds and Mrs. McCrea, of Chicago; Superintendent Cuerski, of Grand Rapids, Mich.; Thos. B. Meehan, of Philadelphia; Orlando Harrison, of H. G. Harrison & Sons, of Bel Air, Md.; Harlan P. Kelsey, of Boston; Emory Albertson, of Albertson & Hobbs, Bridgeport, Ind.; W. P. Stark, of Stark Brothers, Louisiana, Mo.

Several shipments of peony flowers have been received during the week from J. F. Rosenfeld, the peony specialist of West Point, Neb. They were especially

noticeable for the rich colors and large size of the flowers as well as the length of the stems. The collection contains several seedlings and such named sorts as Golden Harvest, Modesta, Queen Victoria, Festiva Alba and Floral Treasure. The last named has large full flowers of a handsome shade of pink.

As the exposition approaches completion a marked increase in the attendance can be noticed, the number during the last week averaging more than 10,000 daily in excess of the previous week, without counting some 40,000 school children who received free admission on "Liberty Bell" day.

The Mexican collection of tuberous begonias, which numbers some 2,000 plants, is coming into flower and is attracting many visitors. Several Mexican orchids are also beginning to show flowers.

The panorama of the irrigation system and orange groves at Riverside, Cal., in the Palace of Horticulture, is now completed and is attracting much attention.

C. A. Young & Sons, St. Louis, have placed in the conservatory a handsome group of bays, palms, hydrangeas, ferns and tuberous begonias.

The Michel Floral Company, St. Louis, has arranged some fine ferns and rubber trees in the conservatory.

New Myrtle-Leaved Smilax.

This new smilax, *Medeola asparagoides myrtifolia*, was a chance seedling among a sowing of the *Medeola asparagoides* six years ago at the establishment of Meyer Brothers, Hanover, says Die Gartenwelt. Its value was recognized at once and every care taken to multiply it. Its foliage is about one-sixth the size of that of the common smilax, and is so similar to that of the German myrtle that it looks like a climbing, more graceful myrtle. Even the young plants are very graceful, and have a decided branching tendency, so much so that, to obtain very slender, graceful sprays, it is well to train it on two or three strings. The growth is most vigorous, equalling if not surpassing the old smilax in this respect. Of special value is its keeping quality; numerous experiments have shown it to be of much harder texture than the old *Medeola asparagoides*. In water it will keep perfectly ten to twelve days and dry it remains six to eight days in good condition. The fresh foliage is a real jewel for all table and other decorations and is sure to be in popular demand. On account of its graceful and branching habit, the small plants are well adapted for jardinières and hanging-baskets. It is also claimed that after being cut down, the plants soon begin to shoot up again and in three to four weeks will produce yard-long sprays. It is so prolific of shoots and bulbets that from one strong plant twenty-five to thirty plants may be produced in a season without difficulty.

Greenhouse Building.

Rochester, N. Y.—Highland Park, conservatories, \$5,000.

New Bedford, Mass.—Wm. G. Kroeber, greenhouse, 20x90; boiler house, 12x40.

Whitestone, N. Y.—Hinode Nursery Company, range of three plant houses, each 25x150.

Flushing, N. Y.—A. L. Thorne, house, 33x151; J. Willis, conservatory.

Montpelier, Vt.—Three houses, each 20x100, and office.

Paxton, Ill.—E. B. Moore and West Brothers, one house.

THE RETAIL TRADE

A Washington Wedding Decoration.

The illustration shows the decoration at the Langham-Faramond wedding at St. Matthew's church, Washington, D. C., executed by J. R. Freeman. About the altar are palms, ferns, Easter lilies and bunches of snowballs. The chancel rail is decorated with snowballs on a ground of wild smilax and asparagus, the whole of which makes a display as striking as it is novel. S. E.

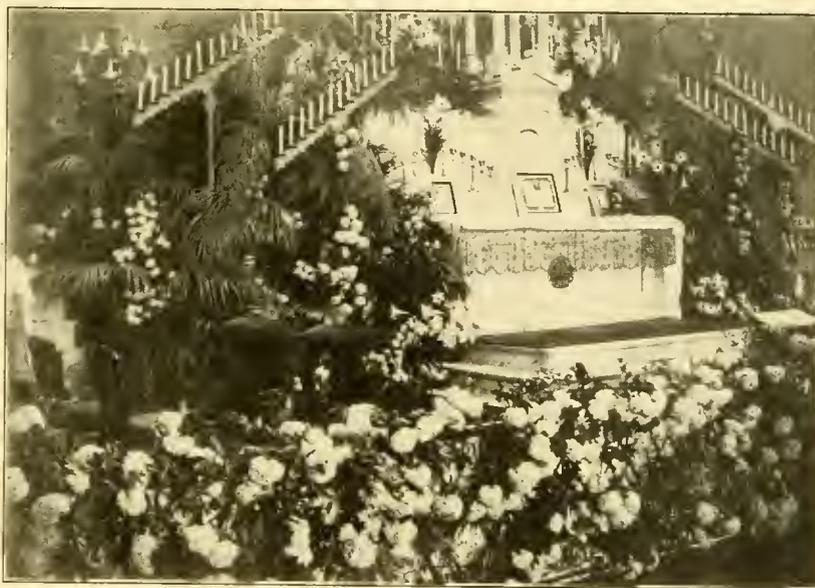
New York.

Monday night, June 13, was a gala occasion for the New York Florists' Club. The club room was well filled with nearly a hundred people, of whom fully half were of the fair sex, attracted in part by the promise of berries and ice cream and in part by a desire to see just what a club meeting implies. And so nice it all was that all must have been strongly impressed with the services. The business section came first. The secretary read the minutes of the previous meeting. W. J. Stewart presented resolutions of sympathy on the death of the mother of P. T. De Voy. P. O'Mara reported for the transportation committee, recommending the Baltimore & Ohio as the official route of the club in going to St. Louis next August, rehearsing, as only Mr. O'Mara can rehearse, the beauties of the scenery enroute, and appealing to all who contemplate going to give early advice to the committee entrusted with their comfort, and J. Austin Shaw detailed the extensive preparations that had been perfected for the annual outing on June 29 and for the distribution of \$250 worth of prizes among the athletic members and their lady friends. A communication from a city department store, announcing a chrysanthemum show and price schedule of \$1,500 therewith for next November, was courteously received. Messrs. W. F. Sheridan, Alex. Wallace and W. H. Siebrecht were constituted a committee to draw up suitable resolutions on the death of the son of President Traendly. The exhibition committee called attention to the flowers on the exhibition tables, including some beautiful specimens of the new Pierson fern, and peonies from Charles Lenker and George T. Schuman. Then came the fun.

First on the programme were two little girls, Annie and Jean, daughters of Jean Birnie, who made a royal entre under escort of a lusty piper in kilts, and scored a tumultuous success by their performance of the Highland fling in Scottish costume. Then came Jennie Cameron, daughter of the piper, clad in the tartan of the royal Stewarts, and gave the sword dance with rare precision. The orchestra followed, and the gallants filed in with their burden of ice cream which, notwithstanding the chilly atmosphere, disappeared in quick order. Thomas Black then rendered "Lea Rigs" and "Annie Laurie" in a rich baritone voice, and was followed by Messrs. Wallace and Butterfield with sweet melodies and Sam Burns with a story. Truly, it was a grand affair, and all suspicion of Scottiness was effectually removed by the orchestra, who diplomatically rendered the "Wearing of the Green" as a finale, much to the delight of J. J. Donlan.

NOTES.

The beginning of this week shows a shortening up of cut flowers in some lines. Peonies, roses and sweet peas are making



THE LANGHAM-FARAMOND WEDDING DECORATION.

(By J. R. Freeman, Washington, D. C.)

a better showing, while carnations are still plentiful. Extra fine cattleyas are in demand. Beauties are very poor in quality. Outside Jacqueminot roses are selling for \$1 per 100; the crop is very poor this year. Outside moss roses are bringing 50 cents a bunch. Lilies are of good quality and in full supply.

Alexander Smith, of Woodside, L. I., and Miss Katherine Coligan, of Brooklyn, were married last Wednesday evening at the home of the bride's mother. Mr. Smith is salesman for his father at their stand in the Cut Flower Exchange. They will reside in Brooklyn.

George Smith, who is a frequent visitor to town since his acquirement of the Massmann establishment at East Orange already begins to assume the practical commercial bearing which befits his new sphere.

One of the most notable sales in years is scheduled for Tuesday, June 21, when Wm. J. Elliott will sell at 54 Dey street a grand lot of palms, ferns and decorative plants from growers of highest repute.

George Schumacker, who was missing for the past three weeks, has arrived home from his long trip to the west much the worse for his dreams of wealth. He says there's no place like home.

The representative of the Glyndon gardens, of Glyndon, Md., was here on a visit last week and said that their peony crop was twenty days earlier than in New York.

J. H. Troy leaves on his annual trip to Ireland and Scotland early in July, and will stop off at Europe on the way.

John McMullen, of Whitestone, L. I., has sold 30,000 coleuses this year to the gardeners of Calvary cemetery.

Ed Roehrs is now on his way home after two years' absence in Europe, and is expected next week.

Some sound steamers are now refusing plants packed in hay, excelsior or other inflammable material.

It is said that Fleischman contemplates opening a store at Fifth avenue and Forty-fourth street.

A very general complaint of slow and difficult collections is heard among the wholesale houses.

James H. Carroll, of Thorley's, goes to Atlantic Highlands on July 1 for a three months' vacation.

Victor F. Dorral, of Woodside, L. I., has some very fine lilies at present which sell readily.

President Carnot and Kaiserin Augusta Victoria roses at Raynor's are very fine this season.

Mr. and Mrs. Charles Thorley sailed for Europe on the Kaiser Wilhelm II on June 14.

Alfred Dimmock sails on the Campania for Liverpool Saturday.

L. J. Kreshover will sail for a European trip June 16.

Visitors: E. W. Outerbridge, Cambridge, N. Y.; J. McIntire, Philadelphia, Pa.; G. A. Bishop and C. A. V. Frith, Bermuda. P. J. K.

Chicago.

The present week so far has been a very unfavorable one from a wholesaler's point of view. There is very little doing and stock is stacked up on all sides. Carnations continue in a glut, although they moved slightly better than last week. There appears to be plenty of roses to meet all calls and the poorer grades are hard to dispose of. Some very fine stock in fancy roses, such as Beauty and Kaiserin, is seen on the market these days, and this class of goods is kept well cleaned up. Peonies, of course, are now in their height. Carloads are being received daily from the peony farms in and about the city and they are of all grades and varieties, selling all the way from 20 cents to \$1 per bunch. Asparagus continues scarce but there is enough smilax and fancy ferns have been marked down to \$2 per 1,000 after having reached and been maintained at \$5 per 1,000 for nearly a month. Retailers are busy with the usual run of June occasions, weddings, commencements, etc.

The greenhouses and the entire stock of Albert Fuchs on North Halsted street were purchased this week by J. S. Wilson, of Chicago, and George A. Kuhl, of Pekin,

III. The E. F. Winterson Company, the auctioneer's superintendent, had made all preparation for a two days' auction, but a few minutes before the hour set on Wednesday the above named gentlemen bid in the entire holdings. A ninety-nine year ground lease was also secured. The new owners will form a partnership and go into the wholesale and retail business. Mr. Wilson has had the management of Vaughan's Greenhouses at Western Springs, Ill., for many years and is well known to the trade. Mr. Kuhl needs no introduction. Both gentlemen are growers and business men of experience and will succeed in their new enterprise.

On Thursday, June 16, occurred the wedding of C. E. De Wever, of Ghent, Belgium, and Miss Jessie Kate Ludlow, of Chicago. The groom is well known to the seed trade of America and the bride has been in the offices of Vaughan's Seed Store in this city for the last nine years. They will make their home in Belgium. The wedding ceremony took place at the home of the bride's mother, Mrs. Sarah Ludlow, 1613 Melrose street, and was solemnized by Rev. Frank De Molin, rector of St. Peter's Episcopal church.

E. F. Winterson Company in connection with the usual heavy business this week handled the big Albert Fuchs sale of greenhouses and stock. The force worked nights to keep up.

Bassett & Washburn, besides the finest *Pæonia festiva maxima* seen on the market are in with a fine line of Kaiserin roses. They received their first peonies from the field this week.

Bentley-Coatsworth Company is strong on high class roses and they are kept well cleaned up. The company's entire stock at New Castle is in a thrifty and healthy condition.

Derby day, which comes on Saturday at the Washington park club's track, is looked upon with hopes by the local retailers this year and they are preparing for a rush.

The peonies at the P. S. Peterson & Son nurseries at Rose Hill are now in the height of bloom and are attracting much attention.

C. N. Thomas is on duty again at A. L. Randall Company after two weeks' vacation spent at his old home in Pennsylvania.

J. A. Budlong has a special sale of American Beauty two-year-old bushes from bench on this week. He needs the room.

Charles McKellar is cleaning up his large daily receipts of orchids. Wedding decorations cause a steady call for them now.

E. C. Amling is showing gladioli with fine flower and unequalled stem. He is receiving a nice cut of Kaiserin roses.

J. B. Deamud is once again in harness after a sojourn of a week with his family which is summering at Cairo, Mich.

E. H. Hunt is supplying his customers with the very best in the peony line and reports shipping very satisfactory.

Wietor Brothers are in with a superfine cut of La France and Kaiserin roses.

A. L. Randall Company reports a heavy shipping business.

Among the visitors this week were H. N. Burt, Battle Creek, Mich.; Nathan Brown, Kansas City, Mo.; Thomas E. Mills, of the State Nursery Company, Helena, Mont.; William Dittman, New Castle, Ind.

Philadelphia.

The contrast between the weather of last week and this has been very marked. Shirtwaists were in order during the hot wave of last week while now overcoats are needed to make one feel comfortable. There is an abundance of flowers for the business doing, in fact in some lines there is a great glut, notably carnations, which can scarcely be moved at any price. There is no fault to be found with the stock except that it soon shrivels up, as it is fine for the season. All classes of roses are much deteriorated with perhaps the exception of Kaiserin and Liberty. Good white roses have been much in demand for large funeral orders of which there have been several. The number of pieces at one funeral in this city reached a total of 170. Many of them were quite expensive, some running as high as \$100.

The William Graham Company had \$1,200 worth for the funeral of Senator Quay. The principal piece was a representation of an old oak tree with a scythe at the base; this cost \$250. The same firm had the decorations for the Wheeler-Geolet wedding last Tuesday. The principal flower used was the American Beauty rose.

Tuesday evening, June 7, was peony night at the Florists' Club. There was a very pretty display one exhibitor showing no less than ninety varieties. These came from John T. Morris, of Chestnut Hill. Among the new varieties were Duke of Wellington, La Coquette, Augustin DeHour, a fine pink. Compte de Gower, a choice red, Joan d'Arc, a large white, Mme. Moreau, fine pink, and Messonier, a splendid red. Barillet des Champs, pink, medium, and Emile Gallee, a daybreak pink, were also very choice kinds and have all been recently imported from France by Mr. Morris.

John A. Gardner staged some fine new Japanese varieties imported a year ago from Japan and registered with the S. A. F. Peony Association. They were choice sorts, quite unique in form and color. John H. Dodds also exhibited six choice Japanese varieties which, though it was their first season in this country, gave promise of being different and distinct as well as valuable acquisitions to the list.

Thos. Meehan's Sons also staged six fine sorts. John Shellem set up one variety an extra choice pink. It might almost be called a pink *Festiva maxima*. It is a seedling of his and easily ranks with the best.

The next meeting of the club will have to do with convention matters, as several committees were appointed and are to report and work up enthusiasm as it is desired to get together as large a delegation as possible. The club is increasing as several new members were elected and others proposed for next meeting. W. K. Harris presented the club on behalf of the bowlers who won it, the trophy offered by F. H. Cramer of Washington for a match between that city, Baltimore and Washington and won recently in the deciding match at Washington. It is a beauty and the janitor has prepared a special spot for it in the trophy case. There is not much more room on the shelves without crowding for such ornaments but should it be necessary the cigars will be given a new case and the room gained will probably serve us for a year or so.

David Bearn's greenhouses at Bala are for rent; 10,000 feet of glass in good order and several acres of land. Mr. Bearn is in poor health and will go

abroad for a year or two to recuperate. "Davy" has the best wishes of all the craft, who hold him in high esteem and hope for him a speedy recovery.

Craig & Son's white carnation, Vesper, is showing up well during the trying weather. Mrs. Nelson is also another good one and many growers about here will plant it the coming season, their limited stock of the past season proving so satisfactory.

Herman Schoenfeld will retire from the retail flower business on July 1. His landscape and park work, together with the management of his greenhouses, takes up so much of his time that he decided to make this move.

Charlie Cox is sending in some fine centauria to S. S. Pennock. This is a pretty flower but the way it fouls the water is very much against its popularity.

The La Roche place at Collingdale has passed into the hands of Patten & Fleming. Mr. Patten is of the Rittenhouse Floral Exchange, of this city.

W. P. Craig is back from a western trip and reports having had a fine business.

S. S. Pennock shipped 1,000 American Beauty roses in one order last Tuesday. John Devlin has given up the Hackett place. K.

Baltimore.

We have had a week of weather notable for its great and sudden changes, the extremes running from 92° to 44°. There were heavy rains and vegetation is growing most vigorously, and nothing more so than the weeds. Outside stock was never more abundant, and the blooms of flowering shrubs are far more numerous and perfect than usual. Greenhouse stock was, the past few days, very scarce. The cool nights and the dismantling of houses are responsible. Thrip prevails widely among the roses, and the effect is seen in the poor quality of the blooms coming into market. Carnations are short and generally poor. The cut flower trade holds up well. There have been numerous June weddings, but very few big ones, and all making some demand. Commencements have held the stage and will continue for several days, and the requisition for bunches of all varieties of flowers are numerous. Heavy shipments of gladioli are being made here from the south. Their quality as a rule is good and they come in very fair condition, being sold at \$3 and \$4 per 100 spikes. This is a new industry, and, the culture being easy and the subjects bearing shipment well, it is likely to increase until it is overdone, like the narcissi and peony.

The Italian garden taste has struck Baltimore, and there have been two noteworthy examples of this style of landscape gardening constructed, one by Dr. J. E. Emerson, near Druid Hill Park, and the other by Mrs. T. Harrison Garrett, on Church street. In both gardens the stone balustrades, basins, vases and statuary are said to be fine. In the former example many of the decorations were imported expressly for the present use and the effect is much admired. As this style of gardening is striking to the eye it is likely to be contagious.

Wm. J. Halliday has bought an eligibly located piece of land of about three acres near the Liberty road in the western suburbs and will soon put up a range of glass houses.

John Cook has pulled out all his rose houses and is busy replanting. His stock of Cardinal and Eucharist is about ex-

hausted, and buyers report both varieties growing finely.

The Harrisonii lily men are in evidence, and are not backward in their asseverations of the unusual ripeness and excellence of their bulbs.

Philip B. Welsh is building a rose house, 20x100 feet, at his Reisterstown place, S. B.

Washington, D. C.

Weddings and commencement exercises are still the leading features that make business for the florists. The custom of starting pretty brides and sweet girl graduates on the newer life, amid buds and blossoms, is a beautiful one, and some of the antiquaries should discover the name of its founder that he may have a suitable monument. I have no doubt that the Washington florists would subscribe liberally.

While a dull season will soon be here, there is evidence that it will not be as slow as some other years have been. On account of the presidential campaign, Washington will not be so completely deserted by leading public men, during the summer, as it has sometimes been, therefore we expect "somethin' doin'."

The quality of roses and carnations is generally indifferent. The Centre market florists are doing a lively business in cut Crimson Rambler, field grown, which retail at 25 cents per bunch. At Alex. B. Garden's there are a number of the new ever-blooming Crimson Rambler, disseminated this season by Vaughan. They are making fine growth and are free bloomers and seem less subject to the attacks of red spider than most roses.

It gives me pleasure to announce that the Department of Agriculture is about to issue a history of the toad. I suppose there are a number of florists throughout the country who think they are already posted on the ways of the toad. I was at one time a promising amateur in toadology. The late Edwin Sheppard, who in his day was well known among New England florists, cherished a toad in the greenhouse as he would a rare plant, and they were sometimes so numerous as to become a nuisance by getting under-foot about the walks. However, all this is crude and unrefined knowledge. The Department of Agriculture will treat the toad, I have no doubt, from a scientific standpoint and bring out many new and interesting reasons why he should, like the eagle, the bear and the groundhog, be venerated by the American people.

J. D. Davidson, one of A. Gude & Brother's force of decorators, has just returned from a six-weeks' visit in Porto Rico. While there he visited the fern nursery of Alfred A. Smith, which is about six miles from San Juan. Mr. Smith, who is a Washingtonian, has two and one-half acres, on a part of which he grows the cane used in constructing the canopies for shading his plants. Boston and Pierson ferns; Pandanus Veitchii and Dracæna terminalis comprise his stock. The original stock-plants were purchased of Robt. Craig & Son of Philadelphia, about nine months ago. Mr. Davidson tells me that the plants have made fine growth, and if sales and shipments can be properly handled, the venture promises success.

At the regular monthly meeting of the Florists' Club, June 7, a number of new members were admitted. Appropriate resolutions were adopted on the death of Philip Gauges, long a member of the club. Pres. W. F. Gude addressed the members on the benefit to be derived

from a trip to the St. Louis fair and the meeting of the S. A. F. The howling team will go and a delegation will accompany it.

Since my last letter was written, my concern has increased over the proposition of the department to import foreign ants to exterminate the boll-weevils. Once and for all, I protest against this injustice to the American ant.

Lyman U. Faulkner, of Kansas City, is visiting his father, A. F. Faulkner, an employe of the A. B. Garden range.

Fred. Wolfe is in charge of the business of J. Louis Loose, who will sojourn in Europe until September.

Arthur F. Steinberg, formerly a salesman and collector of plants, is now with Z. D. Blackistone.

Geo. C. Shaffer has had quite a run in wedding and commencement decorations.

Fred. Grilboetzer, who has had a severe attack of la grippe, is improving.

S. E.

Buffalo.

Trade the last week has been very good. Several weddings gave the florists some good work. Palmer, Anderson and Rebstock were very busy and next week will see another busy school commencement and several good receptions.

Lafayette park is now in full summer dress and Superintendent Braik has sent good stock there. It is a great pleasure to drive through our residence district and see the veranda boxes and lawn vases which Buffalo is noted for, and Scott, Neubeck, Rebstock and Anderson vie with each other to make their work the best.

Carnations at ten cents per dozen were very thick on Main street last week. Peonies are plentiful. The weather is fine at present, but we must have some rain this week or stock will suffer and Prof. Cowell will look sad.

S. A. Anderson has some very fine gloxianias.

A recent visitor was Chas. Millang, of New York, combining business with pleasure.

BISON.

Cincinnati.

Trade has been holding up pretty well and good flowers of all kinds are in demand. American Beauty seem to have the call in roses and it is pretty hard at times to get enough flowers for orders. An exceptional good demand for sweet peas and carnations. Peonies are about over but we hear of several growers who have thousands of them in cold storage which they no doubt are holding for the Elks' reunion next month. Sweet peas are good and sell well.

We do not hear of many growers in this vicinity who contemplate enlarging their plants but there will be much rebuilding. Tom Windram, of Fort Thomas, will tear away his small houses and put three large ones in their place and when completed he will have one of the finest and most convenient places. Dick Witterstaetter and G. Brunner's Sons also contemplate rebuilding but will not add very much new glass. George Corbett will rebuild four or five houses. George is well pleased with the business he has done the past winter and deservedly so, for he has grown some nice clean stock and at present is sending the finest sweet peas that are coming to this market.

There have been numerous rumors of new wholesale houses being started here the coming fall, but as we hear this regu-

larly every June there is not much use in placing any confidence in this talk.

Frank Ball, with George & Allan, went fishing Saturday night and had the misfortune of falling down an embankment and breaking his arm.

H. J. McLaur will open a flower store at 413 Scott street some time during the present week.

Peter Weiland says he is perfectly satisfied with business since he opened his store.

George & Allan have very good valley which seems to be moving well.

A. O.

Louisville.

Business the last week has kept up pretty well to the average, stock of almost every description running short. It is almost impossible to supply stock enough of any kind to supply the demand, but we have been getting very choice stock from Chicago. Peonies are a question of the past, it being impossible to secure them in this market. Sweet peas have been plentiful and the demand has been enormous so that it is almost impossible to secure them in quantity. The field grown are coming on, a few having bloomed, and in a few days they will be plentiful.

The monthly club meeting Tuesday, June 7, proved a very interesting affair. Coenen & Company had their large "reception room" handsomely decorated with palms, ferns and enormous clusters of the beautiful Crimson Rambler rose, which presented a very artistic appearance, and demonstrated very plainly the business interest this firm possesses. After the meeting, which lasted until a late hour, lunch and some of that which made Milwaukee famous were in evidence, which put an unique finish on the hard work of the evening. The question of raising prices on bedding stock came up, and it is hoped to come to a favorable agreement at the next meeting. Wm. Walker opened the talk on "The Rose," giving some very interesting points.

Charles W. Reimers' place is receiving a coat of white which shows a great improvement. He is in St. Louis on a pleasure trip for about three weeks.

Nanz & Neuner's nursery department is a source of much pleasure.

C. H. Kunzman has been out of the city.

Visitors: Robert Mason, of Madison, Ind., and Peter Weiland, of Cincinnati.

F. L. S.

Boston.

At the annual peony show of the Massachusetts Horticultural Society, on June 11, first class certificates of merit were awarded to E. J. Shaylor for Lady Alex. Duff, T. D. Hatfield for seedlings Nos. 1 and 2 and Prof. R. T. Jackson for Richardson seedlings, Ferdinand Stoliczka and Chas. Sedgwick Minot. Honorable mention was given to George Hollis for seedling 623. The Kelway silver gilt medal was won by A. H. Fewkes and the bronze medal by Geo. Hollis. T. C. Thurlow, Mrs. J. L. Gardener and E. A. Clark were also prize winners in several classes.

WALDEN, MASS.—E. S. Converse, the noted philanthropist, died suddenly on Sunday afternoon, June 5. For many years the product of Mr. Converse's greenhouses under the management of D. F. Roy has maintained a high excellence at the exhibitions of the Massachusetts Horticultural Society in Boston.

THE AMERICAN FLORIST

NINETEENTH 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 inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising 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.

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

We need for our files copies of the
annual report of the American Carnation
Society for the years 1894, 1895 and
1901. Anyone having copies to spare
will oblige by communicating with this
office.

In sending in a change of address it is
important that the old address be given
as well as the new. This will greatly aid
us in locating your name on our mailing
list and prevent delay in making the
desired change.

BENJAMIN HAMMOND, S. A. F. vice-president
for New York state, east, has
repeated his action of last year and issued
a neat little pamphlet calling attention
to the approaching convention, and setting
forth the society's claims upon the
profession for its support. The paper
presented at Milwaukee last August by
J. N. May, on the "Latest Advances in
Greenhouse Construction" is reprinted
in full. Mr. Hammond is a vice-president
of the right sort.

La France.

ED. AM. FLORIST:—Please give the
origin of the La France rose. ROSE.

Raised by Guillot (fils) of France 1864,
from seed of a tea rose. It has no pedi-
gree other than this. J. N. MAY.

Pale Foliage.

ED. AM. FLORIST:—The foliage of my
young roses is very pale in color. They
were received by express about a month
ago and transferred to pots a trifle
larger. In all other respects the plants
seem to be in fine condition. Can some
of your expert readers give me the cause
and remedy? TEA ROSE.

Perhaps "Tea Rose" used a soil that
does not quite suit the plants, hence they
are not making roots in it quite as read-
ily as they should. Another cause for
the leaves turning pale in color may be
that they were watered a little too heav-
ily immediately after potting. If the lat-
ter it is very apt to give them a little
check which would cause the foliage to
turn pale. By careful treatment in water-
ing they will soon grow out of it if the
new soil they are in is suitable.

J. N. MAY.

Piping For Greenhouse.

ED. AM. FLORIST:—We are building
three houses each 26x100 feet, which are
sixteen feet high from sill to ridge and

three feet from sill to ground. What
quantity of 2-inch pipe or 1½-inch pipe
would be required for heating? We want
one house to keep at 60°, another at 55°
and a third at 50° in zero weather.

B. R.

The question does not state whether
steam or hot water will be used but from
the size of the pipe mentioned it is inferred
that the 2-inch is to be used with hot
water and the 1½-inch with steam. If
such is the case, the following arrange-
ment is suggested: To secure 60° use
three 2½-inch flows and fourteen 2-inch
returns with hot-water or one 2½-inch
flow and twelve 1½-inch returns with
steam. To heat one of the houses to 55°
use three 2½-inch flows and twelve
2-inch returns with hot water or one
2½-inch and ten 1½-inch returns with
steam. For the house to be heated to
50°, take three 2½-inch flows and ten
2-inch returns with hot water, or one
2½-inch flow and eight 1½-inch returns
with steam.

L. R. T.

Carried-over American Beauty.

ED. AM. FLORIST:—I have a bed of
American Beauty roses I wish to carry
over, and would like to know what
procedure is necessary to successfully do
so.

"C" can carry over his American
Beauties successfully if he will gradu-
ally withhold water from their roots for
about four weeks or till the wood gets all
fairly firm, without allowing it to become
shrivelled. When it gets into a fairly
ripened condition by this treatment cut
the plants back to the desired height or
to good plump eyes, clean off all dead
and decaying leaves from the surface of
the soil, etc. Then with a hoe scrape off
the loose soil from the surface without
injuring any of the roots, then put on a
good mulching of half well decomposed
manure and half soil, thoroughly mixing
it before putting on the bed. This should
be all prepared before cleaning off the old
soil, so as to have it ready to replace
that taken away immediately and before
the roots get damaged by exposure. As
soon as the new top dressing is on water
the whole thoroughly so as to moisten
the whole of the old soil; then syringe
the plants overhead at least twice daily
till they begin to break into new growth.
but do not keep the soil too wet or many
of the plants will die. Keep soil nicely
moist, just enough to induce new roots.
This in turn will produce good, strong,
young wood to break away freely. When
all the plants have started fairly into
new growth they will take water a little
more freely, but they should never be
watered so heavily as to cause the soil to
become at all saddened. As soon as the
nights become a little cool, anything
below 60° in the fall, a little fire heat
should be applied to keep damps from
collecting in the house, and prevent
black spot from starting. In other
respects treat the same as for young
stock.

J. N. MAY.

Levi Z. Leiter.

ED. AM. FLORIST:—The florists of this
country have just lost one of their
wealthiest members and most enthus-
iastic workers in the death of Levi Z.
Leiter. He was a member of the board
of directors of the American Mushroom
and Greenhouse Company, in which he
had taken a great interest from its incep-
tion, it being his desire that his company
would in a short time build and own the

largest and best equipped greenhouse
plant in the United States. To this end he
and the other members of the company had
worked diligently until his failing health
compelled him to give up his active
interest. His death will be greatly
mourned by all members of the florists'
trade, as he was a man of sterling quali-
ties whose keen business tact and finan-
cial power had made him well known in
every city and country on the globe.

AM. MUSHROOM AND GREENHOUSE CO.

Hinsdale, Ill. A. W. MORROW, Sec'y.

Coming Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BOSTON, MASS., November 3-6, 1904.—Chrysan-
themum exhibition Massachusetts Horticultural
Society. W. P. Rich, Sec'y, Horticultural Hall,
300 Massachusetts avenue, Boston, Mass.

BOSTON, MASS., November 3-6, 1904.—Annual
exhibition Chrysanthemum Society of America.
Fred. H. Lemon, Sec'y, Richmond, Ind.

CHICAGO, November —, 1904.—Annual exhibi-
tion Horticultural Society of Chicago. E. A.
Kanst, Asst. Sec'y, 5700 Cottage Grove Avenue,
Chicago.

DOBBS FERRY, N. Y., November 11-12, 1904.—
Fourth annual flower show Dobbs Ferry Garden-
ers' Association. Henry Kastberg, Sec'y, Dobbs
Ferry, N. Y.

NEW YORK, N. Y., November 8-17, 1904.—
Annual exhibition American Institute of the
City of New York. Dr. Robert Taylor, Mgr.,
19-21 West Forty-fourth street, New York.

PHILADELPHIA, PA., November 8-12, 1904.—
Annual exhibition Pennsylvania Horticultural
Society. David Rust, Sec'y, Horticultural Hall,
Broad street, below Locust, Philadelphia.

PROVIDENCE, R. I., November 16, 1904.—Chrysan-
themum and carnation exhibition Rhode
Island Horticultural Society. C. W. Smith,
Sec'y, 27-29 Exchange street, Providence.

San Francisco.

Business for Memorial day was about
the same as in former years. There was
a heavy shipping business done by the
florists, and that relieved the market of
any surplus stock. The stock mostly
sold was of the out of door variety, such
as gladioli, stocks, gypsophilas, callas,
marguerites, peas, etc. The greater part
of the local business was done by the
street vendors, who always appear in
large numbers on that day. Peas that
week jumped up to \$1 and \$1.50, and as
high as \$2 per dozen bunches. Previous
to that they were only bringing 50 cents
per dozen bunches, and are now again
down to that price and a little demand
for them. All other stock, such as roses,
carnations, Harrisii, etc., sold at about
the same price as reported in the last
writing. St. Joseph's lilies and Bride
gladioli are to be seen in large quantities
and sell readily at good prices. Business
at present is very quiet outside of a little
work that is being done for the gradu-
ating exercises. Stock, generally speak-
ing, is poor, as it always is about this
time of the year. The "Jack" roses which
are grown out of doors, are the only good
roses to be seen.

John McLaren, superintendent of the
public squares and parks, was tendered a
banquet on the evening of June 2 by the
citizens of San Francisco. Mr. McLaren
is to take a trip to Europe to collect data
and study European methods of park
improvements. Many prominent citizens
were present. At the conclusion of the
banquet Mr. McLaren was presented with
a beautiful album.

L. G. Gardener, who was recently em-
ployed by Schwerin Brothers, has gone
into business for himself and has com-
pleted two houses, 25x200 feet. His in-
tentions are to grow roses. The houses
just built are filled with Bride and Brides-
maid. Mr. Gardener is known as one of
the best growers in the state.

P. C. Meyers, of the Glenwood Nurseries, and wife are spending their vacation in the Santa Cruz mountains. Mr. Meyers is now arranging to put up six new greenhouses for chrysanthemums. With this addition he will have one of the largest, if not the largest plant on the coast.

N. Roller and J. Conpiano have bought out J. Saulberger's Seventh street store in Oakland, which has been there for a number of years. Mr. Saulberger still retains the new store on Broadway in Oakland, which is considered the leading one in that city.

On Sunday, June 5, all florists who agreed closed their places of business at 1 p. m. There are yet a few florists who have not fallen in line, but we hope that they will, as it is conceded by all that it was one of the best moves made by the florists.

J. Carbone, of West Berkeley, has just just completed a greenhouse, 26x112 feet, for American Beauty roses. Mr. Carbone has made quite a success with this rose.

J. Nespoli has just completed one house, 40x100, for ferns. Mr. Nespoli grows nothing else but ferns and has a great many varieties.

F. Pelicano & Company have added to their plant in Ocean View a house, 30x255 feet, to be used exclusively for palms.

J. W. Young has taken a trip to the springs and expects to be gone about three or four weeks.

P. J. Thorsted, Jr., of Fruitvale, is building two houses, 27x200 feet, for carnations.

The Misses Lacey, of San Leandro, are bringing in some good Japanese irises.

A. J. R.

OBITUARY.

Kinsey M. Jennings.

Kinsey M. Jennings, of Olney, Philadelphia, died on June 5. The deceased was in the firm of Jennings Brothers, who patented and manufactured the Jennings iron gutter and greenhouse table and other iron fittings for horticultural buildings. He was but 33 years of age. His untimely death was due to consumption. He was of a pleasant and genial disposition. His family have the sincere sympathy of the craft.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 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 florist; German, married; commercial or private. Address M W, College Park, Va.

Situation Wanted—By salesman, also experience in rose growing and pot plants. Address X PHILADELPHIA, care American Florist.

Situation Wanted—By experienced gardener, in private place; competent in horticulture, greenhouse and vegetable gardening. References. Address F O B, care American Florist.

Situation Wanted—As foreman by all grower of roses, carnations, 'mums and general line of bedding plants, where first-class stuff is wanted. Address GROWER, care American Florist.

Situation Wanted—As working foreman; first-class Beauty and carnation grower; used to handling help; married; life experience. First-class references, etc. Address Z K Y, care American Florist.

Situation Wanted—In florist store, good designer and plant salesman and all-around storeman; 9 years in last position. Eastern states preferred. Address JOHN PRICE, Waverly House, Charlestown, Mass.

Situation Wanted—By young man, German, single, 32 years of age, 15 years in the business, in palms, ferns, bedding stock, cut flowers. Good references. Address G. SEMO, 72 W. Madison St., Chicago.

Situation Wanted—By a first-class rose grower, especially American Beauties; also fancy carnations, as foreman or section man, by July 1. Am at present time foreman for Chicago Carnation Co. Address PAUL KOPANKA, Joliet, Ill.

Situation Wanted—By a practical florist; good grower of cut flowers, carnations, roses and general pot plants; good propagator; able to take charge. Also good decorator. State wages, etc. Single. Address G. MAHOOD, Ft. Worth, Texas.

Situation Wanted—By young man 19 years old, with six months' experience in retail store; also some experience in growing department. Would accept position in greenhouse, with position in store in view. Address E W, care American Florist.

Situation Wanted—As foreman, by first-class grower of cut flowers and plants—cut flowers only, and wholesale preferred. Has had life experience. Capable of taking entire charge of large place. First-class references. Address FLORIST, 1323 Vine St., Philadelphia, Pa.

Situation Wanted—By first-class propagator and grower of roses, H. P.'s and teas, clematis, shrubs, evergreens and a general line of stock and plants. Both winter and summer propagation; thoroughly competent and reliable; able to take charge. Best of references as to ability. Address F A, care American Florist.

Situation Wanted—An American, at present employed, of unusual business ability, desires a first-class situation or working interest in some good establishment or will accept traveling position. A No. 1 grower and propagator either in greenhouses or nursery and good ability at landscaping. First-class references. Address COMPETENT, care American Florist.

Help Wanted—Foreman for nursery. Address M P, care American Florist.

Help Wanted—Two men, single; good growers of cut flowers and general pot plants. Address Y Z, care American Florist.

Help Wanted—Assistant rose grower; must be good man. Address C. H. FREY, 1133 O St., Lincoln, Neb.

Help Wanted—Competent storeman. References required. Address CENTRAL GREENHOUSES, Sandusky, O.

Help Wanted—At once; a young man capable of taking charge of a small retail place of about 7,000 feet of glass. Wages \$50.00 per month without board. Address F. B. TINKER, Peru, Ind.

Help Wanted—A young man man with some experience, for general greenhouse work, in a first-class retail place. Situation permanent for the right man. Address THEO. BOCK, Hamilton, O.

Help Wanted—A good rose grower as foreman for section; ability to handle men under him. Good position for married man. Chicago man preferred. Greenhouses in Chicago. Wages \$15.00 per week. Address CHICAGO, care American Florist.

Help Wanted—By June 20, experienced man for general greenhouse work; must be sober, reliable and a good worker. One with some experience in greenhouse building preferred. Wages \$12.00 per week. References required. Address J. A. BISSINGER, Lansing, Mich.

Help Wanted—An up-to-date florist, who has from \$500 to \$5,000 to invest in an established greenhouse business of growing cut flowers. State wages wanted and give references, as to character and ability as a grower. Address BUSINESS, care American Florist.

Help Wanted—At once, a working foreman, to take charge of 20,000 feet of glass. Must be good grower of roses, carnations, 'mums and general stock. Wages \$61 per month to start. Send copy of references with application. Also a young man as helper; must have five or six years' experience in growing stock. State wages expected and send references. Address U P, care American Florist.

Wanted—Gardener as partner, a competent and practical man; small capital preferred. A good opportunity, near a growing city. Address B M 12, Seattle, Wash.

Wanted to Rent—Small fl rist place of about 6,000 to 10,000 feet of glass, with or without stock. Indiana, Illinois or Ohio preferred. Address H. E. MIRTINO, Kokomo, Ind.

Wanted—To rent greenhouse establishment of 20,000 or more feet of glass. Place must be in good shape, within 15 miles of Chicago. Will buy stock. Address J J, care American Florist.

Wanted Partner—With money to develop and enlarge a good paying business; 3,600 feet of glass, want to double or treble size of plant. It is too small for present needs. Population 4,000. Other towns in easy reach. Partner who understands gardening preferred. For particulars, address Box 376, Richmond, Mo.

For Rent—4,000 square feet of glass; good location. Address 1309 5th St., Milwaukee, Wis.

For Rent—Four greenhouses, 10,000 ft. of glass; everything in good order; only greenhouse here; population 40,000. Would sell on easy terms. Address L. O'SULLIVAN, West Superior, Wis.

For Sale—Very cheap, second-hand section of the Advance boiler; several only used a short time. For particulars, address P. M. KEIFFER, Station E, Milwaukee, Wis.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. Address JAS. RICHARDSON, London, O.

For Sale—Florist and market gardening place at auction, 10:00 a. m. Thursday, June 23; 7,000 feet of glass, steam heat, house, barn, 25 acres land, stock, tools, crops, near 15,000 population, on electric road. Fine cha ce. Address A. F. JOHNSON, Gardner, Mass.

For Sale—Cheap if sold at once; reason for selling, owner leaving country; six greenhouses, cold frames, covering 15,000 feet of glass; well stocked, doing wholesale and retail business; 5-room dwelling house. Address A. SVENSON, 56 Central Ave., East Providence, R. I.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address SAMUEL J. BUNTING, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—A bargain for \$700, four greenhouses, 6,440 square feet of glass, windmill, tower, sheds, wagons, plenty of mixed stock, 12,000 carnations in field, 50,000 pots, 36 tubular hot water boiler, one bench of nice roses, 'mums and smilax. For particulars, write or come and see. Must sell; poor health. Address FLORIST, Box 244, Waverly, Ill.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 11 large greenhouses, 20 lots 125 feet deep, 50 feet frontage, fine dwelling house, etc., with modern conveniences; plenty of water and coal; good soil; everything in first-class order; all new. Have other business; have to give this up. There is money in it. I have made money, so can you. Try it. Terms reasonable. Address W W, care American Florist.

FOR SALE. A Rare Opportunity. The greenhouse department of an Illinois nursery firm, covering about 30,000 feet of glass; located on electric street car line and three paved streets; eight minutes ride from court house. Good local and mail order trade. Established over fifty years. Population 30,000; four railroads; American and U. S. Express Co.'s. Only two other florists in city. Parties desire to sell on account of other interests. Address P, care American Florist.

Flower Seed Man

WANTS POSITION as manager of the flower seed and bulb department of a prominent firm doing a general retail and wholesale business. 20 years' thorough, practical and commercial experience in flower seeds and bulbs; well up in composition of catalogues and advertising. Position must be permanent. Address "Flowerman, care Am. Florist, 42 West 28th St., New York.

Greenhouses For Sale.

Fine location in Waltham, Mass. Established retail business. 8,350 square feet of glass, work room, stable, etc. Two acres of good land. Horizontal tubular boiler, new last fall. All to be sold at a very low figure. Inquire of

ANNA W. KIDDER, Waltham, Mass.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.
Please mention the American Florist when writing.

Wholesale Flower Markets

MILWAUKEE, June 16.

Roses, Beauty, long per doz.	3.00
" " med.	1.50@ 2.00
" " short	4.00@ 8.00
" " Liberty	2.00@10.00
" " Chatenay	2.00@ 8.00
" " Bride, Bridesmaids	2.00@ 5.00
" " Meteor, Golden Gate	2.00@ 5.00
" " Perle	2.00@ 5.00
Carnations	.75@ 2.00
Smilax	15.00
Asparagus	35.00@50.00
Valley	3.00
Harrisii	8.00@10.00
Peonies	2.00@ 5.00
Sweet peas	.50@ 1.00
Adiantum	1.00

PITTSBURG June 16.

Roses, Beauty, specials	25.00@30.00
" " extras	15.00@20.00
" " No. 1	8.00@10.00
" " ordinary	3.00@ 5.00
" " Bride, Bridesmaid	2.00@ 6.00
" " Meteor	2.00@ 6.00
" " Liberties	3.00@12.00
" " Kaiserin	2.00@ 8.00
Carnations	.50@ 3.00
Lily of the valley	3.00@ 4.00
Smilax	10.00@15.00
Asparagus, strings	30.00@50.00
Asparagus Sprengeri	2.00@ 3.00
Lilies	6.00@10.00
Daisies	.50@ 1.00
Gladioli	6.00@12.00
Iris	3.00@ 4.00

CINCINNATI, June 16.

Roses, Beauty	1.00@ 3.00
" " Bride, Bridesmaid	2.00@ 5.00
" " Liberty	3.00@ 6.00
" " Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Harrisii	8.00@12.50
Peonies	4.00

St. Louis, June 16.

Roses, Beauty, long stem	1.50@2.50
" " Beauty, medium stem	1.00@1.50
" " Beauty, short stem	.35@ 1.00
" " Bride, Bridesmaid	2.00@ 4.00
" " Golden Gate	2.00@ 4.00
Carnations	1.0@ 2.00
Smilax	15.00
Asparagus Sprengeri	2.00@ 3.00
" " Plumosus	25.00@50.00
Ferns, Dagger per 1000	1.50
Callas	8.00@10.00
Harrisii	8.00@10.00
Adiantum	1.00
Peonies	3.00@ 3.50
Sweet peas	.25@ .50

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

Peonies! Peonies! Peonies!

We have the finest lot and best assortment of Fancy Peonies that come to this market. We handle them by the car load.

Our FESTIVA MAXIMA, "White," has flowers very double, 6 to 8 inch diameter, stems 3 feet long. Price, \$8.00 per 100.

ASSORTED PEONIES, all colors, fine stock, \$3.00 to \$6.00 per 100.

Later we shall have the fancy large-flowered variety, R. R. SUPERBA, which you must have.

AMERICAN BEAUTY	Per Dozen.		Per 100
36-inch stems	\$3.00	Valley	\$2.00 to \$4.00
24 to 30-inch stems	2.50	Harrisii	10.00 to 12.50
18 to 24 "	1.50 to 2.00	Asparagus Sprengeri, sprays	2.00 to 4.00
12 to 18 "	1.00	" Plumosus, string, 50c each	
	Per 100	Fancy Ferns	per 1000, \$2.00 .25
Bride and Maid	\$4.00 to 6.00	Galax, Bronze, Green, 1000,	\$1.25 .15
Golden Gate	4.00 to 6.00	Adiantum	1.00
Liberty, Chatenay	6.00 to 12.00	Smilax	15.00 to 20.00
Carnations	1.00 to 2.00	Sweet Peas	.50 to 1.00

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

NOTICE TO THE TRADE.

PETER WEILAND,

Successor to Reinberg & Welland

Has leased Room 18, 128 East Third Street, Cincinnati, O., for Wholesale Business. The greenhouses at New Castle, Ind., are planted with American Beauty, Bride and Bridesmaid Roses, four benches of Asparagus and one bench of Sweet Peas. I also have a field of 4,000 Peonies, which will produce from 40,000 to 50,000 flowers, ready to pick from June 1.

PRICE LIST.

AMERICAN BEAUTY,	Per Doz.		Per 100
36-inch stems	\$3.00	BRIDESMAID, long	\$5.00
24 to 30-inch stems	2.50	" " medium	3.00
12 to 18-inch stems	\$1.00 to 1.50	" " short	2.00
	Per 100	PEONIES	\$4.00 to 6.00
Short stems	\$2.50	Peonies	in all colors from cold storage, at \$1.00 to \$6.00 per 100.
BRIDE, long	5.00		
" " medium	3.00		
" " short	2.00		

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Pittsburg Florist Exchange

WHOLESALE FLORISTS.

228 Diamond St., Pittsburg, Pa.
CONSIGNMENTS SOLICITED.

WM. MURPHY,

Grower and Commission Dealer in

Cut Flowers and Florists' Supplies,

128 East Third St., CINCINNATI, O.

'Phones, Main 980. West 1191-R.

Brant & Noe Floral Co.,

CROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

H.G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

SUCCESSFUL SELLERS.....

are the successful growers who advertise in

THE AMERICAN FLORIST.

PEONIES FOR JUNE WEDDINGS AND COMMENCEMENTS

These are the popular flowers of the season. We can fill all orders with choice stock at \$3.00 to \$4.00 per 100.

Asparagus is scarce but we have plenty of Smilax, \$2.00 per dozen; \$15.00 per 100. Plenty of New Common Ferns.

ALL CUT FLOWERS IN SEASON.

—SEND US 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, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 36-inch stem.....	\$3.00
24-inch stem.....	2.50
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	1.00
Short stems, \$4.00 to \$6.00 per 100	
	Per 100
Bride, Maid, Meteor and Gate...	\$3.00 to \$ 6.00
Liberty.....	4.00 to 8.00
Kaiserin.....	3.00 to 8.00
Carnations.....	1.00 to 1.50
" large and fancy.....	2.00 to 3.00
Peonies.....per doz., 35c to 50c	2.00 to 4.00
Valley.....	1.00
Poet Narcissus.....	
Mignonette, per doz.....35c to 50c	
Sweet Peas.....	.50 to .75
Forget-me-nots.....	1.00
Marguerites.....	.50 to .75
Callas, per doz..... \$1.00 to \$1.25	
Harrisii, per doz..... 1.00 to 1.50	
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns..... per 1000, \$2.00	.25
Galax..... per 1000, 1.25	.15
Adiantum.....	.75 to 1.00
Smilax..... per doz., \$2.00	
Leucothoe Sprays.....	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

WHOLESALE FLORISTS

CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and **Cut Flowers**
Growers of

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Frank Garland, Wholesale Grower of CUT FLOWERS.

SPECIAL ATTENTION GIVEN TO HARDY CUT FERNS.

Room 218, 51 Wabash Avenue, CHICAGO.
Telephone Central 3284.

A. L. RANDALL CO. Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**

Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.

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.

It is good business policy to mention

The.... **AMERICAN FLORIST**

When you write to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **WHOLESALE CUT FLOWERS**
A Specialty..... GROWER of

HOLTON & HUNKEL CO., -- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, June 17.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 " "	2.00@2.50
" " 15 to 18 " "	1.50@ 2.00
" " 12 " "	1.00@1.50
" Liberty.....	4.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 1.50
" fancy.....	2.00@ 3.00
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
sprays 2.00@6.00	
Sprengeri.....	3.00@ 6.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000	2.00@ 2.50
Smilax.....	15.00@20.00
Callas..... 1.00@ 1.25 per doz.	
Harrisii..... 1.00@ 1.50 " "	
Sweet peas.....	.75@ 1.00
Peonies.....	2.00@ 5.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.
All telegraph and telegraph orders given prompt attention.

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.

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. 35-37
GREENHOUSES: Randolph Street,
Morton Grove, ILL. CHICAGO, ILL.

WEILAND - AND - RISCH

CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS,
59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

ABERDEEN, S. D.—C. A. Spink's greenhouse was struck by lightning and 200 feet of glass was destroyed on June 9. One and one-half inches of rain fell.

Leo Niessen

FOR JUNE WEDDINGS and
COMMENCEMENTS,
VALLEY, BEAUTIES,
SWEET PEAS.

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

After October 1st, Store will be open
from 7:00 A. M. till 8:00 P. M.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.
QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

N. F. McCARTHY & Co.,
WHOLESALE
FLORISTS.
MANUFACTURERS
AND IMPORTERS OF
FLORISTS SUPPLIES.
AUCTION SALES OF PLANTS
84 HAWLEY STREET,
.....BOSTON.

WELCH BROS. CITY HALL CUT FLOWER MARKET,
15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale
Flower Market.
1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.
Open from 7 A. M. to 6 P. M. Telephones.



Fancy and Dagger Ferns, A No. 1 Quality
\$1.00 per 1000.

Very fine Bronze and Green Galax selected stock. \$1.00 per 1000. Laurel Festooning, hand made, good and full, \$5.00 and \$6.00 per 100 yards. Green Moss, \$1.00 bbl. Sphagnum Moss, \$1.00 per bbl.; per bag 50c. Braoch Laurel, 50c per bundle. Discount on large orders.

Orders by mail, telegraph or telephone will receive our personal attention.

Henry M. Robinson & Co., 11 PROVINCE ST., Boston, Mass.
L. D. Tel., 2818 Main.

THOMAS YOUNG, Jr.
WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing

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.

Please mention the American Florist when writing.

N. Lecakes & Co.



53 W. 28th St., and
46 W. 29th St., Also
at 26th St. and 34th
St. Markets



NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.

Please mention the American Florist when writing.

VANCOUVER, B. C.—On June 21 and 22
the Horticultural Society will hold its
first rose exhibition. Prizes will be
awarded for the best bloom of any indi-
vidual variety.

Wholesale Flower Markets

BOSTON, June 15.

Roses, Beauty, extra.....	8.00@15.00
" " medium.....	5.00@ 6.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid.....	1.00@ 3.00
" extra.....	4.00@ 6.00
" Liberty.....	2.00@ 6.00
Carnations.....	.50@ 1.00
" Fancy.....	1.50@ 2.00
Lily of the valley.....	2.00@ 4.00
Harrisii lilies, Calla.....	4.00@ 6.00
Smilax.....	12.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Peas.....	.25@ .50
Peonies.....	2.10@ 4.10

PHILADELPHIA, June 15.

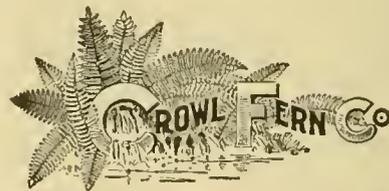
Roses, Tea.....	3.00@ 5.00
" extra.....	6.00@ 8.00
" Beauty, extra.....	10.00@16.00
" firsts.....	6.00@ 8.00
" Queen of Edgely, extra.....	10.00@16.00
" firsts.....	6.00@ 8.00
Carnations.....	.100@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Soap Dragon.....	4.00@ 6.00
Sweet peas.....	.50@ .75
Peonies.....	3.00@ 6.00

BUFFALO, June 16.

Roses, Beauty.....	3.00@25.00
" Bride, Bridesmaid, Meteor.....	2.00@ 8.00
Carnations.....	.50@ 3.00
Harrisii.....	8.00@12.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strigis.....	40.00@50.00
Smilax.....	15.00
Adiantum.....	.50@ 1.00
Callas.....	5.00@ 8.00
Sweet Peas.....	.40@ .75
Peonies.....	1.50@ 4.00

FANCY AND DAGGER FERNS.

75c per 1000. Galax, 75c per 1000; \$6.50 per case
10,000. Southern Smilax, \$6.00 per case 50 lbs. Use
our Mountain Laurel for your decorations, 4c, 5c
and 6c per yard. Made fresh daily from the woods.
Flowering Laurel in its season. Can ship large
or small lots, 5c for a nice bunch with lovely
pink blossoms. Just what you want for your
June decorations.



Tel. Office, New Salem, Mass. Millington, Mass.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration)
Write, Wire or Phone the Introducers,

CALDWELL THE WOODSMAN CO., Evergreen, Ala.,
or their agents: J. B. Deamud, Chicago, Ill.; W.
F. Kasting, Buffalo, N. Y.; Leo Niessen, Phila-
delphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.;
J. M. McCullough's Sons, Cincinnati, O.; Reed &
Keller, New York City; Holton & Hunkel, Mil-
waukee, Wis.; H. G. Berning, St. Louis, Mo.;
Barteldes & Co., Denver, Colo.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, M. CH.

SUCCESSFUL SELLERS

are the successful growers who advertise in

THE AMERICAN FLORIST

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Telephone 2085 Madison Sq. Wholesale Florists.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan, Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madleon Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 67 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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. Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 956 Madison Sq. 115 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. New York. Cut Flower Exchange.

OPEN 6:00 A. M.

An Unequaled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses. Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange. New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, June 15.

Roses, Beauty, Liberty, best.....	8.00@12.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 1.00
" Bride, Bridesmaid, G. Gate.....	.50@ 5.00
" Kaiserin, Carnot.....	2.00@ 6.00
Carnations.....	.25@ 1.00
" fancy and novelties.....	1.50@ 3.00
Lily of the valley.....	1.00@ 3.00
Lilies, Callas.....	2.00@ 4.00
Smilax.....	6.00@12.00
Adiantum.....	.35@ .75
Asparagus.....	.25.00@50.00
Mignonette.....	1.00@ 2.00
Peonies.....	1.00@ 6.00
Gardenias.....	5.00@10.00
Stocks.....	.10@ .25 per bun.
Sweet peas.....	.01@ .06 per bun.
Moss Roses.....	.25 per bun.
Gladioli.....	4.00@ 6.00

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Always mention the American Florist when you order stock.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK. Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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 1664 and 1665 Madison Square.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,
WHOLESALE FLORISTS.

Daily Reports. Weekly Payments.
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER.

CARNATIONS My Speciality.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St. New York.
Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.

43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,

546 Fifth Avenue,

Cor. 45th. St. N.W New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL.

WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing.

LONDON.

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.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,

Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

Bertermann Bros. Co.,

FLORISTS,

24 1/2 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, L Dist. 'Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Campania	1	Sat. June 18, 10.00 a. m.	June 25
New York.....	"	Etruria	1	Sat. June 25, Noon.	July 2
Boston.....	"	Saxonia	1	Tues. June 21, 4.00 p. m.	June 29
New York.....	Glasgow	Laurentian	2	Thur. June 23, Noon.	July 3
Montreal.....	Liverpool	Bavarian	2	Sat. June 18,	June 26
Montreal.....	"	Parisian	2	Sat. June 25,	July 3
New York.....	Hamburg	Auguste Victoria	3	Thur. June 16, 10.00 a. m.	June 26
New York.....	"	Bleucher	3	Thur. June 23, 1.30 p. m.	July 3
New York.....	"	Pennsylvania	3	Sat. June 25, 3.00 p. m.	July 5
New York.....	Genoa	Prinz Adalbert	3	Sat. June 25, 9.00 a. m.	July 10
New York.....	Copenhagen	Island	4	Sat. June 18, 2.00 p. m.	June 28
New York.....	"	Oscar II	4	Wed. June 22, 2.00 p. m.	July 2
New York.....	Glasgow	Anchoria	5	Sat. June 18, Noon.	June 28
New York.....	"	Columbia	5	Sat. June 25, 4.00 p. m.	July 5
New York.....	London	Minneapolis	6	Sat. June 18, 9.00 a. m.	June 28
New York.....	"	Mesaba	6	Sat. June 25, 9.00 a. m.	July 5
New York.....	Liverpool	Cedric	7	Wed. June 15, 6.00 a. m.	June 22
New York.....	"	Majestic	7	Wed. June 22, 10.00 a. m.	June 29
New York.....	"	Arabic	7	Fri. June 24, 3.00 p. m.	July 2
Boston.....	"	Cymric	7	Thur. June 16, 11.00 a. m.	June 24
Boston.....	Genoa	Romæic	7	Sat. June 18, 1.00 p. m.	July 2
New York.....	Southampton	Philadelphia	8	Sat. June 18, 9.30 a. m.	June 25
New York.....	"	St. Louis	8	Sat. June 25, 9.30 a. m.	July 2
New York.....	Antwerp	Zeeland	9	Sat. June 18, 10.30 a. m.	June 27
New York.....	"	Finland	9	Sat. June 25, 10.30 a. m.	July 4
New York.....	Havre	La Gascogne	10	Thur. June 16, 10.00 a. m.	June 26
New York.....	"	La Savoie	10	Thur. June 23, 10.00 a. m.	July 3
New York.....	Rotterdam	Potsdam	11	Tues. June 14, 10.00 a. m.	June 24
New York.....	"	Rotterdam	11	Tues. June 21, 10.00 a. m.	July 1
New York.....	Genoa	Sicilia	12	Tues. June 14,	June 29
New York.....	"	Lombardia	12	Tues. June 21,	July 6
New York.....	Bremen	Kaiser Wilhelm II	13	Tues. June 14, 6.00 a. m.	June 21
New York.....	"	Barbarossa	13	Thur. June 16, Noon.	June 26
New York.....	"	K. Wil. Der Grosse	13	Tues. June 21, 10.00 a. m.	June 28
New York.....	"	Frdk. Der Grosse	13	Thur. June 23, 1.00 p. m.	July 2
New York.....	Genoa	Konig Albert	13	Sat. June 25, 11.00 a. m.	July 8
Boston.....	Liverpool	Bohemian	14	Wed. June 15, 10.30 a. m.	June 25
Boston.....	"	Canadian	14	Wed. June 22, 5.00 a. m.	July 2
Montreal.....	"	Cambroman	15	Sat. June 18,	June 28
Montreal.....	"	Canada	15	Sat. June 25,	July 5

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

JOHN BREITMEYER'S

SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs.***

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

The Park

Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

JULY 8th

The Nickel Plate Road will run an excursion to Chautauqua Lake and return at one fare for the round trip, from Chicago with return limit of August 9th, by depositing ticket. Transportation good on any of our three daily trains. Cheap rates to other eastern points. No excess fare charged on any train on Nickel Plate Road. Individual Club Meals ranging in price from 35c to \$1.00; also service a la carte, in Nickel Plate dining-cars. Write John Y. Calahan, General Agent, 113 Adams St., Room 293, Chicago, for particulars. Chicago city ticket offices, 111 Adams St. and Auditorium Annex. Phones Central 2057 and Harrison 220S.

11.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Lucania	1	Sat. June 18	June 24
Liverpool.....	"	Umbria	1	Sat. June 25	July 2
Liverpool.....	Boston	Ivernia	1	Tues. June 21	June 28
Glasgow.....	New York	Numidian	2	Sat. June 18	June 28
Glasgow.....	"	Mongolian	2	Sat. June 25	July 5
Liverpool.....	Montreal	Tunisian	2	Thur. June 16	June 24
Liverpool.....	"	Pretoria	2	Thur. June 23	July 1
Hamburg.....	New York	Moltke	3	Thur. June 16	June 26
Hamburg.....	"	Deutschland	3	Thur. June 23	June 30
Hamburg.....	"	Pretoria	3	Sat. June 25	July 5
Genoa.....	"	Prinz Oskar	3	Sat. June 25	July 10
Copenhagen.....	"	United States	4	Wed. June 15	June 25
Copenhagen.....	"	Norge	4	Wed. June 22	July 2
Glasgow.....	"	Furnessia	5	Thur. June 16	June 26
Glasgow.....	"	Ethiopia	5	Thur. June 23	July 3
London.....	"	Minnetonka	6	Sat. June 18	June 28
London.....	"	Mionehaha	6	Sat. June 25	July 5
Liverpool.....	"	Oceanic	7	Wed. June 15	June 22
Liverpool.....	"	Teutonic	7	Wed. June 22	June 30
Liverpool.....	"	Celtic	7	Fri. June 24	July 2
Liverpool.....	Boston	Cretic	7	Thur. June 16	June 24
Liverpool.....	"	Republic	7	Thur. June 23	July 1
Naples.....	"	Canopic	7	Wed. June 15	June 27
Southampton.....	New York	Germanic	8	Sat. June 18	June 25
Southampton.....	"	St. Paul	8	Sat. June 25	July 1
Antwerp.....	"	Vaderland	9	Sat. June 18	June 27
Antwerp.....	"	Kroonland	9	Sat. June 25	July 4
Havre.....	"	La Bretagne	10	Sat. June 18	June 28
Havre.....	"	La Lorraine	10	Sat. June 25	July 5
Rotterdam.....	"	Noordam	11	Sat. June 18	June 28
Rotterdam.....	"	Staateadam	11	Sat. June 25	July 5
Genoa.....	"	Liguria	12	Mon. June 13	June 28
Bremen.....	"	Kronprinz Wilh.	13	Tues. June 14	June 21
Bremen.....	"	Grosser Kurfuerst	13	Sat. June 18	June 28
Bremen.....	"	Prinzess Alice	13	Sat. June 25	July 5
Genoa.....	"	Konigin Louise	13	Thur. June 16	June 29
Liverpool.....	Boston	Winifredian	14	Sat. June 18	June 28
Liverpool.....	"	Devonian	14	Sat. June 25	July 5
Liverpool.....	Montreal	Vancouver	15	Thur. June 23	July 2

* See steamship list on opposite page.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Current Price List.

AM. BEAUTIES, long stems,	Per Doz.
" " 30-in. "	\$3.00
" " 20-24 "	2.50
" " 15-18 "	2.00
" " Short stems.....	1.50
	Per 100
CHATENAY.....	\$6.00 to \$8.00
LIBERTY.....	6.00 to 8.00
BRIDE.....	3.00 to 6.00
BRIDESMAID.....	3.00 to 6.00
CARNATIONS.....	1.50 to 2.00
ROSES, OUR SELECTION.....	4.00

All flowers are perfectly fresh and properly packed.
No charge for P. and D. on orders over \$5.

Please mention the American Florist when writing.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS

And Dealers in **FLORISTS' SUPPLIES**
All Kinds of

At Chicago Market Rates.

42-44 E. Randolph St., CHICAGO.

GALAX LEAVES.

Brilliant Bronze or Green. Selected stock, full count, \$1.00 per 1000; \$3.75 per 5000.

Sphagnum Moss, clean picked stock, large bale, \$1.75 each; by freight, \$2.00 each.

All Kinds of Decorative Greens and Florists' Supplies.

Tel. 597 Madison

L. J. KRESHOVER,

Square. 110-112 W. 27th St., New York.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax |

Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

FOURTH OF JULY.

One fare for the round-trip, plus twenty-five cents, July 2nd, 3rd and 4th, within two hundred miles from starting point on Nickel Plate Road. Return limit July 5th. Chicago Depot: La Salle and Van Buren Sts. City Ticket Offices, 114 Adams St. and Auditorium Annex. Telephones Central 2057 and Harrison 2208. 9.

SAUGUS, MASS.—William Miller & Sons, of Lynn, have sold their ten-acre estate in Saugus, including two dwelling houses, three stables and a complete hothouse plant comprising three greenhouses to Malcolm Orr of Wollaston, who will improve and enlarge the plant for the propagation of English violets.

FOR

June Weddings

AND COMMENCEMENT EXERCISES.

PEONIES

We are large handlers of this old favorite flower and can supply them in any quantity.

\$2.00 to \$5.00 per 100, according to quality and variety.

LILY OF THE VALLEY, Fancy Selected.

SWEET PEAS, all colors. ASPARAGUS PLUMOSUS, SMILAX, ROSES, CARNATIONS, Etc.

HEADQUARTERS FOR HARDY FERNS.

A DAILY CUT FROM 40 GROWERS. "Highest Quality" as well as "Under Grades" at ruling market quotations. We can and will supply your Cut Flower wants to advantage. We carry the most complete line of Florists' Supplies in the West. Catalogue Free.

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E. F. WINTERSON. JOHN P. DEGNAN. L. H. WINTERSON. Successors to McKellar & Winterson.

45-47-49 Wabash Ave., CHICAGO.

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Fancy Roses Everything in... Fancy Carnations

PITTSBURG CUT FLOWER COMPANY, Ltd.,
504 Liberty Avenue, PITTSBURG, PA.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Secy and Treas.
Twenty-second annual convention, St. Louis, Mo., June 21-23, 1904.

NEW YORK.—B. Suzuki starts westward June 23, and will sail from Vancouver for Japan July 4.

VISITED ST. LOUIS.—Louis Goepfinger, of Peignaux & H. Lorin, wholesale seed growers of Angers, France. He was in attendance at the fair several days.

SAN JOSE, CAL.—Hot weather last Saturday, Sunday and Monday reduced the sweet pea seed crop one-half. It is too early at this writing to estimate damage done to other crops.

RETAIL seedsmen are racking their minds for profitable summer window displays. Insecticides with odds and ends of lawn tools, pruners, etc., are about all that is available.

WE need for our files a copy of the annual report of the American Seed Trade Association for 1890 and anyone having a copy to spare will oblige by communicating with this office.

VISITED CHICAGO: E. F. Crossland, with Steele Briggs Seed Company, Toronto, Ont.; M. Wilhelmi, of Barteldes & Company, Lawrence, Kan.; L. L. Olds, of Clinton, Wis.; Charles Cole, representing D. M. Ferry & Company, Detroit, Mich., accompanied by his wife.

Archibald Smith.

Archibald Smith, manager of the seed department of the Joseph Breck & Sons Corporation, Boston, for the past sixteen years, has resigned his position and will sail with his family for Liverpool, June 21, on the Saxonnia, he having purchased the old Prince seed business which has been established 100 years on Market street, Oxford.

Mr. Smith was born at Stranraer, Scotland, his father being of the well-known nursery firm of Thos. Smith & Sons. He served his apprenticeship at Glasgow, then went to Northampton for a number of years, whence he returned to his father's nurseries for a short period and then came to Boston where he was first employed with Parker & Wood and on the discontinuance of that concern took the position with Breck, which he has filled acceptably ever since. He goes with the best wishes of the Breck Corporation and his business associates there, for his prosperity in the new field.

When bidding good-bye to his associates in the Joseph Breck & Sons Corporation Mr. Smith was surprised by the employes, who presented him with a gold watch suitably inscribed, his successor, John F. Sharkey, making the presentation address. Two days later the corporation presented him with a solid silver after-dinner coffee service, the presentation being made by Chas. A. Breck, Mr. Smith responding appreciatively.

Newport, R. I.

A very cool week for June, and every day with one exception a rainy one, is the weather record since I last wrote you. Planting and garden making are

about over and now we need some seasonable weather. All florists have had a good run on bedding plants and are well satisfied. A large quantity of plants will yet be used by the summer people all through this month and well into next, so on the whole it now looks as if there would be very little left. At wholesale geraniums in 3½-inch pots have sold for \$6 per 100 and retailed for \$1 per dozen; verbenas, petunias, salvias, etc., in 2½-inch pots have sold for \$3 per 100, and by the dozen for 50 to 60 cents. Cut flowers have gone hard lately; there has been at times no market at any price. A few weddings this week have helped out, but the flower business is dull and will be until the season gets into full swing next month and the social functions begin in earnest on the avenue.

For the Griffith-Stewart wedding the Kay chapel was decorated by F. L.



Archibald Smith.

Ziegler, the general color scheme of the decorations being white and green. Huge palms and potted plants filled the chancel and on the altar were brass vases filled with snowballs and white roses. The church windows were filled with small palms, potted plants and white wild flowers, the effect against the stained-glass windows being very pleasing. Ziegler also did the house for the wedding breakfast, and it looked very pretty with palms and various white flowers.

Jas. S. Cowles has again been awarded the contract to roll the beautiful Casino grounds for the annual tennis games, which he has done for more than twenty years. Mr. Cowles is the owner of a steam roller made by the late Professor Fairman Rogers and presented to him when the latter left Newport.

The progress committee has arranged to establish an information bureau on Thames street, where visitors to Newport can be directed by signs placed about the railroad and steamboat landings and there get any information about the city they may require.

Some of the gardeners lost their nymphaeas last winter, ponds and tanks that had two feet of water freezing solid to the earth. The Marliacea varieties are the popular hardy sorts, being very

strong growers and flower throughout the entire season.

Dr. Birney, president of the Jamestown Golf and Country Club, is having the links put in condition for the season's play. The grounds have been seeded and rolled and a number of enthusiasts have already begun playing.

A trip among the grape growers shows that a good crop of both black Hamburgs and Muscat of Alexandria is assured. The few that have already been sold brought \$1.50 to \$1.75 per pound at wholesale.

There is the usual demand for pea brush both for sweet and garden peas, and it sells for 20 cents per bundle; bean poles bring \$1 and \$1.50 per dozen for cedar and oak respectively. Everybody buys them.

At the Island cemetery this week many beautiful floral tributes were laid on a grave. After the burial the relatives returned later in the day to find the ribbons and part of the flowers stolen.

Mrs. Ogden Golet is having made by the Geo. A. Weaver Company some seventy-five large oak tubs for her bays of which she has a very large collection, probably the largest in Newport.

Thomas Galvin has had a great run on geraniums this season; he grew some 25,000 and he getting toward the end of them. His S. A. Nutt have been especially well grown and have sold at sight.

The official bulletin and programme of the Newport Casino for 1904 is now being arranged. This will include the summer music, tennis and other sports.

V. A. Vanicek has been renewing the evergreens on the grounds of the First Presbyterian church, a great many having been killed during the winter.

Andrew Johnson buried his daughter, Annie Beatrix Johnson, last Wednesday; she was 21 years of age. Mr. Johnson is head gardener for Mrs. David King.

Visitor: D. M. Pray, representing the Eastern Chemical Company, of Boston, Mass. X.

Albany, N. Y.

The month of June has been very prolific of functions that require the services of the florist. Among the number may be mentioned the Easton-Stanton wedding at St. Paul's church on June 8, the commencement of the State Normal College, the closing exercises of St. Agnes' school and of the Female Academy all of which caused considerable demand for flowers and made much work for the florists' employes.

King & Company did a very neat house decoration on a recent Saturday evening, the occasion being the twentieth anniversary of the marriage of Mr. and Mrs. J. L. Steefel, of Madison avenue. The firm used American Beauty roses in considerable numbers and for favors bunches of pink sweet peas tied with costly linen handkerchiefs were used.

Ernest Schoepke, representing W. A. Manda, Inc., South Orange, N. J., was in the city early this week. R. D.

NIAGARA FALLS, N. Y.—Peter Loretto, has opened a salesroom at S W. Falls street, where he has a beautiful display of potted plants and cut flowers.

MAYNARD MASS.—This vicinity was visited on Thursday, June 9, by two snow storms, the flakes falling until the unusual spectacle of white fields and gardens in June was presented. Peonies, fly-screens, lawn mowers and snow is a combination certainly worthy of record.



W. F. KASTING
Sole Distributor,
BUFFALO, N. Y.

GENERAL JOBBING AGENTS:

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| VAUCHAN'S SEED STORE,
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| F. R. PIERSON CO.,
Tarrytown, N. Y. | E. C. HILL CO.,
Richmond, Ind. |
| C. C. POLLWORTH CO.,
Milwaukee, Wis. | A. N. PIERSON,
Cromwell, Conn. |

The progressive, keen and discerning Florist will this year buy of this Standard Introduction that is freely conceded to be the best of all Adiantums.

A Great Acquisition.

The best of all ferns for cut fronds. Brings the highest prices. The easiest to grow and the easiest to sell. Has received the highest encomiums from the leading cut flower dealers in the country. **ADIANTUM CROWEANUM** originated at Utica, N. Y., about fourteen years ago, and has been extensively grown by the original owner, Mr. Crowe, who has received phenomenal prices for the cut fronds in the New York and other markets, and has created a great demand for it. Buy now. Buy liberally and reap the benefits. The fronds are long elegantly proportioned and of a texture that renders it the best keeper and shipper of all Adiantums. It is a very free and continuous grower, requires no rest and responds readily to fertilizers. Anyone can grow it and get good money for it.

Introducer's Description.

Free grower, the darkest green of the Adiantum family and longest stemmed. It has also the most graceful foliage; the average length of the fronds measuring 30 inches. It is by far the best keeper. Cut fronds can be kept fresh several weeks in a cool place. It is also one of the best ferns for a dwelling house. I have given presents of this fern to several Utica friends, and from my own observation note it grows better than the Boston fern. I gave up rose cultivation some ten months ago in order to devote all my attention to fern cultivation for cut fronds. I find from the same amount of bench room this fern pays me \$1.50 to every \$1.00 obtained from roses.

PETER CROWE.

MANY STRONG ENDORSEMENTS GIVEN IN OUR CIRCULAR OF TESTIMONIALS. FREE ON REQUEST.

Will be ready to ship, July 1, 1904, out of 3-inch pots, strong plants, at the following prices:—\$5.00 per doz.; \$35.00 per 100; \$250.00 per 1000; 25 at 100 rate; 250 at 1000 rate.

Also Stock Plants from bench, in size requiring 8 to 10-inch pots, \$9.00 per doz.; \$67.50 per 100; \$600.00 per 1000.

A booklet on growing this Fern, by the originator, Mr. Crowe, free with every shipment.

WM. F. KASTING, Sole Distributor.
383-87 Ellicott St., Buffalo, N. Y.

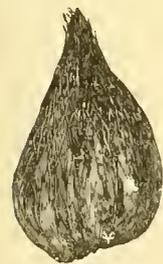
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QUEDLINBURG, GERMANY.
Grower and Exporter of Choice

Beet, Vegetable and Flower Seeds
PANSIES.

Mette's "Triumph of the Giants"
the most perfect and most beautiful in the world, \$6 00 per oz.; \$1.75 per 1/4 oz.; 75c per 1-16 oz. Postage paid. Cash with order.
Please mention the American Florist when writing.

Freesia Bulbs.



Bermuda White-Flowered.

This is the purest strain of white-flowered Freesias in existence.
Choice, 3/4 to 1/2-inch, per 100, 65c; per 1000, \$7.50.
Mammoth, 1/2 to 3/4-inch, per 100, \$1.00; per 1000, \$12.00.

Write for copy of our Import Bulb Catalogue.

Vaughan's Seed Store,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

Simple's Asters, Crimson, Lavender, Mary Simple and white \$2 50 per 1000. Cabbage, Late, Flat Dutch, Drumhead and Burpee's Surehead; nice plants. Tomatoes, Stone, Liv. Beauty, Paragon and Royal Red. \$1.00 per 1000; \$3.50 per 10,000. Cash, Adams and U. S. Express.
BYER FLORAL CO., Shippensburg, Pa.

MUSHROOM SPAWN.



Frequent importations from England. Always fresh and lively.

J. J. Styer, Concordville, Pa.
Please mention the American Florist when writing.

FROZEN VALLEY PIPS
\$15.00 per 1000.

WM. ELLIOTT & SONS, New York.

EXCURSIONS FOR THE FOURTH

Via the Nickel Plate Road, at one fare for the round trip, plus twenty five cents, July 2nd, 3rd and 4th, within radius of two hundred miles from starting point. Return limit July 5th. Three daily trains in each direction, with modern coaches and vestibuled sleeping cars, to Cleveland, Erie, Buffalo, New York, Boston and New England points. Passengers to points east of Buffalo have privilege of stopover at Niagara Falls in either direction, and also at Chautauqua Lake, during excursion season by depositing tickets. Individual American Club Meals, ranging in price from 35c to \$4.00, served in Nickel Plate Dining Cars; also service a la carte. No excess fare charged on any train on the Nickel Plate Road. Chicago Depot, corner La Salle and Van Buren, the only depot in Chicago on the Elevated Loop. City ticket offices, 111 Adams St. and Auditorium Annex. Telephones, Central 2057 and Harrison 2208.

Five Million Vegetable Plants.

Tomato, Acme, Stone, Earliest, D. Champion and others, \$1.00 to \$1.50; transplanted, \$2.50, \$5.00 and \$7.50 per 1000. Very strong.

Cabbage, special strain, Danish Ballhead, Winter, Alhead, Early Summer, Bridgeport, Drumhead, Red Rock, Savoy and Kale, per 10,000, \$8.50; per 1000, \$1.00; per 100, 15c.

Celeriac and Celery, White Plume, J. Hearth, Pascal, Hartwell's Perfect, Winter Queen, \$8.50 per 10,000; \$1.00 per 1000; 15c per 100. Transplanted White Plume, \$3.00 per 1000; 25c per 100.

Pepper, Ruby King, Sweet Mountain, Cayenne, and other varieties, \$1.50 per 1000. Transplanted, strong, \$3.50 per 1000.

Sweet Potato, Yellow Jersey, \$1.25 per 1000.

CASH WITH ORDER. PRICE LIST MAILED FREE.

Ludvig Mosbaek, Phone 105. Onarga, Ill., and South Chicago, Ill.

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LILY of the VALLEY PIPS
FROM COLD STORAGE.

In original cases of 500, 1000, and 2500. Prices on application.

CHAS. F. MEYER,
99 Warren St., NEW YORK.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus.

—SEED AND SEEDLINGS.—

Seed, \$3.50 per 1000. Larger quantities less. True to name and of highest germinating quality. Seedlings, ready for potting, \$12.00 per 1000. Express prepaid.

DRAKE POINT GREENHOUSES, Yalaha, Fla.

Please mention the American Florist when writing.

Celery PLANTS.
Strong and Stocky, \$1.25 per 1000. Cash, no checks.
PETER J. SCHUUR, Kalamazoo, Mich.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Twenty-ninth annual convention, Atlanta, Ga., June 22-24, 1904.

LEUCOTHOE FLORIBUNDA has all the good qualities of the popular *L. Catesbaei*, but with narrower leaves and more compact habit of growth.

In the vicinity of New York *Azalea amœna* lost its buds during the last winter with the exception of those that were below the snow line.

AZALEA DAWSONI, one of the newer Ghent-mollis hybrids is among the most beautiful of the hardy azaleas. The flower is waxy white with a yellow blotch.

WAUKEE, IA.—N. C. Wragg, president of the J. Wragg & Sons Nursery Company, has acquired the entire stock of the company. It was founded in 1878 by the late John Wragg.

DONGAN HILLS, N. Y.—A verdict of \$500 and costs has been returned by the jury in the case of Nathan Barrett, a landscape architect, against George Cromwell. Mr. Barrett's claim was for \$1,500 for drawings and plans for beautifying the property of Mr. Cromwell.

FLORISTS are not alone in needing to recoup for the losses of a hard winter. The valuable box trees, laurel and evergreens lost by frost in the east will not be soon or easily replaced. Every large place has lost thousands of dollars' worth and this loss should be made up in added prices to similar classes of stock.

ATLANTA, GA.—State Vice-President R. C. Berckmans, of the American Nurserymen's Association, has completed arrangements for a special train to Mayfield, Ga., on Friday after the convention to take conventionists to the orchards of Berckmans Brothers. After a day there they will go to Macon, spending the night there and going to Fort Valley to visit the Hale orchard and Ohio Fruitland Company.

Park and Outdoor Art Association.

The annual meetings of the American Park and Outdoor Art Association and the Civic Improvement League were held in the town hall of the model city, World's Fair Grounds, on Thursday, Friday and Saturday of last week. On Thursday forenoon the sessions of each society were devoted to reports of officers and standing committees, and the discussion and voting upon the merging of the two societies, which has been under consideration by committees for a year or more. The merging resolutions carried and committees on liquidation were appointed. In the afternoon the members of the Park and Outdoor Art Association took an automobile ride through Forest park and the World's Fair grounds and viewed the latter from the Ferris wheel, as guests of Park Commissioner Robert Aull, of St. Louis, and then went for dinner to the restaurant of the Tryolean Alps concession. In the evening Commissioner Aull escorted them through the "pike," visiting Hagenheck's and the Irish village.

On Friday morning, a joint session of

the two societies was held at which the retiring presidents delivered their annual addresses. J. Horace McFarland, president of the Civic Improvement League, urged that the work be regarded as philanthropic rather than for pecuniary gain. The address of Clinton Rogers Woodruff, of the Park and Outdoor Art Association, related to what may be done in the way of cleaning and beautifying cities, and special mention was made of the organization of juvenile organizations whose members were pledged to promote cleanliness and sightliness in their surroundings. Mention was made of the good work in New York city, Chicago and Kalamazoo, Mich.

Mrs. Chas. E. Milspaugh, president of the Women's Auxilliary, reported upon the work done by that organization, and this was followed by reports from the branch associations at Chicago, Boston, Ashland, Wis., Los Angeles, Louisville, Rockford and New Orleans. As Mayor Wells, of St. Louis, and President Francis, of the exposition, who were expected to speak at the afternoon session, could not be present, a part of the delegates went for an automobile ride through Tower Grove park while others visited the exhibit palaces.

In the evening, the members of both societies were the guests of the Civic Improvement League of St. Louis at a banquet in the East pavilion. The local committee of arrangements consisted of E. C. Elliott, D. J. Catlin, Robert Aull, Benjamin Taussig and Mrs. Ellen McCall. The final session was held on Saturday forenoon at which various papers relating to the work of the united societies were presented.

Convention of Park Superintendents.

The Association of New England Park Superintendents, which this week held its seventh annual convention at New Haven, Conn., voted to change the name to the American Association of Park Superintendents and elected the following officers: President, W. S. Egerton, Albany, N. Y.; vice-presidents, G. X. Amrhyn, New Haven, Conn., Byron Worthen, Manchester, N. H., W. F. Gale, Springfield, Mass., Robt. Cameron, Cambridge, Mass., J. F. Cowell, Buffalo, N. Y., J. F. Foster, Chicago, Ill.; secretary, J. W. Duncan, Boston, Mass.; treasurer, J. H. Hemingway, Worcester, Mass.

ATTENTION NURSERYMEN and FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Pæonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. **W. VAN KLEEF & SONS,**
The Nurseries, Boskoop, Holland.

August Rölker & Sons,

IMPORT TO ORDER

Manetti Rose Stocks for grafting. Forcing Lilacs, Lily of the Valley, Palma, Bay and Box Trees, Decorative Plants and Shrubs, Etc.

31 Barclay St. or P. O. Box 752, NEW YORK.

VAN DER WEIJDEN & CO.,

"The Nurseries," BOSKOOP, HOLLAND.

Wholesale } Ornamental Stock, Shrubs, Clematis,
Growers } H. P. Dwarf and Standard Roses, pot-
of } grown plants, Azaleas, Etc., Etc.

—Ask for prices. Catalogue free.—
First-class stock at moderate prices.

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LOUIS LEROY, ANGERS, (FRANCE)
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OVER 1000 ACRES OF FINEST CULTURES.
IMPORT & WHOLESALE ONLY
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SEEDLING STOCK, SHRUBS,
ORNAMENTAL TREES, EVER-
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SUPERIOR
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FINEST RAFFIA AND TREE SEEDS.

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EVERBLOOMING
THE BEST ROSE NOVELTY
Dwarf
Crimson
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Seed Store
CHICAGO,
NEW YORK.
ORDERS BOOKED NOW.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Please mention the American Florist when writing.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND:

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain
Please mention the American Florist when writing.

Jacs. Smits, Ltd.

NAARDEN and BOSKOOP, HOLLAND.

Growers of Pot-grown Forcing Plants, Roses, Valley, Spiræas, Evergreens and all kinds of Ornamental Nursery Stock.

Ask for price list and let us estimate on your list of wants. Address till June 1st, **JACS. SMITS,** care Mullus & Ware, 136 Water St., New York.

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Send to **THE MOON**
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Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
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The Cottage Gardens Co.

(Incorporated.)

Queens, Long Island, New York.

Nursery Book, giving descriptions of nursery stock, peonies, etc., mailed upon application.

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PEONIES TEN ACRES

of Bud and Bloom.

OUR FACILITIES FOR CUTTING, HANDLING AND SHIPPING ARE UNEXCELLED. LONG DISTANCES A SPECIALTY WITH US.

Doubles per hundred: Red, \$3.00; Pink, \$3.00 to \$4.00; White, \$5.00. We are the exclusive growers of the following

SPECIALS:

Festiva Maxima, White. The Queen, \$8.00 per hundred. The acknowledged

Lady Bramwell, Finest pink, \$5.00 per hundred.

RICHARDSON'S
Rubra Superba, Lawson shade. Favorite, \$6.00 per hundred. The great Chicago

If You want Something REAL SWELL Try Our Specials.

WRITE, WIRE OR PHONE LONG DISTANCE.

Chicago Carnation Co., Joliet, Ill.

SEASONABLE STOCK! Order Now!

	Per 100		Per 100
ASPARAGUS DECUMBENS, 2½-inch.....	\$ 4.00	GERANIUMS, Mt. Snow; Mrs. Parker.....	4.90
“ MYRIOCLADUS, 8-inch pots.....each,	\$7.00	“ Mrs. Pollock.....	5.00
“ PLUMOSUS, 2½-inch.....	4.00	“ Wm. Languth.....	8.00
“ “ 3-inch.....	7.00	GREVILLEA ROBUSTA, 2½-inch.....	3.00
“ “ 4-inch.....	15.00	HYDRANGEA OTAKSA, Thos. Hogg and Red Stemmed.....	4.00
“ “ 5-inch.....	25.00	LANTANA, Weeping.....	2.50
ABUTILON, Pres. McKinley.....	4.00	LEMON, American Wonder, 2½-inch.....	3.00
AGERATUM, Princess Pauline, Louis Bonnet.....	2.00	“ “ “ 3-inch.....	4.00
ALYSSUM, Double Giant.....	2.00	“ “ “ 4-inch.....	7.00
ACALYPHA, Bicolor Compacta, 2½-inch.....	3.00	PELARGONIUMS, best named sorts, 2½-inch.....	5.00
CALLA, Little Gem, 2-inch.....	3.00	“ best named sorts, 4-inch.....	12.50
CYPERUS ALTERNIFOLIUS.....	2.50	PENNISSETUM LONGISTYLUM, 2½-inch.....	4.00
CHRYSANTHEMUMS, best standard sorts.....	2.50	PHYLLOCTACTUS DEUTSCHE KAISERIN, 3-inch.....	15.00
“ “ Wm. Duokham.....doz.,	\$2.00	PRIMULA OBCONICA, 3-inch.....	4.00
“ “ Dr. Enguehard.....doz.,	5.00	PANDANUS UTILIS, 5-inch.....doz.,	\$4.00
“ “ Golden Chain.....	10.00	SAGE, Holt's Mammoth.....	2.50
“ “ Chito, Col. D. Appleton, Mrs. T. L. Parks, Mrs. Jerome Jones, Mrs. Robinson, Mrs. Perrin, Superba, White Bonnaillon, Yellow Jones, May Foster, Marian Newell, Marie Liger, Omega, W. H. Chadwick, Yellow Eaton, 2-in. pots.....	2.00	ROSES, Clothilde Soupert, 2-inch.....	3.00
CYCAS STEMS.....per 100 lbs.,	\$8.00	“ “ “ 3-inch.....	6.00
DRACAENA BRUANTI, 5-inch pots, 24-inch high.....doz.,	\$5.00	“ “ “ 4-inch.....	10.00
FERNS, BOSTON, 2½-inch, very strong.....	5.00	“ Mad. Petite Andre, 3-inch.....	7.00
“ “ 3-inch, very strong.....	10.00	“ American Beauty, 3-inch.....	\$8.00, 4-inch, 12.00
“ “ 4-inch, very strong.....	20.00	“ Bridesmaid, 2½-inch.....	3.50, 4-inch, 8.00
“ ADIANTUM FARLEYENSE, 2½-inch.....	8.00	“ Bride, 2½-inch.....	3.50, 4-inch, 8.00
“ “ “ 3-inch.....	12.00	“ Golden Gate, 2½-inch.....	3.50, 4-inch, 8.00
“ “ “ 4-inch.....	25.00	“ Ivory, 2½-inch.....	3.50, 4-inch, 8.00
“ CHARLOTTE, 4-inch.....	15.00	“ Liberty, 2½-inch.....	6.00
“ CUNEATUM, 3-inch.....	6.00	“ Meteor, 2½-inch.....	3.50, 4-inch, 8.00
“ “ 4-inch.....	15.00	“ Perle, 2½-inch.....	4.00, 4-inch, 10.00
“ “ 5-inch.....	25.00	“ La Detroit, 3-inch.....	25.00
		“ Mme. Abel Chatenay.....	6.00

VAUGHAN'S SEED STORE, Chicago. Greenhouses and Nurseries, Western Springs, Ill.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

Another series in the handicap tournament of the Florists' Club bowling team was rolled Tuesday evening at Mussey's alleys. The detailed results, winners, prizes, etc., of the tournament will be announced next week. The scores of the last meeting are as follows:

Player.	1st	2d	3rd	4th	5th
Hauswirth.....	153	163	146	166	144
Stevens.....	191	217	152	185	188
Huebner.....	118	136	140	134	153
Scott.....	120	213	186	131	152
Wilson.....	119	163	176	175	160
Balluff.....	145	156	169	155	162
Degnan.....	129	173	158	148	149
Winterson.....	181	152	113	121	143
Stollery.....	193	128	188	168	163
Asmus.....	184	180	178	178	194
V. Kreitling.....	133	179	160		
Ladies.					
Mrs. Winterson.....		78	72	87	
Mrs. Hauswirth.....		104	109	97	
Mrs. Scott.....		74	97	78	
Mrs. Stollery.....		88	98	58	
Mrs. Asmus.....		109	104	121	

At Philadelphia.

The second convention trial match was rolled on the Arcade alleys, Broad and Chestnut streets, Wednesday night, June 8, ten men taking part. The scores ran much higher than in the first match, the winners averaging 900 to a game. Two teams were selected, captained by Robertson and Yates, and although "Robby" had first choice his side did not win a game. Yates had high total with 585, while Kift had high game with 224. The point winners were Yates 3, Kift 3, Robertson 2, Connor 2, Adelberger 2, Anderson 2, Harris 2, Watson 1, Westcott 1. The scores follow:

PLAYER.	1st	2d	3d
Robertson.....	128	192	210
Connor.....	161	180	187
Watson.....	138	193	152
Westcott.....	176	157	133
Graham.....	168	150	147
Total.....	771	872	829
PLAYER.	1st	2d	3d
Yates.....	174	220	191
Adelberger.....	173	190	153
Anderson.....	172	175	171
Kift.....	224	180	172
Harris.....	178	182	147
Total.....	921	947	834

At New York.

The second meet at the new bowling alleys on Twenty-third street last Monday evening confirmed the good impres-

sion concerning the location and a good attendance is assured for the balance of the season. Scores were recorded as follows:

Player	1st	2d	3d	4th
Ford.....	157	137	128	159
Lang.....	179	221	192	
Frank.....	131	137	119	136
Fais.....	116	113	120	
James.....	112	120	118	103
Nugent.....	77	100	107	
Shaw.....	143	112	152	

St. Paul.

The planting season is now nearly over, and everybody says that it has been the best that we have experienced. The very late season caused a great deal of trouble in that it held the blooming plants back. Nine out of ten geraniums sold were the S. A. Nutt, and they are completely cleaned up here. Mrs. E. G. Hill and Alphonse Ricard were the next in order. Salvia was called for a great deal as well as cannas, especially red, of which there is not one to be had. It is a thing to be regretted that a number of the small growers who rent temporary stands sell this stock so cheap. We hear of them selling good geraniums at \$1 per dozen. This should not be, as there is absolutely no reason why they can't get \$1.50 and \$2 just as well, and be just that much ahead, as they have no trouble to sell out their stock.

Out of town cut flower business was as good or better this season for graduation than last. Roses were very scarce, owing to a week of rainy, cold weather. All other stock has been more plentiful than usual, especially carnations. There are not many wedding decorations, only a few that amount to anything, and Swanson executed these.

We are having our first experience with Greeks. One has been selling carnations for 25 cents per dozen in a confectionery

store on Seventh street, and now another has opened a stand in one of the department stores. This has effected the small sales a good deal in the down-town stores.

Carl Haugen, Otto Hiersekorn, Wm. Strelow, Henry Krinke and E. P. Holm had good luck on a fishing trip early in the week. Alfred Clausen, of Albert Lea, and O. J. Olson caught a fine string of bass at Balsam lake, Wisconsin, the latter part of the week.

We have heard of no greenhouse building at all for this summer. One or two of the growers had intended to add more glass, but have given it up on account of the high price of labor.

L. Bauman, of Chicago, was a recent visitor. O. J. O.

Lowell, Mass.

So far the business done in June has been away off in color, nothing what it ought to be. Then again the weather has been anything but June. One would hardly know it was summer at all, unless he looked on the calendar. June is the month of brides and roses. We have brides, galore, but unless we get some sun we will have no roses at all. The last two weeks the thermometer has been standing at 55° to 60° at midday. The fore part of the month the sweet girl graduate was very much in evidence, but during the last week business has been as flat as a pancake. Last Sunday was Children's Sunday in most of the churches. On this day every child is presented with a small flowering plant of some sort. In this way a great many thousands are disposed of.

Quite a lengthy account of M. A. Patten's establishment down at Tewksbury appeared in the Lowell Morning Citizen. A. W.

C. W. McKellar

51 Wabash Ave., CHICAGO.



Orchids

Per doz.
 Cattleyas\$6.00
 Dendrobiums..\$2.00 to 4.00
 Per box
 Ass'd Orchids...\$5.00 to \$25.00

Sixteen years' experience on the Chicago Market in handling Cut Flowers. A larger variety now than ever. Try me.

L. D. Phone Central 3598.

EVERYTHING IN SUITABLE FLOWERS AND SUPPLIES FOR JUNE WEDDINGS AND SCHOOL CLOSINGS.

Phone or telegraph your rush orders if you want prompt service and the best stock that is.

The CLEVELAND CUT FLOWER COMPANY,

52-54 High St., CLEVELAND, O.

TELEPHONE CONNECTIONS.

CUT FLOWERS, SUPPLIES and WIRE DESIGNS at Wholesale.

Please mention the American Florist when writing.

Clearing Sale OF ROSE PLANTS

Chatenay

Very fine 3-inch, \$50.00 per 1000.

Beauty

2 1-2-inch, \$40.00 per 1000.

Bride

2-inch, \$20.00 per 1000.

Bridesmaid

2-inch, \$20.00 per 1000.

BENCH PLANTS, 1 and 2 year-old.

BEAUTY, \$30.00 per 1000.

BRIDE and BRIDESMAID, grafted 2-year-old plants, \$30.00 per 1000.

All plants shipped from our Greenhouses at Hinsdale, Ill.

BASSETT & WASHBURN,
Office, 76 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

ROSE PLANTS.

WE have an extra fine lot of Rose Plants intended for a new addition to Greenhouses. Unable to complete houses in time, so offer Rose Plants at these low prices.

AMERICAN BEAUTY, 2-inch.....\$2.00 per 100

“ “ 3-inch..... 4.00 per 100

BRIDE, 3-inch..... 4.00 per 100

BRIDESMAID, 3-inch.....\$4.00 per 100

CHATENAY, 3-inch..... 5.00 per 100

SUNRISE, 3-inch..... 4.00 per 100

We guarantee stock to be in extra fine condition. Free from mildew or other diseases. Write for prices on large quantities.

Plants Shipped Direct
From Greenhouses at
Rogers Park.

HOLTON & HUNKEL CO.,
457 Milwaukee St., MILWAUKEE, WIS.

Grafted Roses.

Bride, Bridesmaid, Golden Gate, Kaiserin, Woolton, 4-inch, \$20.00 per 100; 2-inch, \$15.00 per 100; \$120.00 per 1000. Own roots, 2-inch, \$80.00 per 1000.

GEORGE L. PARKER,

Washington cor. Rockwell St., Ward 24, BOSTON.

SPRINGFIELD, O.—The monthly meeting of the Clark County Horticultural Society was held June 8 at Snyder park, with seventy five members present. "Good Roads" was the subject for discussion.

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN.

LIBERTY, 3½-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN GATE, 3½-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

American Beauties

lot of cull stock we wish to dump. But we have a clean healthy lot of plants which we are offering at very low prices. We intend to establish a reputation on our goods and want your order. The goods are right—but if you don't think so, return them and you can have your money back. Send a dollar for samples if you are dubious. 3-inch, \$6.00 per 100; \$55.00 per 1000. 4-inch, \$8.00 per 100; \$75.00 per 1000.

Yes, we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a
GRAND RAPIDS VIOLET CO.
 163 Madison Ave., GRAND RAPIDS, MICH.

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Rose Plants.

Strong Stock from 2½-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

MME. CHATENAY.....	\$5.00	\$40.00
SUNRISE.....	5.00	40.00
KAISERIN.....	2.50	20.00
LIBERTY.....	5.00	40.00
MAID.....	2.50	20.00
BRIDE.....	2.50	20.00
PERLE.....	2.50	20.00
GOLDEN GATE.....	2.50	20.00
IVORY.....	2.50	20.00
AMERICAN BEAUTY, 3-inch.....	6.00	50.00

2-year Old Plants from Benches.

AMERICAN BEAUTY.....	\$6.00	\$50.00
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All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
 51 Wabash Ave., CHICAGO.

American Beauties.

Plants from 2½-in. pots, clean and healthy, \$5 per 100; \$45 per 1000.

JOHN MUNO, Rogers Park, Chicago, Ill.

Roses. Extra Fine.

Bridesmaid.....	3-inch Stock.	Per 100
Meteor.....		\$4.00 to \$6.00
Ivory.....		4.00 to 6.00

Also 1-year old American Beauties from bench for immediate planting or 6-inch pots.

The J. M. GASSER CO., Cleveland, O.

Rose Plants. Extra Choice.

Guaranteed strong, healthy stock.

In 3-inch pots.	Per 100	1000
Golden Gate.....	\$4.50	\$35.00
Bride.....	5.00	40.00
Bridesmaid.....	5.00	40.00
Mme. Chatenay.....	6.00	55.00

—Above prices cash with order.—

JOHN BROD, Niles Center, Ill.

Planting Roses.

All kinds of Teas. Just what you want. Brides, Maids, Perles, Kaiserins, Woottons, Belle Siebrecht, Ivory, Golden Gates, Liberties, Beauties, Carnots and a few Meteors. Stock A1. Prices right. Send right along to

GEO. A. KUHL, Pekin, Ill.

AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROS., New Castle, Ind.
 South Park Floral Company.

ROSES...

Maid, Bride, Gate, 2½-inch, per 1000.....	\$25.00; per 100.....	\$3.00
Maid, Bride, Gate, 3½-inch, per 1000.....	\$50.00	\$6.00
Cut back benched Beauties, per 1000.....	\$50.00	\$40.00
2½-inch Beauties, per 1000.....	50.00	75.00

CHRYSANTHEMUMS.

Cuttings 2½-in. pot		Cuttings 2½-in. pot	
per 100		per 100	
WHITE		YELLOW	
Willowbrook.....	\$1.50	Golden Wedding.....	2.00
Estelle.....	1.50	Gold Mine.....	2.50
Geo. S. Kalb.....	1.50	Monrovia.....	2.00
Timothy Eaton.....	2.00	Nagoya.....	2.00
Merry Christmas.....	1.50	Chautauqua Gold.....	2.00
Wanamaker.....	1.50	Robert Halliday.....	1.50
Robinson.....	1.50	Eclipse.....	2.50
Chadwick.....	2.50		4.00
Fitzwygram.....	2.00	PINK	
White Bonnaffon.....	2.00	Murdock, Perrin, Morel, Pacific.....	1.50
Crawford.....	2.00	Coombs, Shaw, Quito.....	2.00
Ivory.....	1.50	Richardson, Liger, Heno, Maud	
Jones.....	1.50	Dean.....	1.50
		Duckham, Sensational Pink.....	25.00
YELLOW		RED	
Bonnaffon.....	1.50	Childs, Intensity, Schrimpton.....	2.00
Appleton.....	1.50		2.00
E. D. Smith.....	1.50	BRONZE	
Omega.....	1.50	Lady Hanham.....	2.00
Whilldin.....	1.50		3.00
Parr.....	1.50	Percy Plumeridge.....	6.00
Sunshine.....	1.50	Mounier.....	1.50
Yellow Jones.....	2.00	C. J. Salter.....	6.00
Yellow Eaton.....	2.50	T. W. Pickett.....	6.00
Pennsylvania.....	2.00	Lord Hopetoun.....	10.00

Headquarters for Finest Cut Roses and Carnations. Shipments made direct from Greenhouses or Store.

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NEW ROSE FOR 1904.

General MacArthur

The most brilliant in color and the coming red rose for the general florist. For prices see issue of January 16. Ready for distribution, April 1, 1904, by

The STORRS & HARRISON CO., JOHN N. MAY,
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BRIDE AND BRIDESMAID PLANTS FROM 2-INCH.

Price to clean out, \$20.00 per 1000. This is a cheap price, but not cheap stock, being first-class in every respect.

METEORS, from 2½-inch pots, strictly first-class, \$15.00 per 1000. All stock in extra fine condition. Sample sent upon application.

BEAUTY BUSHES, one-year old, from bench, clean and healthy, \$40.00 per 1000.

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 37 Randolph St., CHICAGO.

BEAUTIES, Fine! 2½-in., \$5.00 per 100; 3-in., \$8.00 per 100. Perle, Bridesmaid, Bride, Ivory and Gate, choice stock, 2½-in., \$3.00 per 100; \$25.00 per 1000, except Perle. Extra fine, 3-in. stock of Perle, Bride, Gate and Ivory, \$6.00 per 100 for Perle; \$5.00 per 100 for Bride, Gate and Ivory. **VINCAS,** 3-in., \$5.00; 2½-in., \$3.00 per 100. **BOSTON FERNS,** 2½-in., \$3.50; 3-in., \$8.00; 4-in., \$12.00; 6-in., \$10.00 per 100.
 W. H. GULLETT & SONS, Lincoln, Ill.

Fine Rose Plants

The Cleveland Cut Flower Co.
52 & 54 High St., CLEVELAND, O.

BRIDE and BRIDESMAID

3½-in. pots, ready to plant.
Must be sold at once.

Per hundred, \$4.50
Per thousand, \$40.00

CASH WITH ORDER.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100	Per 1000
Mrs. M. A. Patten, fine variegated	\$3.00	\$30.00	\$12.00
Crusader, scarlet	2.00	20.00	
Reliance, white	2.00	20.00	
—50 at 100 rate.			
	Per 100	1000	
Harlowarden, best crimson	\$5.00	\$40.00	
Governor Lowndes, finest white	6.00	50.00	
Genevieve Lord	2.50	20.00	
Mrs. E. A. Nelson	3.00	30.00	
Norway	2.50	20.00	
	Per 100	1000	
Prosperity	\$3.00	\$25.00	
Mrs. R'velt	\$4.00	\$35.00	
Sihyl	4.00	30.00	
Gov. Wolcott	4.00	35.00	
Lillian Pond	4.00	35.00	

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

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NEED A FIRST-CLASS

Commercial White?

FRED. BURKI IS THE ONE. Has scored 88 points at the Detroit Carnation Convention and has been awarded a Certificate of Merit. Orders filled strictly in rotation. \$12.00 per 100; \$100.00 per 1000.

John Murchie, S. S. Skidelsky,
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AMERICAN BEAUTY

3-inch, \$5.00 per 100.

GATES, 2½-inch, per 100\$2.00
BRIDES and MAIDS, 2½-inch, per 100. \$2.50

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JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.
Please mention the American Florist when writing.

Rose Plants

QUEEN OF EDGELY, 2½-inch, per 100, \$8.00;
per 10.0, \$55.00. 3-inch, per 100, \$8.00;
per 1000, \$75.00.

OLD STOCK, per 100.....\$6.00

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ROSES. BARGAIN.

Bride and Bridesmaid rose plants from 2½-inch pots, at \$3.50 per 100; \$30.00 per 1000. Propagated from plants grown in solid beds.

BRANT BROS., Utica, N. Y.
Successors to Peter Crowe.

ROSE PLANTS.

	Per 100	1000	In 2½-inch pots.	Per 100	1000
In 2½-inch pots.					
Bride	\$3.00	\$25.00	Meteor	3.00	25.00
Bridesmaid	3.00	25.00	Kaiserin	4.00	35.00
Ivory	3.00	25.00	Liberty	5.00	40.00
Golden Gate	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of
Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Roses for the COMING SEASON

Fine stock now ready on own roots.

LIBERTY, BRIDESMAID, GOLDEN GATE, MME. HOSTE, MRS. MORGAN, THE BRIDE, MRS. OLIVER AMES, ETC., ETC.

WRITE FOR PRICES

JOHN N. MAY, Summit, New Jersey.

ROSE PLANTS CHOICE STOCK.

IVORY, 2½-in., \$3 per 100; \$25 per 1000; 3-in., \$5 per 100. BRIDESMAID, 2½-in., \$3 per 100; \$25 per 1000. PERLE, 2½-inch, \$3.50 per 100. This stock is all A1.

C. C. POLLWORTH CO., Milwaukee, Wis.

Roses

3,000 BRIDESMAID ROSES, from 3½ and 4-inch pots, extra fine for sale, \$4.50 per 100; \$40.00 per 1000.

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Wholesale Grower of

CARNATIONS AND ROSES.
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ROSES.

American Beauties. We have extra fancy 3-in. 2¼x3 and 2x2¼. Let us know your wants, quantity you can use, and we will hold them for shipment to your order. Write

GEO. A. KUHL, Pekin, Ill.
Please mention the American Florist when writing.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID	\$3.00	\$25.00
BRIDE	3.00	25.00
GOLDEN GATE	3.00	25.00
IVORY	3.00	25.00
LIBERTY	5.00	45.00
AMERICAN BEAUTY	5.00	45.00

In 3-inch Pots.

	Per 100	1000
BRIDESMAID	\$4.00	\$35.00
BRIDE	4.00	35.00
PERLE	4.00	35.00

2-year-old AMERICAN BEAUTY PLANTS from benches, \$3.00 per 100; \$25.00 per 1000.

GEO. REINBERG,
51 Wabash Ave., CHICAGO.

Chrysanthemums.

Fine young plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000. Ready for immediate delivery.

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|-------------------|-------------------|
| Ivory | Maud Dean |
| Mrs. J. Jones | Pink Ivory |
| Golden Wedding | Polly Rose |
| Nagoya | Chadwick |
| Maj. Bonnaffon | Lady Harriet |
| Nellie Pockett | Robert Halliday |
| White Bonnaffon | Timothy Eaton |
| Col. D. Appleton | Mrs. Coombes |
| Lavender Queen | Vivian-Morel |
| Algoma | Globosa Alba |
| Minnie Bailey | Omega |
| Geo. S. Kalb | Minnie Wannamaker |
| Xeno | Mrs. H. Weeks |
| Mrs. H. Robinson | Glory of Pacific |
| Florence Molyneux | |

NATHAN SMITH & SON,
ADRIAN, MICH.

Chrysanthemums.

From 2 1/4-inch pots, \$2.00 per 100; \$18.00 per 1000. Bonnaffon, White Bonnaffon, Ivory, Glory of Pacific, Bergmann, Adelle, Bride, Wanamaker, Halliday, Appleton, McKintley, Alice Byron, White Pompon. All these plants are in very good condition. Rooted Cuttings, 75c per 100. Good roots.

HYDRANGEA OTAKSA, Rooted Cuttings, pink or blue, \$1.00 per 100; 4 inch pots, 6c; 6-inch, 10c; 8-inch, 20c. Fine plants for growing on.

GENISA, large flowering, 4-inch pots, 6c. Rooted cuttings, \$1 00 per 100.

STEVIAS, fine plants, 3-inch pots, 3c. Rooted cuttings, 75c per 100. Must be sold previous to removal. Make me an offer for large lots.

A. A. J. LaROCHE, Collingdale, Pa.

GERANIUMS...

Rooted Cuttings. Fall Delivery.

Send for list of varieties now. You not only get a reduced price for early orders, but the cuttings can be shipped when just right.

Good cuttings will make good plants. I am going to give you good cuttings and want your orders whether for 100 or 20,000.

ALBERT M. HERR, Lancaster, Pa.

CHRYSANTHEMUMS

Bonnaffon, Ivory, Maud Dean, Golden Wedding, 2 1/4-inch pots, \$2.25 per 100. Rooted Cuttings, \$1.50 per 100.

FUCHSIAS, 2 1/4-in. pots, \$3.00 per 100.

A. D. MONTGOMERY, Hazleton, Pa.

Alternantheras

Red and Yellow, from 2-inch pots, \$1.50 per 100; \$15.00 per 1000.

DAVIS BROS., Morrison, Ill.

Ask for Special Price List on

BAY TREES.

PYRAMIDS: 3 to 14 feet. **STANDARDS**: high, 24 to 66-inch head.

Julius Roehrs, Rutherford, N. J.

—EXOTIC NURSERIES.—

PRIMROSES.

Per 100

- Chinese, 2-inch pots.....\$2.00
- Obconica, Alba and Rosea.....2 00
- Forbesi, all ready July.....2 00
- 1000 Smilax.....1.25

Cash or C. O. D. **JOS. H. CUNNINGHAM**, Delaware, O.

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia, \$5.00 per 100; 75c per doz. **BOSTON FERNS**, 2 1/4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS**, 2 1/4-inch, \$8.00 per 100; 5-inch, 50c. **ASPARAGUS PLUMOSUS**, 2 1/4-inch, extra fine, \$3.50. **CANNAS**, P. Vaughan, J. C. Vaughan and Burhank, \$1.50 per 100; \$12.00 per 1000. **COLEUS**, 15 varieties, \$2.00 per 100. **ALTERNANTHERA**, Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

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Asparagus Plumosus Nanus...

2-inchper 100, \$3.00; per 1000..... \$25.00
Express Prepaid.

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Of any of the following for stock: Coleus, Heliotropes, Rose Geraniums, Lantanas, Ivy Geraniums, 4 kinds of Sweet Alyssum, Centura, Vincas, Rex and other Begonias, Lobelias, Cannas, Lemon Verbenas, Alternantheras, Etc., Etc. Write

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Asparagus Plumosus, 2-inch, \$3.00 per 100.
Asparagus Sprengeri, Strong, healthy stock, 2-inch, \$3.00 per 100; 3-inch, \$6.00 per 100 4-inch, \$1.50 per doz.; \$12.00 per 100.

Fine stock. An assortment of 2-inch **FERNS** for fern dishes, \$3.00 per 100; \$25.00 per 1000.

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 CANNAS, Black Beauty, Red, Yellow, and
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Chrysanthemums, Rooted Cuttings, 10
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 Kentias, Ficus, Coleus, R. C., red, yellow and black,
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 Lelania Bor., 2-in. pot, seed leaves.. 3.00
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 Asparagus Plumosus, from flats..... 1.75
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 PLUMOSUS NANUS..... \$3.00 \$25.00
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5 1/2-inch pots, 3 to 4 tiers, 10 to 12-inches high,
 50 to 60c; 12 to 15 inches high, 3 to 4 tiers, 75c;
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6-inch.....each 40c 3 1/2-inch.....each 12 1/2c
 5-inch.....each 25c 3 -inch.....each 8c
 4-inch.....each 15c 2 1/2-inch.....each 3 1/2c

PIERSONI FERNS.

6-inch.....each 50c 3 1/2-inch.....each 15c
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SPECIALTIES

ROSES, from 3-inch pots, **In Best**
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Prices Low. Send for List.

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

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The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No. 0.	3x 4x20.....	\$2 00	\$19.04
" 1.	3x 4½x16.....	1.90	17.50
" 2.	3x 6x18.....	2.00	19.00
" 3.	4x 8x18.....	2.50	23.00
" 4.	3x 5x24.....	2.75	26.00
" 5.	4x 8x22.....	3.00	28.50
" 6.	4x 8x28.....	3.75	36.00
" 7.	6x16x20.....	5.50	54.00
" 8.	3x 7x21.....	3.00	28.50
" 9.	5x10x35.....	6.50	62.00
" 10.	7x20x20.....	9.50	67.50
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CADILLAC, MICH.—Klinehans & Mason have commenced the erection of three greenhouses, each 16x75 feet.

\$2.00

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Contains 412 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn St.

CHICAGO.

Toronto.

Business continues good, both local and shipping orders being prominent. A few mild days have helped the plantsmen and all indications are propitious for a good month. Wednesday, June 1, saw twenty-six weddings in this city, and the advance orders on the liverymen were so heavy that several funerals had to be postponed owing to the lack of carriages. Stock holds up in quality very well for the season, and as yet there is fairly little mildew. The newest arrival in roses is Kaiserin, which is not only in very fine shape, but most acceptable. Bridesmaid and Bride continue about the same, while Beauties are getting more plentiful. Carnations still hold up their quality and very good fancies are to be had. Enchantress, Prosperity, Golden Beauty, Stella and Lawson are almost as good as in the early spring. Lily of the valley is scarce, the recent heavy rains having spoiled the out of door crop, and indoor stock will not be ready for a few days. Lilac is coming in plentifully and spikes of flowers are very large. A few early peonies arrived on Tuesday.

The Gardeners' and Florists' Association held a meeting in St. George's hall on Monday to draw up a prize list for the chrysanthemum show, which is to be held in November. This is to be held on a gigantic scale, and will eclipse anything of the kind ever attempted in Canada. The railroads have already promised half fare, and even a cheaper rate is expected. A grant is to be given by the government, and with the good prizes which will be offered we expect considerable competition from distant points.

On Friday last was Decoration day for the schools and on Saturday for the Batoche Column Association. The monuments in Queen's park were decorated and the florists were busy making wreaths for the occasion.

R. Jennings, of Brampton, is sending in some very large marguerites. These flowers have recently found much favor for bridesmaids' bouquets.

H. Johnston, a grower for J. H. Dunlop, was quietly married on May 23. May he find joy and prosperity in the ranks of the benedicters.

Mrs. J. T. Rossiter is bringing in some well grown Harrisii. The lateness of the season makes them all the more desirable.

The vacation season has started. D. J. Sinclair and family are off on a fishing trip to Muskoka. H. G. D.

Cleveland.

Business for the last week and present one so far has been good for the retailer, weddings and commencement exercises giving them about all they can attend to. Considerable stock has been used up, principally peonies, irises and sweet peas. In the wholesale market roses and carnations have been a glut. For carnations this has been the first time this season. It has been clearly demonstrated by the returns that carnations as a money maker for the grower have superceded the rose. The average wholesale price per 1,000 has been greater for the former than the latter throughout the season. This condition of affairs, I venture to say, does not exist in any other city. What is the reason? It can not be the quality of the stock, for in that respect it can not be excelled anywhere. Is it possible that the inevitable is about to occur and the carnation is about to supplant the rose in the affections of the people? It seems so. The last few fine days have

enabled the plant men to complete the bedding out. All seem satisfied with their spring trade. They say the demand has been heavy and all have cleaned out pretty well.

At the regular meeting of the Florists' Club held June 13 the following resolutions were unanimously adopted:

WHEREAS, In the recent death of August Schmitt this club has lost one of its oldest and most respected members.

Resolved, That in his death we have lost a valued member and one whom we all regarded as a man of exemplary character in his profession and in every other walk of life. The members of this society will long remember him as an able official as well as a genial and kind friend and companion.

Be it further resolved, That a copy of these resolutions be spread upon the minutes of the club and a copy of the same accompanied with our sincerest sympathy be conveyed to his bereaved family.

ADAM GRAHAM,
GORDON GRAY,
H. A. HART,
ISAAC KENNEDY,
Committee.

Two new stores have been started. The Cleveland Floral Company, formerly the Grant Wilson Company, has started with a capital of \$30,000, the incorporators being C. W. Fuller, J. L. Bradley, L. R. Campbell, E. P. Hatfield and J. A. Kline. The other is Kirchner Brothers, W. J. and Chas. F. Their place of business is on the corner of Superior street and Wilson avenue.

A visitor was M. Bloy, of Buffalo.

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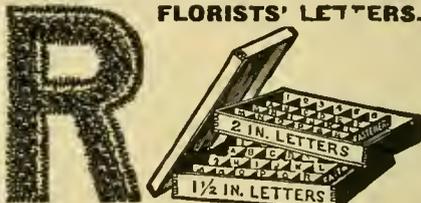
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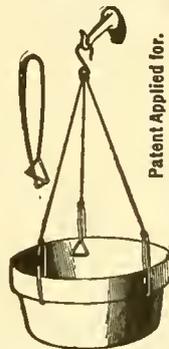
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Milwaukee.

The situation in the cut flower line can be summed up by simply saying plenty of stock in every item. Carnations have been arriving in immense quantities and naturally prices are very low on them. The quality of most shipments is of an inferior order and with very poor keeping qualities. Some very fine Liberty roses were noted this week with stems averaging over three feet. Asparagus strings are the only short item on the list. Indoor valley, which had been displaced by the outdoor stock, is now enjoying a good call. Those florists interested in bedding plants are very well satisfied with the season as the stock is well cleaned up.

The Florists' Club will hold its first picnic on July 10. The place has not been definitely decided upon but the committee is hard at work and an enjoyable time is promised. It is hoped that all members and their friends will attend and make it a success.

J. H. Heitman has been spending a week at St. Louis, most of the time on the "Pike."

Congratulations are in order for Gust Kellner; it is a little girl.

Emil Welke intends to erect three houses this summer.

Recent visitors were J. E. Matthewson, Sheboygan, Wis.; Adam Zender, Chicago, Ill.; H. Levenbagen, Manitowoc, Wis.; Victor Wayman, Madison, Wis.

H.

Davenport, Ia.

Decoration day has come and gone and from a trade point of view was a success. The weather was cool and damp but the demand for flowers was good and prices satisfactory. Owing to the lateness of the season there were but few outdoor flowers. The use of flowers for Decoration day seems to be on the increase, several florists stating that their sales for that day were greater than ever before. The cemetery florists, those adjacent to the cities of the dead, have had a very busy time while the same story is heard from their brethren in other parts of the three cities. There are now scarcely any bedding plants left for sale, growers claiming to have sold out cleaner than any time in the past.

Superintendent Arp, of the Davenport parks, met with an accident last week. He was riding on one of the park's farm wagons when the front wheel came off, causing the horses to run away and throwing Mr. Arp on the brick pavement. As Mr. Arp is no feather weight by any means he came down rather hard, bruising him up considerably. He was unable to get about for a few days. At the present writing he is doing nicely and is able to be around again.

Spencer Square, a small but beautiful park in the heart of Rock Island, is to have a new music hall to cost \$2 500. Spencer Square is the pride of Rock Island florists, for here one can see as fine a floral display as anywhere.

The Boston store, a department store, is trying to see how cheap it can sell flowers without giving them away. Nearly all the florists have agreed not to sell the store a single flower, at any price.

The two new greenhouses built last fall by the Allison-Littig Company are to be torn down and moved to the old Dauncher place, two blocks south.

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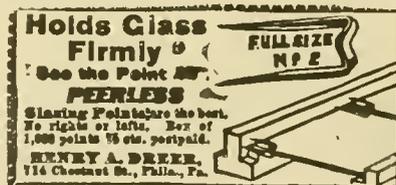
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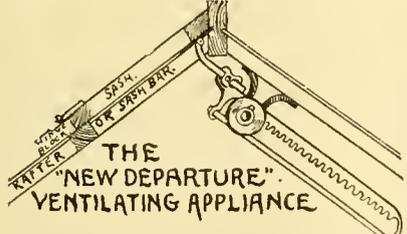
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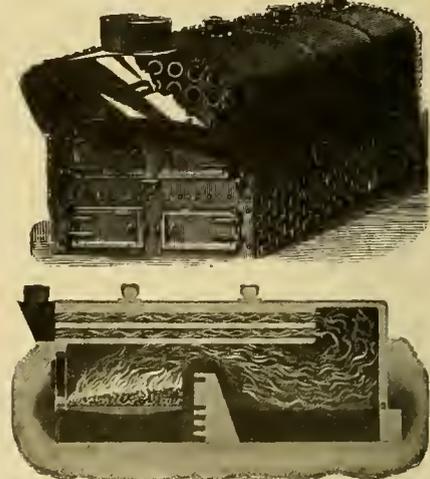
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LENOX, MASS.—The Lenox Horticultural Society will hold its annual rose and strawberry exhibition in the town hall on the afternoon and evening of June 23.

SECAUCUS, N. J.—Henry Schurmann is one of the largest growers of sweet peas for this market. Six houses have been devoted to this specialty the past winter. When the crop is finished the houses are planted with Major Bonaffon and Ivory chrysanthemums, using the same benches, and between the close of the chrysanthemums and the planting of the peas a crop of stevia is raised, the houses thus being kept in constant use.

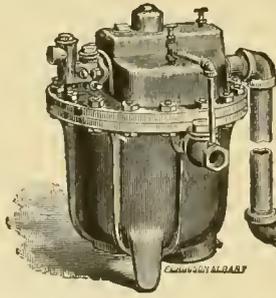
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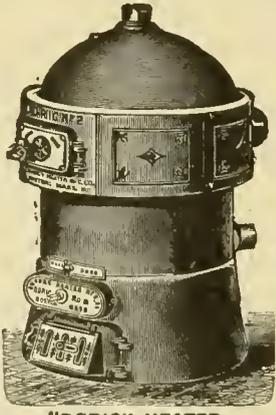
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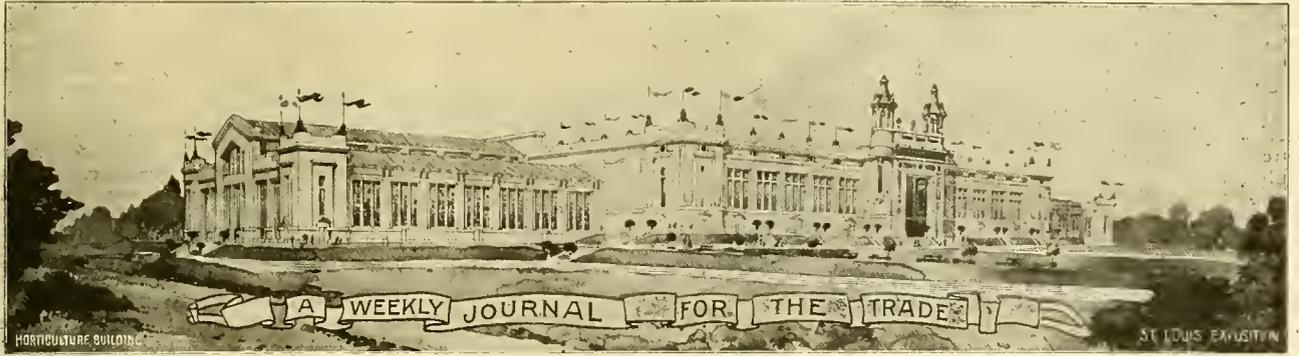
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THE AMERICAN FLORIST



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Vol. XXII.

CHICAGO AND NEW YORK, JUNE 25, 1904.

No. 838.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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For World's Fair Visitors.

From the city take the Market street electric cars for the entrance nearest to the Horticulture building. The Union railroad station is located on Market and Eighteenth streets.

Get off at station 10 on the intermural railroad for the Horticulture building. Other reasonably convenient stations are 7, 8 and 9.

Prof. L. R. Taft, who has charge of the judging in the horticultural classes, is now at his office in the Horticulture building.

Chief F. W. Taylor's office is at the south end of the Agriculture building, the end nearest the Horticulture building.

Superintendent Hadkinson's office is in the Horticulture building.

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Notes By the Way.

When one sees the amount of cheap stock on the market he is apt to wonder how the man can live who is charging twice as much, and yet he is usually the fellow who has the largest bank account. The public is always willing to pay a good price for a good article. The poor article is always dear at any price. You never can be the cheapest man. If you advertise goods at a cut-rate this week the other fool will go you one better next week. You can be the best, however, and the public will pay you your price.

Pye Brothers, Nyack, N. Y., are extending their establishment to meet the growing demands of their business. They commenced about three years ago, and so successful has been their business that all the ground available in their first location has been covered with greenhouses. They have now leased C. A. Tucker's place, at West Nyack, and are renovating and rebuilding the greenhouses. The location is an ideal one. They are sheltered on the north and northwest by a rocky prominence that rises almost precipitously for one or two hundred feet. They catch the first rays of the morning sun across the Hudson river, and in the duldest days in winter they will receive the fullest light. By the end of this summer they will have 25,000 feet of glass ready for business on this new location. They are just commencing to put the glass in one new house, 42x140 feet, and the foundation of another house 42x150 is being laid. These houses will be planted with American Beauty roses. There are six benches in each house and five rows of plants will be planted in each bench. The benches are solid. They are raised one foot above the ground with loose stones and rubble, which form the bottom, and a board forms the side. Such a bench has lasting qualities and lots of drainage. This solid form of bench seems to be gaining many converts. It is no new experiment with the Messrs. Pye. They have been growing Kaiserin this way for some time, and consider it a decided advantage.

Kaiserin is very largely grown here as a summer blooming rose. Several houses are now in full crop, giving fine stems, good blooms and not a speck of mildew. They will produce several crops through the summer. In winter they will be rested and started up again in spring when the Brides are getting scarce. There is less expense with this mode of culture, and the larger out-put in summer at a

fair price brings up the returns. The Messrs. Pye can always dispose of their flowers in the New York market, and they never get less than 6 cents apiece for their Kaiserin.

Quantities of carnations are also grown. The plants are at present in the field, but housing will be commenced by the beginning of July. The up-to-date varieties of carnations are grown. They consider the best the most profitable. Several growers have gone out of business in Nyack for lack of support since the Pye Brothers commenced. Their venture was scoffed at, and many prophesied that three months would end their career. Others failed to make a living by growing carnations in quantity and having to sell them in winter at 35 cents a dozen. The Pye Brothers grow for quality, and find a market for their flowers at \$1 per dozen. They have succeeded and are adding more greenhouses to meet the increased demands. Their maxim is: "We can never be the cheapest, but let us strive to be the best." When one fellow commences to cut the price the other fool will go him one better. The cheap article is sometimes dear, even if you only have to pay the freight on it, while the superior grade always gives satisfaction and no one grudges to pay for a good article.

We saw here a bench of Wm. Duckham chrysanthemum which is being over-run by a small worm or caterpillar somewhat resembling a wire-worm, only blacker in color and possessing a few more pedal appendages. It enters the stem a little above the ground and eats its way up through the center towards the top. It ruins every plant it attacks. The Messrs. Pye say this isn't its first visit to Nyack. They have observed it before, and on other things, but as yet have found no remedy. We certainly never met the fellow before and have no desire to see him again. It would be interesting to know if anybody else knows anything about the pest, and also if there is a remedy.

Roses (outdoor) are in nearly every case short-stemmed this year. They also lack the substance of former years. Most of the gardeners attribute this to the extreme cold of last winter. Strawberries are also a poor crop and the berries smaller, which is also attributed to the extreme winter. Herbaceous plants in many cases also show the same effects.

The wife of Joseph Mooney, gardener to E. C. Moore, Hastings-on-Hudson, died on Thursday June 16 and was buried on Saturday June 18. A delegation from the Tarrytown Horticultural Society and

also from the Dobbs Ferry Gardeners' Society attended the funeral. Mrs. Mooney suffered a paralytic stroke a short time ago and never fully recovered. She was in the prime of life and leaves a young family. The members of the craft extend their sympathy to Mr. Mooney.

We have visited several of the June exhibitions lately and have been interested to note the general interest of the public at large in these exhibitions of spring and early summer flowers. The show at Bronx park under the auspices of the New York Horticultural Society and the Peony Society was particularly interesting in this respect. Visitors came from as far as Chicago, Ohio, Boston and Philadelphia to witness the debut of the peony as the latest aspirant for society honors. These visitors, however, were largely men who are interested in the peony from a business standpoint, but we also met and conversed with wealthy amateurs from Long Island and other parts of the state who were looking for the newest and best that could be found in the peony line. The collections of herbaceous plants were also carefully examined and many notes taken. There is no doubt whatever but a large amount of business will result from the exhibition.

The same was seen at Tarrytown. Several wealthy amateurs told the writer that they would donate prizes for next year's exhibition, so delighted were they with what they had seen. "Straws show how the wind blows." These spring (or June) exhibitions have not up to the present time been very widely conducted. The early spring exhibitions of bulbous stock and fall exhibitions of chrysanthemums are more in the line of the professional gardener or commercial grower with lots of greenhouses at his disposal and the public is only interested in them as exhibitions, and visits them as it does Coney Island—for the sake of seeing the show. The June exhibition is different. There is scarcely anything in it that has needed the nurturing care of a greenhouse. The public sees there the prototype of the roses that the people have in their own yards. There is undoubtedly an awakening in horticultural matters, the common people are becoming interested, and it is up to the professionals to keep this interest stimulated. We have tried to educate them up to the standard of the orchid, the chrysanthemum, the indoor rose, the carnation, etc., but these are above and beyond the great majority. They say: "They are pleasant to look at, but expensive to handle." Some time ago we ventured to suggest to a professional brother that it might be profitable to educate the people in certain lines. "My friend," he replied, "you will find there is more profit in handling what the people want," and this truth becomes more fully apparent every day. Why not take the cue from this and encourage these summer shows? After all it is the great majority that we must look up to. If we would strive to interest the common people more and pay less attention to the aristocracy we might do horticulture and ourselves a great service. Horticulture follows in the wake of civilization, but the masses have to be educated to it.

An exhibition stand may not always be the place to judge the merits or demerits of a certain thing. Many a thing is more beautiful than it is useful, but judging from the number of times that the Marshall strawberry has carried off the first honors it would appear that it is Marshall against the field. Joe Marshall has won this season every time.

TRAVELER.

CHRYSANTHEMUMS

Handling Young Show Plants.

The early planted stock for exhibition blooms is now making rapid growth, the roots by this time being well hold of the soil. Consequently the side growths are beginning to sprout out at every joint. These should be rubbed out as soon as they are large enough to handle. The heds should be kept free from weeds and the surface of them made as even as possible. Also, examine the soil down to the bottom to ascertain if its condition is the same clear through. It is likewise a very important point in growing fancy stock to see that the soil be made firm. Now is the time to attend to this part of the work, after the weeds have been cleared out, the surface made even and before the plants are staked or tied up. Most of this class of plants are ready now for staking or tying to strings or wires, according to the method you are in the habit of following. Either method



President-elect Wm. S. Egerton.
(American Association Park Superintendents)

can be adopted with success provided the main point—that of supplying means to carry the plant erect till its blooming season—is ever kept in mind and properly carried out.

As soon as the plants require to be tied up they should receive attention without delay. Care must be taken in applying water to the plants during this very hot weather, owing to the abundant syringings necessary now to keep a moist atmosphere. Considerable water falls on the beds, and unless a close watch is kept some parts of the beds may be overlooked and become too wet, which will quickly cause a soft, long-jointed growth, and be a sure means of causing the plants to be an easy prey to any disease. Most varieties will bud up every little while as growth goes along. The work of attending to the removal of these buds and determining which growth to leave should never be left to the inexperienced, but should be performed by someone familiar with the work and varieties, because one wrong move at this time will take lots of time to recover from. If it can be done at all this season do not put this work off until the shoots have

made several inches of growth. Attend to them right at the time they are large enough to handle without damage to the remaining shoot. Proper attention to this detail goes a long way toward making it possible for you to be able to take the proper huds at the time you will want them later on.

This fresh young luxuriant growth makes the very best stamping ground for aphids and other pests, and if not attended to in time very soon shows the effects of the neglect by the young leaves just unfolding being curled up and crippled, the same being noticeable during the entire growth of the plant. It is not advisable to resort to fumigation as a means of prevention in this hot weather, and it is far less trouble and a surer means of keeping these insects in check by dusting with tobacco dust or spraying with tobacco water, choosing a time late in the day, when the house has cooled off a little, and syringing the plants a little before applying it. This cools off the young, tender leaves, preventing the tobacco from burning them; also, the dust stays where you want it. Specimen plants and standards should have very careful watering after they have received the final potting, encouraging them to break into fresh growth by frequent syringings. In a very little while they will show signs of a new growth, which is an indication that the roots are taking hold of the fresh soil. It is then time for them to get a good watering to make sure of the soil being moist clear through.

C. W. JOHNSON.

THE CARNATION.

CARNATION QUEEN LOUISE is with some growers one of the best bread winners among the whites.

Caring For Young Plants.

The plants which are being grown indoors in about two weeks from planting will have taken good hold of the soil. The heds should now be gone over, removing all the weeds. The surface of the soil can then be made as even as possible to allow for the watering to be attended to properly. Extra care must be exercised in watering at this time, applying it in such quantity that the plants receive direct benefit, with the object in view of keeping the bed where the roots are not yet working in as fresh a condition as possible. This care will greatly add to the well being of the plants as the season advances enabling the larger plants in a few weeks' time with their consequently greater root action to receive the nourishment from this fresh soil. While taking this extra trouble it is especially necessary that the soil directly underneath and around the plant where the roots are working be kept in an even, moist condition. One of the greatest producers of stem rot is to water so that the moisture penetrates a little way down in the soil, forming a wet collar around the stem, the soil underneath this being in a dry state. Therefore see to it that where the roots are working and it is necessary to water at all, water thoroughly so that all the roots are working under the same conditions.

Indoor grown carnations do best in a moderately firm soil, but the matter of treading or pounding the beds must be governed to a certain extent according to the texture of the compost in use. A soil with a tendency to stiffness or where



VIEW IN EAST ROCK PARK, NEW HAVEN, CONN.

clay is worked through it usually becomes firm enough after two or three waterings without any other method being resorted to. Every grower must therefore use his own judgment in this respect with the material he has to work on, guarding against a too light soil, which will cause a rapid, long jointed growth at the expense of robustness. The plants should be given full sunlight with all ventilation possible, and on bright days pay particular attention to syringing to keep down thrip and spider, and so far as possible leaving the watering of the soil as an operation to receive attention by itself as it should. Also on very hot days it will be found beneficial to spray the sides of the house underneath the benches and the walks so as to moisten the atmosphere. These points, together with keeping the plants topped back as they require it will form the routine of the work in caring for the indoor grown plants for a few weeks yet and must not be neglected to insure success with this method of culture.

As the season is drawing to a close so far as the blooming plants in the benches are concerned and doubtless most of our plans are drawn for the coming season's work, is it not well to figure up what some of the varieties are doing now or have been doing from a blooming standpoint for the last three months. We are surprised at the fine showing that Enchantress is making at this time as we rather expected this would fade out in the hot weather. But as we now have them under a heavy shading they are certainly fine for this season and the plants are full of buds and bloom. Gov. Wolcott is also making a fine showing, and as we find ample use for white carnations right along we are very well pleased with this variety in spite of its fault of splitting badly in winter. Mrs. Lawson is now down to the ordinary standard. The stems are getting too short and the thrips commence to get in their work. So this is the way it goes. Some varieties that cause us lots of worry at one time of the year usually have a brighter side at another and it sometimes seems that we draw conclusions too quickly from what a carnation does in midwinter instead of covering the whole season.

C. W. JOHNSON.

Annual Meeting of Park Superintendents.

There were between forty and fifty members in attendance at the aldermanic chamber of the city hall, New Haven, Conn., when President George A. Parker rapped for order and the seventh annual convention of the New England Association of Park Superintendents was opened on the evening of June 7. Admission of twenty new members, the consideration and adoption of amendments to the by-laws and the election of officers, were the principal items of business. As stated in our brief report last week the scope of the association was widened and the name changed to American Association of Park Superintendents, thus extending the society's jurisdiction over the entire country. W. S. Egerton, whose achievements as superintendent of the park system of Albany, N. Y., were recounted in our columns last summer, is a gentleman eminently qualified to serve the nationalized society as its first president officer. He was the first applicant

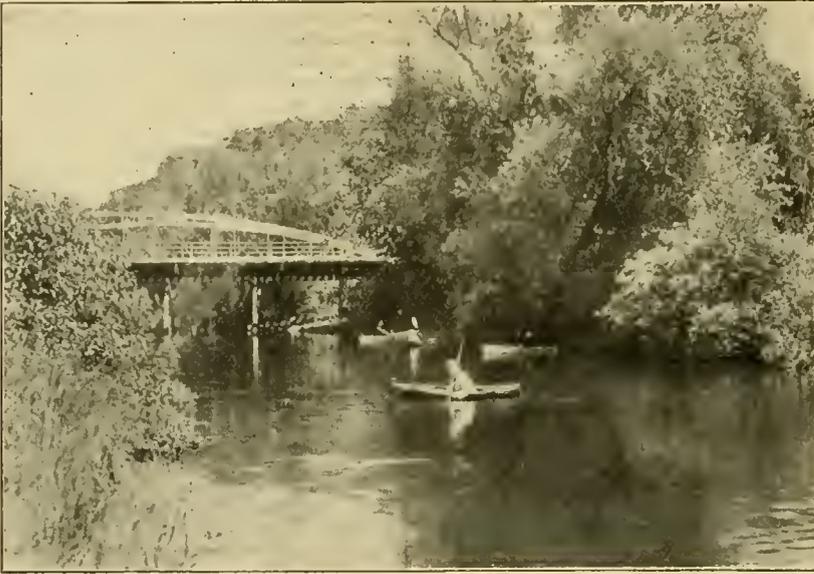
from outside the New England States for membership in the body and at the convention in Albany, last year, the first to be held outside New England territory, the attractions and hospitality of the capital city were presented in a manner never to be forgotten by those who were present.

The business meeting lasted an hour, after which adjournment was made to the New Tontine hotel, where a sumptuous repast was enjoyed. At the table were Hon. Abram Chamberlain, governor of Connecticut; Hon. John P. Studley, mayor of New Haven; Henry T. Blake, president park commission; Henry T. English, secretary and treasurer park commission; N. W. Farnum, vice-president park commission; H. C. Warren, assistant secretary and treasurer park commission; Hon. Simeon Baldwin; Rutherford Trowbridge, General Phelps Montgomery, Conrad Weiss, Jonathan Rowe, comptroller; Edward Fredericks and Frederick D. Grave, park commissioners, New Haven; Wilson H. Lee, president chamber commerce; James B. Coc, director of public works; James E. English, Walter Hubbard, president park commission, Meriden, Conn.; Hon. W. J. Van Patten, chairman park commission, Burlington, Vt.; J. B. Shea, Jackson Dawson, E. P. Adams, W. J. Stewart and J. W. Duncan, all of Boston, Mass.; Henry Frost, Haverhill, Mass.; G. H. Chase, Princeton, Mass.; Isaac Kelley, Lawrence, Mass.; G. A. Parker, Theo. Wirth, R. Karlstrom, J. F. Huss and Carl U. Fohn, of Hartford; A. P. Capen, Holyoke, Mass.; Henry C. Fuller, New London; John Dunbar, Rochester, N. Y.; H. T. Coldwell and I. B. Sweigart, Newburgh, N. Y.; W. S. Egerton, Albany, N. Y.; Frank Hamilton, Bronx, N. Y. City; Frederic Shonnard, Yonkers, N. Y.; J. D. Fitts, Providence, R. I.; J. H. Hemingway and James Draper, of Worcester, Mass.; C. E. Keith, Bridgeport; Walter Hubbard, Meriden; Christopher Clark, Northampton, Mass.; D. H. Sheehan, Brookline, Mass.; H. A. Hastings, Springfield, Mass.; Robt. Cameron, Cambridge, Mass.

J. B. Shea, assistant superintendent of Boston parks served as a most acceptable toastmaster. The first speaker was the governor, who assured his audience



VIEW IN WEST ROCK PARK, NEW HAVEN, CONN.



VIEW IN EDGEWOOD PARK, NEW HAVEN, CONN.

that they were great men although they perhaps did not realize it, for their work was in the line of the highest usefulness. Connecticut, he said, has more to be proud of than any other state in the country. It is one grand park itself and its best assets are its topography and Long Island Sound. He complimented the association on its good fellowship and expressed hearty wishes for its prosperity. Mayor Studley followed with a witty speech replete with stories and interesting comment on local affairs. He emphasized the great value of public parks for the working people, pronouncing the development of these breathing places to be the most important duty connected with city government. President Blake of the park board followed in a similar strain, enlarging upon the claims of the park people to the respect and love of the public and extended an invitation to the visitors to make a tour of the parks on the following day as guests of the park commission. E. P. Adams, of Medford, Mass., expressed the thanks of the association for the courtesies extended; W. J. Van Patten, Burlington, Vt., told of park development in the Green Mountain state; C. E. Keith, Bridgeport, was as successful as ever in his strenuous presentation of the claims of his home town. Col. Osborne, of the New Haven Register contributed a most eloquent tribute to the beneficial influences of park reservations in crowded municipalities. Mr. Parker gave interesting statistics of the advancement in the art and craft of park making and pertinent suggestions for the future based on the experiences of the past. B. Worthen talked on parks for small cities and Christopher Clark recounted the successful outcome of the agitation for the taking of Mt. Tom as a public reservation.

The second day was devoted to a drive through the parks of New Haven. As there are forty-seven miles of drive ways, the entire day was taken up and then only a portion of the extensive reservations had been seen. Waterside park, an area of twenty-one acres, was first visited. It is a tract of reclaimed land not yet completed. Fort Wooster, of revolutionary note with its old fort and fine outlook over the harbor was next in order and then Fort Hale with its fortifi-

cations dating from the civil war. This eminence enclotted with cedars, sumachs, celastruses and viburnums and is exceedingly romantic, affording a rare view across the salt meadows in one direction and terminating on the water side in a rocky palisade with a sheer precipice eighty feet in height. East Rock was next visited, the drive to the summit being eight and one-half miles from Fort Hale, traversing the elm-arched avenues of Fair Haven. This park comprises 400 acres and the crag on which stands the soldiers' monument is 450 feet above sea level. The circuitous drive leading to the summit is beautiful in the extreme, through a rich woodland clothed with elms, lindens, oaks, chestnuts, hemlocks, hickory and an under cover of kalmias and ferns. At the top a lunch was served and a vote of thanks to the city officials and park commission was recorded. West Rock park, with an elevation of 500 feet was next visited and the far-famed Judge's Cave, where the judges who signed the death warrant of King Charles I in 1661 found

shelter and concealment from the officers of the crown after the Restoration, proved a feature of great interest. On the way thither, the nurseries of the park system, four acres in extent, were inspected and returning, a stop was made at the residence of the venerable horticulturist and writer Donald G. Mitchell (Ike Marvel) for the purpose of presenting him with a handsome loving cup. Edgewood park with its elaborate border plantations of shrubs and flowers and then Bay View park with its bracing sea breezes completed the itinerary and Superintendent Amrhyn received the well-merited congratulations of the visitors on the evidences of intelligent and tasteful management noted in every department of his extensive domain.

An exhibition of one of the Coldwell auto mowers was made on the open green in front of the headquarters. This latest advance in garden machinery was observed with much interest and commented on most favorably for the perfection of its work.

The last day of the convention was devoted to a visit to Meriden, where, under guidance of Meriden's benefactor, Walter Hubbard, the famous Hanging Hills and other divisions of the park system were visited and Mr. Hubbard's hospitality proved, as heretofore, boundless.

THE ROSE.

JOHN H. TAYLOR, of Bayside, N. Y., is making a signal success of his culture of Liberty roses on the cut-back method. The plants are given a rest, as in the old method of forcing H. P. roses, and are then cut down close so that the growths all come from the base of the plant, and when the flower is cut the entire stem is taken with it. Hence no tying is necessary, and abundant light and air reaches every part of the growth. Mr. Taylor is rapidly turning his carnation houses back to roses as the more profitable crop, and solid beds with grafted roses throughout are the rule.

Rose Night at Orange, N. J.

A deferred meeting of the New Jersey Floricultural Society was held at the



VIEW IN EDGEWOOD PARK, NEW HAVEN, CONN.

society's rooms in Orange June 17. The postponement from June 3 was caused by a desire to enjoy a special "rose night." The tables were filled with the products of the estates in this and adjacent neighborhoods, chief among which were seven vases exhibited by John Crosby Brown, from the hand of Peter Duff, a separate stand, being thought worthy for an additional vase of Baroness Rothschild of fine form and almost perfect symmetry. So near alike was each individual blossom it received 85 points. A large vase of a variety of blooms exhibited by William Runkle, grown by D. Kindsgrab, not for competition, received the society's first class certificate. The interest of the evening, however, centered in twenty-seven named varieties exhibited in the amateur section by a lady, one of A. D. Rose's clientele, entered in the name of her brother, C. H. Wilmer, of Montclair. It received a first class certificate.

Another exhibit was a superb *Cattleya gigas*, remarkable for size, number of blooms and compact form, due probably to its having been grown near the glass, for William Barr, by Arthur Bodwell, as was also a *C. Loddigesii* and an *Oncidium Harrisonianum*. A vase of white peonies of extraordinary size was shown by Peter Duff. A seedling poppy closely resembling *orientale*, by A. C. Jenkins, of Lewellyn Park, grown by George Von Qualm, and sweet william by A. C. Van Gaasbeck, grown by Wm. Bennett. In pots were several *Nephrolepis Piersoni* from Peter Duff, a specimen *Phyllotanium Lindenii*, receiving 85 points, from William Runkle, grown by D. Kindsgrab, and a large array of fruits and vegetables, it being the initial exhibit of this season in the contest for the silver cups. The finest strawberries were grown by D. Kindsgrab, receiving 60 points. The judges for the evening were John L. Collins, John Hayes and Jos. B. Davis. One new member was placed in nomination and a letter from Vaughan's Seed Store offering a prize for a vegetable competition was referred to a committee. Discussion as to how to render the work of judging more expeditious and a motion to separate the competitive from the not for competition portion of subsequent shows consumed the evening.

JOS. B. DAVIS.

New Rose Etoile De France.

This new rose, the result of a cross between Mme. Abel Chatenay and Fischer Holmes is one of the products of that well known and able rose grower, J. Pernet-Ducher, of Lyons, France. It is described as very vigorous in growth and of robust constitution, forming upright bushes of large size, with very few thorns on the branches; foliage of a handsome bronzy green color; buds long and carried singly on stiff, erect stems; flower very large, with petals of good substance, magnificent cupped form, very full and expanding freely; color, superb velvet crimson; the center of the bloom vivid cerise. The flowers are very fragrant and last well.

This new variety has inherited from the seed-bearing parent, Mme. Abel Chatenay, its wonderful habit of growth and free flowering qualities, and from the pollen parent, Fischer Holmes, it has derived its brilliant color. It is claimed for Etoile de France that it is the queen of ever-blooming red roses; the best red rose for forcing under glass for cut flower purposes, and the most vigorous and free blooming rose ever introduced. It was awarded a gold medal in



NEW ROSE ETOILE DE FRANCE.

the international horticultural exhibition at Turin, Italy, May 12, 1904, and a first-class certificate of merit by the National Horticultural Society of France May 25, 1904.

Spring Show at Tarrytown, N. Y.

In the Tarrytown Horticultural Society's June show of strawberries, roses and vegetables, held in the Young Men's Lyceum, Tarrytown, N. Y., June 14, the classes were well contested, the winners in the competition for gardeners being as follows:

D. Mac Farlane, gardener for Mrs. H. Walter Webb, Scarborough, N. Y., won a prize of \$25 for the best vase of hybrid perpetual roses, assorted, not to exceed fifty blooms; the prize of \$20 for the best collection of flowers cut from hardy perennials.

H. Nicholls, gardener for Mrs. J. B. Trevors, won the prize of \$5 for the best three quarts of strawberries, of three varieties; first for the best one quart of strawberries; first for the best collection of outdoor roses; first for the best twelve outdoor roses of one variety, and first

for the best collection of twelve vegetables.

A. Grierson, gardener for H. Arnold, Portchester, N. Y., won first for the best six varieties of outdoor roses; first for best display of outdoor climbing roses, and second prizes for perennials and collection of roses.

James Ballantyne, gardener for Mrs. George Lewis, Tarrytown, won first for the best three varieties of outdoor roses; first for the best display of antirrhinums; first for the best collection of flowers cut from hardy shrubs, and first for the best collection of sweet peas.

A. Wissenberger, gardener for H. Willets, White Plains, won first for the best vase of roses.

Joseph Tierney, of Hastings, N. Y., won first prize for best six varieties of vegetables.

There was a special exhibit of perennials by F. S. Pammer, and a collection of palms and foliage plants shown by the F. R. Pierson Company, which also exhibited a fine specimen of the new fern, which is a decided improvement on the *Nephrolepis Piersoni*. T. A.

WITH THE GROWERS

Julius Roehrs, Rutherford, N. J.

A few years ago, when F. Sander, of St. Albans, England, visited New York, he made sanguine predictions as to the future use of orchids as cut flowers in this country, which seemed at that time almost out of the range of possibility. But Mr. Sander's forecast was correct, as no one can fail to realize after a visit to some of the places where orchid culture for the cut flower trade is carried on and large amounts of money confidently invested in this specialty. Julius Roehrs has twenty-three houses devoted exclusively to orchids and, as a general thing, the demand for the flowers keeps ahead of their production. Frequent importations coming in add steadily to the quality and variety. There is a constant encroachment on the stock due to the increasing demand for collections for filling private conservatories. This department of the plant growing business is also assuming large dimensions. Within one week recently Mr. Roehrs was called upon to supply the material for filling three sets of conservatories. This included palm, orchid and stove houses, and comprised an infinite variety of kinds in each case.

While the catalogue of varieties in orchids required to acceptably stock up a private collection must be of necessity very comprehensive, the list of sorts useful for commercial cut flower purposes is as yet quite limited. Cattleyas hold first place, and selected according to their flowering time, may be had consecutively through the greater part of the year. Cattleya Mossiae, the great spring blooming species following after the trianas are ended, is now drawing to a close for this season. The sweet-scented C. Gaskelliana is now at its height, and C. gigas just begins to show the flowering sheaths, an occasional precocious individual already opening its gorgeous blooms. C. Dowiana, a very late one, with gold and crimson flowers, will appear afterward. C. Warneri is a splendid species, blooming in April and May, but is rarely seen in commercial collec-

tions in quantity, owing to the difficulty attending its importation, as it carries poorly. Mr. Roehrs grows his cattleyas mostly in peat now, having given up the use of moss, largely because the plants seem to thrive better in the peat. Leaf mould is also regarded as an unsafe material in a large commercial place, although all right in a private conservatory, where every individual specimen may receive separate attention as to watering.

Phalænopsis amabilis is blooming now, and is about the only white orchid available at the present time. P. amabilis Rimestadtiana is a beautiful variety introduced by Linden two years ago, and should hold a prominent place as a cut flower sort when it becomes more plentiful. The flowers are very large, and are distinct from the type in having a clear yellow throat minus the purple marking seen in amabilis. The petals take on a slight pink flush at times. P. Schilleriana is now all through flowering. Mr. Roehrs has nearly a thousand phalænopsis. They are suspended well up towards the glass in a shaded house in five to seven-inch baskets. Grown on a stage, the long, brittle roots are apt to be injured in handling, and ants are a constant pest. The desired constant moisture in the house is augmented by covering the benches with a layer of coke, which is kept continually wet. In the same house are cyripediums and Anthurium Scherzerianum, both of which flourish in the same moist atmosphere which is required for the phalænopsis.

Among those useful florists' orchids the dendrobiums two are grown largely here for cut flowers, D. formosum giganteum and D. Bensoniae. Formosum giganteum is one of the best sellers, the pure white flowers commanding a steady price throughout the entire winter. Vanda cœrulea and Lælia anceps are also standard goods, the white variety of the latter being always in demand. Mr. Roehrs has a big lot of calanthes. Veitchii and vestita are the staples, and they are now in vigorous growth preparatory to a crop of handsome flower spikes in the fall. Calanthes are gross feeders during the growing period, and are given rich soil well fattened with manure. As to cyripediums, one or the

other is in bloom always. Just now C. Lawrenceanum has its day. Odontoglossum Roezlii and Roezlii alba are also included in the limited number of bloomers available for the June weddings which are now in progress.

Mr. Roehrs is endeavoring to meet the tremendous demand for crotons which has developed of late, and has been striking cuttings by the thousands all through the spring. He considers Reidii the best of all the varieties. Sunshine is another leader, and among the narrow-foliaged varieties Andreanum and Prince of Wales, the latter with spirally twisted leaves, are commercially in the first class. The stock propagated this spring will make nice plants for next Christmas sales. Camellias are receiving greater attention owing to the rapidly growing Easter demand. The young plants are all imported. Two to three feet high in seven-inch pots is the favored size. A new tuberous begonia just blooming for the first time is Gloire de Bruges. The flower is large, double pink and very symmetrical. The white Lorraine begonia, Mumford Hall, is better in all respects than the one known as Caledonia.

The stately specimen pyramidal bays, shown in the accompanying illustration, were part of a recent importation by Julius Roehrs, a leading dealer in bays. The tendencies of architecture in country villas and the rampant fad of "Italian" gardens are in part responsible for the bay trees' popularity. The sale of these formal objects has greatly increased in this country within a few years and promises to continue.

World's Fair Notes.

The setting of bedding plants is completed. Only those in the vicinity of the Agriculture and Horticulture buildings are competing for medals. They have been furnished by various florists, but the planting has been done under the direction of Superintendent Hadkinson. The weather has been quite favorable and the stand is almost perfect. Among the largest exhibitors is J. C. Vaughan, of Chicago, whose plants fill the beds west of the walk between the two buildings. They include several thousand cannas, several varieties of salvias, geraniums, coleus, ricinus, pansies, ornamental grasses and verbenas. Large numbers of cannas have been entered by William Schray & Son, St. Louis, Mo.; E. H. Barbour, Lincoln, Neb.; W. W. Coles, Kokoma, Ind.; Conard & Jones Company, West Grove, Pa.; J. Roscoe Fuller, Floral Park, N. Y.; W. F. Kasting, Buffalo; August Obermeyer, Parkersburg, W. Va., and Nathan Smith & Son, Adrian, Mich. J. K. Alexander, Breakwater, Mass., and Schisler-Corneli Company, St. Louis, have displays of dahlias. W. F. Dreer, Philadelphia, has sent aquatics, cannas, geraniums, penisetum, stokesias and other plants; W. A. Burpee & Company, Philadelphia, begonias and heliotrope; the Johnson-Musser Seed Company, Los Angeles, Cal., dahlias and callas; H. E. Newburg, Magnolia, N. C., tuberoses, caladiums and cannas, and Nathan Smith & Son, Adrian, Mich., salvias, anemones, geraniums and dwarf chrysanthemums.

A large and attractive display of peony blooms was made last week by the Charlton Nursery Company, Rochester, N. Y. It was entered in six classes: 25 white, 25 white blushed, 25 light pink, 25 dark pink, 25 red, and as a collection of not less than five of a variety.



GIANT BAY TREES AT JULIUS ROEHR'S, RUTHERFORD, N. J.

A *Victoria regia* is growing nicely in the smaller pond east of the Palace of Agriculture. The nymphæas in the display of George Richardson, Warren, O., in the pond southwest of the Palace of Horticulture are in flower.

The weather during the last two weeks has been nearly perfect, averaging about 80° as a maximum, and falling to 60° to 65° at night, with two good showers to refresh the lawns and plants.

Prof. L. R. Taft, who is in charge of the jury work in the horticultural department, is attending the commencement exercises of the Michigan Agricultural College this week.

Among the nurserymen who dropped in last week on the way to the convention at Atlanta, Ga., was C. L. Watrous, Des Moines, Ia.

Aerides Fieldingii.

Popularly known as the fox brush orchid on account of its long curved racemes densely furnished with large, fragrant white flowers, beautifully mottled with bright rose on spikes about eighteen inches long, this plant was introduced by Veitch of London in 1850 and is one of the finest of East Indian orchids, easy of culture and deserving a place in every collection. The illustration represents a plant now blooming in my collection, bearing four spikes, one of which is branched, and carrying altogether 178 flowers.

R. SCHIFFMANN.

British Trade Topics.

The great event of the horticultural year has been the summer show held in the Temple Gardens, a charming oasis in the midst of London's crowded thoroughfares. Additional importance centered in the event from the fact that the Royal Horticultural Society, responsible for the arrangements, is this year holding its centenary. The king and queen visited the show, and all that was lacking to insure a complete success was fine weather. There are not many striking novelties to record. Orchids were, of course, a strong feature. The most notable was the bigenic hybrid between *Cochlidia Noetziiana* and *Odontoglossum Pescatorei*, exhibited by Chas. Vuylsteke, Loschristy, Ghent, Belgium, under the name of *Odontioda Vuylstekea*. The blue ribbon of the show was secured by W. Paul & Son, of Waltham Cross, who had a magnificent display of roses, prominent being Dorothy Perkins, the American introduction which has attained great popularity, *Perle des Niegas*, a pure white polyantha variety; *Queen Alexandra*, Kane, Frau Drusckki, Maman Cochet, Margaret Dickson, etc. The Messrs. Paul received the coveted Veitchian gold cup, presented by Veitch & Sons, Chelsea, to celebrate the jubilee of the firm. Amongst the novelties I noted a new plant named *Gloriosa Rothschildiana*, with large carmine red flowers laced with gold at the edges. This was sent by Hon. Walter Rothschild. L. J. Drages Dom, Laeken, Brussels, exhibited a fine anthurium named *A. Gustavii*, with the blade of the leaf heart-shaped. R. Irwin Lynch, curator of the Botanic Garden, Cambridge, contributed a collection of new varieties of *Gerbera Jamesoni* comprising G. J. Sir Michael, yellow; Mayflower, pink shaded with yellow; Evangeline, pink; Brilliant, scarlet, and *Cantabrigiensis*, rosy pink. To give a full list of the exhibits would be to record a long array of names of the leading



AERIDES FIELDINGII.

florists and nurserymen of Great Britain.

Quickly following the Temple show there has been an international horticultural exhibition held at the gardens of the Royal Botanic Society in Regents Park. This was opened to-day (June 6). A notable attraction was the superb display of rhododendrons contributed by John Waterer & Sons, L't'd., of the American Nursery, Bagshot, Surrey. The firm has paid special attention to this branch, and of its nursery devotes sixty acres to rhododendrons alone. Its constant introduction of new seedlings has enabled it to secure a varied and extensive stock unrivaled in this country. At the show there were about 3,000 plants of a pleasing variation of shade. The 120 varieties represented included Mrs. W. Agnew, pale rose, yellow center; Duchess of Connaught, white with lemon-colored markings; Michael Waterer, bright scarlet crimson; Gowen Waterer; white, slightly blushed; Pink Pearl, a bold bloom of flesh-colored pink; Mrs. John Penn, salmon pink. Carter & Co., High Holborn, London, had a grand lot of gloxinias, verbenas and carnations, and Watkins & Simpson, Fairstock street, Covent Garden, London, had an interesting array of chrysanthemums, *Collinsia bicolor*, *mignonette*, *Schizanthus Wisetonensis*, *Alonsoa Warsewiczii*, etc.

Orchidists from all parts of Europe

were recently attracted to an important sale in London of a portion of the collection belonging to Norman C. Cookson. The total sum realized was over £5,000. *O. crispum Cooksoniae*, which had received a gold medal from the Royal Horticultural Society orchid committee realized £672. The other prices were correspondingly high, attesting to the fact that the orchid cult is still a rich man's hobby. Mr. Chamberlain, of course, sets the fashion.

On this side the value of combination and organization is being more fully recognized. The National Potato Society, formed at the beginning of the year, is making satisfactory headway and is receiving the support of many influential members of the trade. Experiments are being made in twelve counties by the society as to the relative characteristics of the leading varieties of tubers. Arrangements are also being made for a big show in the fall. The fruit growers have their federation as well as the market salesmen, and now the working gardeners are anxious to combine. Last week the British Gardeners' Association was formed, having for its object the raising of the status of the working members of the trade; the regulation of the hours of labor, and the securing of better wages. Mr. Watson, of Kew Gardens, is taking a keen interest in this movement.

THE RETAIL TRADE

VARIOUS things are sold to put in the water to make cut flowers last longer, says an English writer, possibly to arrest putrefaction. A teaspoonful of Condy's Fluid to a pint of water is probably as good as any of these.

Floral Arrangements at Dusseldorf.

The accompanying illustrations show two striking arrangements of orchids at the spring trade exhibition, which was held at Dusseldorf, Germany, May 12 to 15. In the make-up of these arrangements not only grand specimens were used, but also material which was very costly. Flowers were used the plants of which cost as high as \$4,000 each. All of these flowers were grown by Otto Beyrodt, of Merienfelde, Berlin. Intermingled with other orchids were the following: *Dendrobium thysiflorum*, *Cattleya*, *Cymbidiums*, *Laelias*, *Cypripediums*, *Masdevallias*, and, above all, beautiful and rare varieties of *Odontoglossum crispum*. *Adiantum* and *asparagus* were used for green.

New York.

The market was rather better all last week, but with the increasing heat took a decided drop Monday. A comparison of present conditions with those of a year ago indicates that the favorable prices received by growers during the cold, raw weather of the first half of June last, when carnations sold at \$3 and \$4 per 100, and roses of moderate quality brought good prices, has apparently induced growers to keep their plants still at work for the June sales. The result is quite the reverse of last year. The June, '04, prices are not one-fifth of what growers hoped for. Lilacs have sold well, bringing as high as \$8 per 100, also peas, stocks, feverfew, candytuft, and everything white. Peonies are about over and lilies are shortening up, but peas, candytuft and like outside stock is very plentiful, much being left over from day to day. Sweet peas now are all outdoor grown.

On account of the many deaths in the "General Slocum" disaster, estimated at 1200, the east side florists have had much funeral work. Some of them were so rushed they used metal designs. Joseph A. Herrman, of 75 Avenue B had probably the largest share of the work, and employed all the help he could get. So far as known only one florist's family suffered in the disaster. August Schmidt, 180 Avenue A, lost his mother, wife and child. Their bodies were recovered and interred in the Lutheran cemetery. Mr. Schmidt's brother and brother-in-law escaped from the burning steamer by swimming. The latter is in St. Luke's hospital, but in a fair way to recover. Many designs were sent to the house of mourning by Mr. Schmidt's friends in the trade. The "one touch of nature that makes the whole world kin" came out in the action of one woman sympathizer, who visited the morgue and scattered flowers upon the disfigured bodies of the unidentified and unidentifiable dead.

The auction season is on its last legs now and bargain hunters are in evidence. The sales on Friday, June 17, were slow in prices, but stock was still plentiful. On Tuesday of this week both our knights of the rostrum offered a grand lot of palms in addition to the general stock.

They struck one of the hottest days of the year and they had hard work to keep cool and sell. These were the chief events of the week and buyers were a plenty at moderate prices. Commercial sizes went well but the large specimens moved at the buyers' advantage. A few more sales and both Elliott and Cleary will rest till fall, William Elliott to go for his deferred honeymoon. Right up to the last sale auction prices on general stock were maintained but the break has come in most lines of bedding stock, which are now hard to move.

Next Wednesday, June 29, every florist will probably take a day off and participate in the outing of the New York Florists' Club. A grand time is assured, as well as a chance to win some of the many prizes donated by the craft. Fred Lentz has picked his team of married men and hopes to win the baseball game from the bachelors. The steamer "Isabel" sails from the foot of Thirty-first street and East river at 9:45 a. m. A dinner and the games will be held on the arrival of the boat at Witzel's Point, View Grove, Long Island. The Metropolitan band and orchestra will furnish music. A fine souvenir programme of the sports to take place has been issued, and includes a ladies' bowling match, a baseball game, boys' and girls' races, races for married and unmarried ladies, races for members of the club, bowling matches for the men and other interesting sports. The events in all number thirty-two. Cleary's Horticultural Hall adds one more prize to published list. A suit of clothes valued at \$35 is to be given to the grower who shall score best in a novel competition. Fifty potted plants will be placed fifty feet from the mark and contestants must bring them back, one at a time. The pots will be numbered from 1 to 50, the number of the pot to count as so many points for the man who captures it. Won't there be a scramble for 50 and 49!

A. L. Thorne has recently had completed a fine carnation house by the Pier-ton-Sefton Company. It is of galvanized iron framework throughout, even span, with full ventilation both sides. Mr. Thorne's theory is that no house can be too good for carnations and his stock bears him out. His cerise seedling *Pilgrim* appears to be full of good qualities, one of which is its long continued season of good blooming.

John I. Raynor is receiving the advance guard crop of August Jurgens' fine Newport grown roses and lily of the valley, which is coming by fast freight. The Newport season begins July 1, and judging by these samples of American Beauty, Kaiserin and Carnot roses Mr. Jurgens' enlarged plant is likely to take good care of the Newport summer trade.

J. H. Small & Sons, 1153 Broadway, have a window display of water lilies which is very attractive. The background is composed of oak branches and clumps of iris are placed at the rear of the pond. In the pond are over 100 lilies embracing a variety of colors. A small fountain in play adds to the general effectiveness.

The officials at the Bronx Botanical Garden have had much trouble through the stealing and wanton destruction of plants, some of them valuable specimens, by visitors. Future offenders are slated for severe punishment if caught.

The rumor that the old Thirty-fourth street market is to be torn down seems to be true. Already two of the growers having stands there have made application for space in the Cut Flower Exchange.

Young & Nugent have been receiving a remarkably fine lot of *Cattleya gigas* during the past week, much to the satisfaction of those who wanted something choice as a relief from the everyday run of stock.

Siebrecht & Son are offering cut sprays of *Centranthus ruber* which has met with some favor. It has a pleasing rosy red flower head and a light, graceful habit.

The enterprise of the Florists' Club outing committee in turning out such an attractive programme with so much advertising is much to be commended.

P. Brown, erstwhile running a store on Thirtieth street, has deserted the flower business for the environs of the grand stand and the allurements of the turf.

J. B. Nugent, Jr., the energetic chairman of the Florists' Club's entertainment committee, will contribute a good supply of White Rock for the club's outing.

June 18 was a record day at the Cut Flower Exchange. Buyers and sellers could hardly be accommodated, and prices generally were satisfactory.

Joseph Fenwick, employed for a long time by Ford Brothers, starts in business for himself as a wholesaler on July 1 at 48 West Thirtieth street.

George Matthews, of Great Neck, L. I., has disposed of his greenhouses, and will retire from business with a well-earned competency.

The F. R. Pierson Company's new sport of *Nephrolepis Piersoni*, shown Monday night, attracted very favorable comment.

Alexander McConnell is turning out some large window boxes in which hydrangeas effectively predominate.

Charles Golsner, the 16-year-old son of George Golsner, will try to become a seventy pound jockey.

N. Lecakes & Company have 1,000 cases of galax in cold storage.

Charles Millang had the best end of the lily market last Saturday.

Bonnett Brothers had some good shipping orders last week.

Thos. Young, Jr., is doing a good steamer business.

Visitors: William C. Barry, Rochester, N. Y., and Benjamin Dorrance, of Dor-ranctown, Pa.; John E. Haines, Bethlehem, Pa.; A. N. Pierson, Cromwell, Conn.

Chicago.

The June business so far has been a disappointment. The heavy demands and the big returns naturally expected at this time have failed to materialize and the last week's business has been no improvement over the preceding weeks. There are quantities of all lines of stock being moved daily but the prices are not the legitimate June prices and are ridiculously low in many items. The market is overcrowded with stock of an inferior grade. Roses continue to come in large supply with the exception of good American Beauty, which have been and promise to be exceedingly shy for some time to come. Many carnations are seen and it is possible to move only the fancies and these do not bring the prices they are worth. Peonies still come in and the cold storage will soon have its turn, but the season is rapidly waning. Much cheap stock is going the rounds. Good peonies sell from 50 cents to \$1 per bunch of a dozen. The poorer grades run down the scale to almost nothing.

Derby day last Saturday did not bring the flurry in retail lines that was anticipated. The authorities this year eliminated the book-making feature of the event and this is said to have had some



TWO STRIKING FLORAL ARRANGEMENTS OF ORCHIDS AT DUSSELDORF, GERMANY.

effect in detracting from the interest of the big day of Chicago.

At the last meeting of the Florists' Club June 23 progress was reported for several committees, otherwise there was little business. Action on the new by-laws was deferred to the next regular meeting, which will be held July 14.

Peter Reinberg has started to plant four new houses with American Beauty, and he reports that the carnations in the field are coming on slowly. What seems to be needed is a good heavy rain.

A. L. Randall Company sustained an approximate loss of \$400 from smoke and water in a \$5,000 fire, which damaged the building at 19-21 Randolph street Thursday night, June 23.

The store on Wabash avenue occupied by the Crown Piano Company, has been made attractive with window boxes which were made up and installed by Mrs. Penshorn, of Englewood.

On June 29, L. H. Winterson, of the firm of E. F. Winterson Company, will be married to Miss Steen. After the ceremony an extensive honeymoon trip will be taken.

The Albert Fuchs greenhouses and stock were transferred to the new proprietors, J. S. Wilson, of this city and George A. Kuhl, of Pekin, Ill., last Thursday.

The Chicago Carnation Company has been sending daily many consignments of peonies to this market. They deserve notice on their remarkable uniformity of quality.

Already some wholesalers have signified their intention of closing their places during July and August at 5 p. m. and it is thought that the movement will be general.

Albert G. Larson, of Galva, Ill., was here several days of last week buying greenhouse material. He contemplates adding to his establishment.

The new establishment of John Muir at Forty-seventh street and Grand boulevard is practically completed.

J. D. Thompson and family, of Joliet, are at St. Paul, Minn., this week.

Mr. and Mrs. O. P. Bassett visited the World's Fair last week.

S. W. Allen is now connected with E. H. Hunt.

Among the visitors here this week were A. G. Larson, Galva, Ill.; E. G. Hill, Richmond, Ind.; J. Morehead, Detroit, Mich.; D. B. Long, Buffalo, N. Y.; George A. Kuhl, Pekin, Ill.; W. H. Drake, Kenosha, Wis.; H. E. Philpott, Winnipeg, Man.; J. M. Gasser, Cleveland, O.; Harry Balsley, Detroit, Mich.; Emiel Kranz, Muscatine, Ia.

Philadelphia.

Business is fast approaching that mid-summer dullness that is so dreaded by the retail florist and yet which, like taxes and the inevitable, he accepts with more or less grace, according to his temperament. The best Beauty roses are now coming from out of town. They are about the grade we were getting a month ago; \$3 per dozen is about top price for the specials. The commission men carry them in stock, buying them outright, which is encouraging, as two years ago they would not have thought of taking the risk. Other roses are getting very low in quality and are only in demand for orders. There are plenty of carnations and they are showing the effects of the summer heat and long forcing and

the plants will soon be thrown out; \$1 to \$2 buys the best. Peonies are now from cold storage and they carry over surprisingly well, being as firm and hard or even more so than the fresh ones; \$4 to \$5 is the price. S. S. Pennock has still a fine crop to handle. Sweet peas now have the call, and as the outside stock is now in good shape in all colors they sell as well as anything; 35 to 50 cents is the price. A. L. Pennock is sending in fine valley to his brother. He certainly is way up when it comes to forcing valley.

The June meeting of the Pennsylvania Horticultural Society was held last Tuesday evening. There was a good attendance and much interest was taken in the various exhibits. There were several entries of sweet peas, although the season has been so backward that there were not as many varieties as last season. Wm. Robertson staged six vases of outdoor roses which were fine; also a vase of Liberty from outside, which he says is hardy and blooms all summer. There were also some pots of well grown gloxinias. The discussion of the evening was led by Dr. Huey. The subject was "The best way to winter dormant roses."

The last batch of longiflorums was cut out last Tuesday and sold by S. S. Pennock to Wm. Graham Company for a large wedding at Spring Lake, N. J. This winds up the crop for this season. On the whole, they have not been a profitable crop the past season, as when they were most in demand the growers could not get them in.

W. K. Harris, to whom we look for large Boston ferns is sold out for the present, but will show up strong in the fall. William K. was a little late taking up the Boston, but has made up the lost

time since. He always manages to get a finish to a plant that is hard to beat.

Ed Reid is getting a fine lot of gladioli from North Carolina. It is extra fine stock, better if anything than general stock that comes to this market.

Robt. Craig & Soa have commenced to cut their *Lilium auratum* which are a novelty in this market.

David Bearn has rented his place at Bala to A. E. Wohlert, of Altoona. K.

NOTES.

Florists in the new residence districts report a greatly increased demand for ornamental plants and shrubs, due very largely to the porch houses, which have been built in large numbers. In some sections of the city, where this class of house predominates, there is quite a rivalry among the owners.

Henry F. Michell Company is all alive, even this dull season. A well fruited apple tree in one window illustrates the use of Dilger's anti-codling moth device. In the adjoining window is a grape arbor, with Michell's grape bags in use protecting the fruit.

A great deal of outside stock is coming in and there is abundance of everything. No asters have yet made their appearance, but one grower has a lot all in bud, which he expects to market within the next ten days.

Berger Brothers, in their new wholesale place, 1220 Filbert street, are doing well. There is a business-like air about the place that invites confidence.

Ed Reid is handling large consignments of gladioli. Atlantic City used them largely jubilee week, one order to Reid calling for 1,600.

Edgar & Company, successors to C. A. Dunn & Company, 1516 Sansom street, are doing a steadily increasing cut flower shipping trade.

Wesley C. Jennings, of Olney, is still cutting good Bride and Bridesmaid, while his new stock is moving right along.

Charles H. Campbell, 3601 Germantown avenue, is active at housecleaning. His Boston ferns are fine.

Boston.

The annual rose and strawberry show of the Massachusetts Horticultural Society on June 21 and 22, was a great success, the exhibits filling two large halls. Roses were shown by the thousands, the list of varieties in all classes being very comprehensively covered. Among the special awards were a certificate of merit to Jackson Dawson for hybrid multiflora, Mianie Dawson, and honorable mention for an unnamed *Wichuraiana* hybrid; a bronze medal for Harriet R. Foote for collection of hybrid teas; silver medal to Robert T. Jackson for peony Samuel Henshaw, a Richardson seedling of phenomenal size and character; certificate of merit to Miss E. J. Clark for grape, Diamond Jubilee, this being its first showing in America; silver medal to Miss Clark for exhibit of fruiting pears, peaches, plums and nectarines in pots. The Blue Hill Nursery and Harvard Botanic Garden each staged extensive collections of garden perennials.

The show of peonies was undoubtedly the finest ever made in America. A collection of roses from the Arnold Arboretum comprised nearly seventy-five species. Sweet williams were a feature, the strains excelling any ever shown here before.

On Tuesday evening the Gardeners' and Florists' Club held its last monthly

meeting for the season. There was a large attendance and interesting general discussion on topics of timely interest, and President Pettigrew had provided a collation of sandwiches and coffee which was very acceptable.

Baltimore.

Few words are required to describe the condition of the cut flower trade. It is a thing of shreds and patches—what is wanted no one has, and what one has nobody wants. Good roses are scarce, and poor ones even are not more abundant than satisfactory, and those which come over from the City of Brotherly Love are in the same condition. Commencements are over and now remains only the few customary summer decorative demands, and the never remitting but always irregular calls for funerals. Temperatures are not extremely high, but, as a rule, there is much humidity in the air with all the discomfort that implies. Considerable planting is already done and everybody is busy. Outdoor stock continues abundant and there is no let up in southern shipments of gladioli. Bedding stock is practically at a standstill and the market men are dropping out.

John Bolgiano & Son say trade has been good, indeed, never more satisfactory, and the propitious weather has largely increased the average volume. Sugar corns have been scarce and high, of course, and some samples proved poorer than usual in germinating power. But gardeners have generally received good prices for all their product. A feature worth noting is the comparative absence of destructive insects. The pea bug is almost unseen, and the potato beetle is absent. The exemption from these troublesome pests seems attributable to the severe cold of the past winter.

The seedsmen seem fully satisfied with the outcome of their season's business. The Griffith & Turner Company reports that it never did a better business and that stock of all kinds proved satisfactory, though, of course, there was some scarcity of sugar corn and some complaint, perhaps more than usual, of its failure to germinate, due to the unfavorable conditions last fall when the seed was sowed.

James Glass, on Erdman avenue, is building a new house, about 20x140 feet. John Wilhime, on Franklin avenue, near Fullerton, is building two houses about 16x80 feet, and Harry Ekas, on the Frederick road, will build one house 20x100 feet for general stock.

John Eberhardt has given up his store on North Howard street. Though outside the burnt district, when his lease expired he was confronted with an increase in rent of over one hundred per cent.

H. C. Vansant, who occupied the Black greenhouses at Sutaerville has left.

This has been an unusually favorable season for the truckers. S. B.

Washington, D. C.

Though the summer dullness is billed to appear about this time the retailers have been reasonably busy the last week with weddings, commencements and funeral work. There is plenty of stock, such as it is, but the heat has played havoc with roses and carnations. Several of the growers have nice stocks of young roses planted and doing well.

A. Gude & Brother, who are extensive growers of roses, have several houses of

fine plants. Alexander B. Garden has erected a new house that is now planted with American Beauty, Bridesmaid and Golden Gate. Carnations, both house and field planted, are doing well. Though carnation blooms are generally of poor quality, I recently noticed some Genevieve Lord and Prosperity in John Robertson's store that were of fine quality. It may here be noted that the florists, who like Robertson, are located near Dupont Circle, must have good stock, even if they have to send to Philadelphia for it.

There are in every city a number of people who do not understand the rudiments of landscape architecture, and who could not distinguish a beautiful landscape from a cow pasture, yet, being honorary members of the American Federation of Butters-in, feel it their duty to give advice and "sass" to those who have made a life study and business of landscape work. Just now the Washington section of this notable order is very active because a few trees are to be removed from Lafayette square. Prof. Gifford Piachot, chief of the bureau of forestry, by request of President Roosevelt has examined the trees and recommended their removal, because they "are all completely overshadowed by larger ones, mostly elms, and the small trees are consequently rendered useless for shade purposes and interfere with the growth of the larger trees and the appearance of the park." All this seems right and reasonable, but it does not satisfy the "butters." I have no desire to disparage the work of the living or the dead. It is my aim, after a careful examination of a question, to state facts. I believe it to be a fact that much of the planting in the Washington parks was done in a haphazard fashion, without design or system, except to have plenty of trees. On parts of the mall the trees are far too numerous, and though yet but less than half grown, they interfere with each other.

On a recent visit to the grounds of the United States weather bureau I was pleased with the profusion of roses to be found there. There is a particularly fine display of Crimson Ramblers, and the whole reflects credit on Capt. Hiram Johnson, the gentlemanly superintendent of the grounds, who has done much of the work of beautifying with his own hands.

Bud. Bayliss, rose grower for J. Louis Loose, has joined the army of benedicts, and we wish him a long life that will be one sweet song of love.

Although there have been a number of hot days, the weather in general has been up to its reputation for June, but just now rain is needed. S. E.

Pittsburg.

Weddings, commencement exercises and a light demand for funeral work are the essential factors that keep us active this month. The weather conditions are ideal, and the outdoor flowers and landscape work throughout the city and in our parks were never so beautiful. Both roses and carnations seem to have reached their crisis, as very little fine stock is to be had, with the exception of American Beauty roses.

The second annual floral exhibition given under the auspices of the Bellevue Civic Improvement League, of Bellevue, was a delightful success. Among the florists who presented exhibits were W. H. Moore & Company, Morrisville, Pa.; H. A. Dreer, Philadelphia, Pa.; Pittsburg Rose and Carnation Company, John

Bader, G. & J. Ludwig, N. A. Blaney & Company, Ernest Ludwig, Alleghany, Pa.; Benjamin Elliott, Cheswick, Pa. Exhibits were sent from the Phipp's conservatories of Schenley park and from the conservatories of H. C. Frick.

The midsummer meeting of the Botanical Society of Western Pennsylvania was held on the evening of June 16 in the lecture room of Carnegie Library, Schenley park. Peonies were sent by the Springdale gardens, Cheswick, Pa., and Mrs. Alexander King, of this city. John Marron, of Quaker Valley, and George Elliott, of Allegheny, sent exhibits of roses and other seasonable flowers. A literary programme was carried out after the exhibition.

Sam McClements, of Randolph & McClements, has purchased a farm of seventy-two acres in Verona, which is a short distance from Pittsburg.

Ernest Ludwig is preparing to open his new store in East Diamond street, Allegheny, in the new building recently purchased.

Beginning this week Randolph & McClements will close their store at 1 o'clock during the summer.

The St. Louis convention is now becoming a popular topic of conversation among the florists.

Geddes & Blind Brothers have been very successful in moving bay trees this season.

L. I. Neff's display of Japanese dwarf trees brings many inquiries concerning them.

Frank Welfer is working the coal vein which he discovered under his farm.

E. L. M.

Louisville.

The last week was a very favorable one, the demand generally being unusually large, and now there is not much left in the refrigerator but ice. The commencement business last week was unusually large, the majority of schools graduating about twenty per cent more than in former years, therefore the increase can be readily accounted for. Not only was the quantity larger but the quality was better to a great extent. In former years almost any old thing would answer, but this year it seems people were a great deal more popular in their selections, and the prices realized were very satisfactory. Roses of good quality are very scarce in this section, and they still have to come from the north. Carnations are readily shortening in quality, but seem to be picking up in quantity. Peonies are a back number, the demand being very small. Sweet peas are about equal to the demand, but there is not as yet a glut on the market. Out of door stock is getting to be plentiful, such as delphiniums, lilies, gaillardias, cornflowers, etc.

Louis Kirch seems to be very successful in carnation growing, his stock keeping quality pretty well. He is one of the few who are making a success of the business, and he certainly deserves it as he is known to be a hard worker. For next year it is his intention to grow Mrs. Lawson and Joost for pink, Norway for white and Crane for red. He will also try two of the new varieties, Mrs. M. A. Patten and Nelson Fisher. His plants in the field are in an excellent condition.

There seems to be considerable comment by some growers on the raising of prices on bedding plants in this section, some of the smaller growers thinking it not advisable, but it is quite natural that a customer going to a large grower and

not willing to pay the additional price, will turn to the small grower, and if he asks the same price as the larger grower it will certainly be to his benefit to do so, as it is almost a certainty that he will make the sale. Think it over.

George Schulz, out on Goss avenue, has two houses (probably 4,000 plants) of carnations planted for summer culture, which from present standing will make him happy next winter. Mrs. T. W. Lawson, Enchantress and Lady Bountiful are the main varieties, there also being some Joost, Hill, etc.

It has been reported that a grower sold roses wholesale at the rate of 75 cents per dozen, and retail at 50 cents. Very nice for straight business.

Charles W. Reimers' bed of delphiniums is a sight well worth seeing.

Peter Reinberg has been sending some fine roses to this city.

F. L. S.

Cincinnati.

Trade since the last report has fallen off considerably and the market is pretty well glutted with roses, carnations and sweet peas, especially the last named, which have sold as low as \$1 per 1,000. The weather must have suited them this spring for they were never better, and up to the present week have met with a good demand. Carnations and roses are showing the effects of the warm weather, and there are no fixed values on these. "How much a jar?" is what the buyer is confronted with in the wholesale houses. True, there are a few really good blooms, and these bring fair prices, but the majority of the stock is hardly worth anything, and consequently is relegated to the barrel. Smilax sells fairly well, also asparagus and adiantum. Good eastern ferns are also to be had now. A few blooms of *Lilium auratum* are to be seen, but they are few and far between. *Delphinium formosum* and stocks are also seen and help to decorate the florists' windows. Peonies are about over, although we still hear of some being in cold storage.

Albert McCullough, of J. M. McCullough's Sons, and George Parvin are attending the seedsmen's convention in St. Louis this week.

Charlie Critchell will open a commission house July 1 on Third street. This will give us eight wholesale houses in this city.

Ed Murphy has the foundation ready for a new residence he will erect this summer.

Henry Wellman, of A. Sunderbruch's Sons, was married Wednesday evening, June 22.

Mr. and Mrs. August Sunderbruch have gone to Atlantic City for the summer.

A. O.

Syracuse, N. Y.

The planting trade has about ended. Florists here are not anticipating much activity for the next few months. There has been a large demand for flowers for June weddings and the next week will witness a good demand for cut flowers for members of the various graduating classes, both in the public and private schools.

Speaking of the planting season, Henry Morris said to-day: "It is practically over and would have been the best in many years had the florists kept up prices. Men were sent out to fill urns and boxes not knowing what price was to be received for the work and in many instances when complaint was made

that the boxes were not as full as a year ago, a dozen or more plants would be put in. The price of potted plants per dozen has kept up well, but boxes have been filled for less than the wholesale price of the plants.

The American Beauty roses now being offered to the local trade, last July's planting, give a fine cutting. They didn't do very well in the winter but made up for any loss in growth during the spring. The supply from the local greenhouses is about exhausted.

The Solvay Process Company is beautifying its grounds at Solvay, a suburb of this city, by grading land between the buildings and railroad tracks, in which flowers and shrubbery are being planted.

A. V. B.

OBITUARY.

Hugh C. Agnew.

Hugh C. Agnew, the well known California seed grower, died June 11 at his home at Santa Clara from glanders contracted from his favorite driving horse. About a week previous the horse, which was boarded at a public stable in Santa Clara, was noticed to be suffering from some disease, and Agnew had it removed to his home so that he could attend to the animal himself. While taking care of the horse Agnew became afflicted. Professor Lammar, an expert, was employed and he declared the disease glanders, and the animal was shot and cremated. Agnew was one of the best known men in the county. For a number of years he had been engaged in the seed business near Agnew, which place was named after his father. He was 50 years of age and leaves a wife, a brother, Jesse B. Agnew, and a sister, Mrs. Geo. Smith. Agnew's body was taken to the Odd Fellow's cemetery at San Francisco and cremated. See portrait page 896.

Frederick Grilbotzer.

Frederick Grilbotzer, senior member of the firm of Grilbotzer Brothers, carnation growers of Alexandria, Va., died June 13 at Ashville, N. C., whither he had gone in search of health. To his large circle of friends, among them the writer, the news of his death came as a shock, as it was hoped that he was on the way to the complete recovery of his health, which had been delicate for several months. His funeral was held at the family home in Alexandria on June 16, and the services were conducted by the pastor of the Presbyterian church of which he had long been a member. Born in Alexandria and educated in its schools, few young men were better known or more highly respected than he. Possessed of fine intelligence, energy and a great stock of sound common sense, to which was added uprightness of character, he was well worthy of the esteem in which he was held. He was prominent in Masonic circles and also a member of the Royal Arcanum. An aged father and mother, three brothers and two sisters survive him.

S. E.

Florists' Paper From Cover to Cover.

AMERICAN FLORIST CO.—Enclosed find \$1 for renewal of my subscription as I see my time is out June 15 and I can not miss a number. It is truly a florists' paper from cover to cover.

M. L. PENWELL.

THE AMERICAN FLORIST

NINETEENTH 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.
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Discounts are allowed only on consecutive inser-
tions, as follows—3 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising Department of the AMERICAN
FLORIST is for florists, seedsmen and nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-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.

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

WE are in receipt of the official report
of the third annual meeting of the Ameri-
can Carnation Society, held at Detroit,
Mich., March 2 and 3.

ARE your greenhouses used as ware-
houses or factories? Do you store goods
or make goods? Do they pay you one
dollar per square foot?

ACCORDING to the Gardeners' Chronicle
the present year is the English centenary
of the dahlias, seeds having been received
in that country May 20, 1804.

An elevated tank, with means of con-
necting same to the water system in the
houses by faucet, forms an easy and clean
method of applying liquid fertilizers.

AND now the Rambler rose in all
its glory. A round of the suburbs of
Philadelphia discloses how deservedly
popular this beautiful climber has become.
What a satisfaction in its vigorous
growth!

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

A. L. Thorne, Flushing, N. Y., submits
for registration seedling carnation Pil-
grim. Seed parent, Mrs. Geo. M. Bradt;
pollen parent, Mrs. Thomas W. Lawson.
Color, dark cherry pink; large, symmet-
rical and high centered; a good keeper;
stems long and stiff; calyx does not
burst.

WM. J. STEWART, Sec'y.

New York to St. Louis.

Following are the arrangements for
transportation to the S. A. F. convention
at St. Louis, as announced by Chairman
Patrick O'Mara of the transportation
committee. The route is by the Balti-
more & Ohio R. R., with stop-overs at
Philadelphia, Washington and Cincin-
nati. The rates are, season excursion
ticket \$34; sixty day excursion \$28.35;
fifteen day excursion \$23.25; Pullman
rate \$6 each way. Mr. O'Mara urges
that reservations be given the committee
at the earliest possible moment—he
emphasizes this—and states that on
request the committee will endeavor to
secure hotel accommodations also.
Refreshments for the special train have
not been forgotten.

Suit for Plant Injury by Gas.

The case of Grattan Doyle, of West-
minster, Md., against the Westminster
Gas Light Company was concluded by
the jury rendering a verdict for the plain-

tiff for \$375, says the Baltimore Ameri-
can. The case excited much interest. It
was a suit to recover damages for injury
to plants and flowers in the greenhouses
of the plaintiff during the past winter by
gas escaping from the pipes of the defend-
ant company. Many of the plants were
so badly damaged as to become worth-
less, and the plaintiff attributed this re-
sult to the gas which escaped from leaks
in the company's pipes. The jury took
the same view of it and rendered a ver-
dict accordingly.

A Model School Board.

The Boston board of education in con-
trast to the Chicago trustees, who have
forbidden the presentation of flowers to
the public school graduates at the com-
mencement exercises, not only has
decided that the grammar school gradu-
ates of the Hub shall have bouquets but
has appropriated \$1,000 with which to
buy them. The bouquets will be pre-
sented at the school festival June 25.

An Open Letter.

FREDERICK W. TAYLOR, Acting Chief of
Horticulture, World's Fair, St. Louis,
Mo.

DEAR SIR:—As early as March 5, 1902,
we engaged space for an exhibit of new
geraniums. We have since worked on
this exhibit, and had 1200 plants of our
own origin, never shown before, ready
this spring for this purpose. We notified
you to this extent and have written
three letters since May 1, asking for the
size of beds, labels, etc. As you have not
answered our inquiries by mail we
address you openly in this letter, in the
interest of floriculture. Why have our
letters been unanswered? Very truly
yours,
HENRY EICHOLZ, Florist.
Waynesboro, Pa., June 20, 1904.

Iris Kaempferi.

ED. AM. FLORIST:—Can any reader of
the AMERICAN FLORIST tell me what is
the matter with my bed of Iris Kaempferi?
Some of the plants are a bright
golden color, yet they get an abundance
of water, all are growing well and many
look perfectly healthy. H. T.

It is difficult to say just what is the
matter with the bed of Iris Kaempferi.
Try enriching the soil by adding well
decomposed manure. A small quantity
of nitrate of soda might help them, say
half a teaspoonful of the salt to some of
the plants that show the golden color,
leaving others untreated to find out if
there is any advantage in the use of a
fertilizer. L.

Drying off Bench Callas.

ED. AM. FLORIST:—Please give me some
advice in regard to drying off callas
which have been planted in raised benches.
I have grown them in pots heretofore. I
want to plant chrysanthemums in the
bench as soon as I can cure the bulbs.
Would it be advisable to start the lilies
in pots in the fall and transfer to the
bench after the chrysanthemums have
bloomed? Let me know how to handle
them after they are removed from the
benches. H. Q.

After the callas have been removed
from the benches which could be done by
taking out with them some of the soil in
which they have been growing they could
be placed anywhere outdoors where they
could be kept dry. I would advise that
the callas be started in pots in the fall

before planting them in their blooming
quarters, and in that way those which
stand first and strongest could be kept
together, thus avoiding the crowding of
the weaker plants. L.

Steam Heating Battery.

ED. AM. FLORIST:—Can two tubular
boilers of different capacities be success-
fully used in a battery for steam heating?
How should same be connected to insure
perfect working? Boilers are to stand on
level of greenhouse floor and condensa-
tion to be returned by means of auto-
matic pump. J.

There should be no difficulty in using
boilers of different capacities in a battery
for steam heating. They should be so
connected with the main steam pipe that
either will be able to furnish steam to the
system, when the other boiler is not
fired. Return pipes should lead from the
main return to the bottom of each of the
boilers, and in addition to check valves
on each return there should be valves on
all of the flows and returns so that either
boiler can be cut out when not being
fired. L. R. T.

Coming Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BOSTON, MASS., November 3-6, 1904.—Chrysan-
themum exhibition Massachusetts Horticultural
Society. W. P. Rich, Sec'y, Horticultural Hall,
300 Massachusetts avenue, Boston, Mass.

BOSTON, MASS., November 3-6, 1901.—Annual
exhibition Chrysanthemum Society of America.
Fred. H. Lemon, Sec'y, Richmond, Ind.

CHICAGO, November —, 1904.—Annual exhibi-
tion Horticultural Society of Chicago. E. A.
Kunst, Asst. Sec'y, 5700 Cottage Grove Avenue,
Chicago.

DOBBS FERRY, N. Y., November 11-12, 1901.—
Fourth annual flower show Dobbs Ferry Gard-
eners' Association. Henry Kastberg, Sec'y, Dobbs
Ferry, N. Y.

MONTREAL, QUE., November 9-10, 1904.—Fif-
teenth annual chrysanthemum show of Montreal
Gardeners' and Florists' Club. W. H. Harobin,
Sec'y, 23 Clouse street, Montreal.

NEW YORK, N. Y., November 8-17, 1904.—
Annual exhibition American Institute of the
City of New York. Dr. Robert Taylor, Mgr.,
19-21 West Forty-fourth street, New York.

PHILADELPHIA, PA., November 8-12, 1904.—
Annual exhibition Pennsylvania Horticultural
Society. David Rust, Sec'y, Horticultural Hall,
Broad street, below Locust, Philadelphia.

PROVIDENCE, R. I., November 16, 1904.—Chrysan-
themum and carnation exhibition Rhode
Island Horticultural Society. C. W. Smith,
Sec'y, 27-29 Exchange street, Providence.

RED BANK, N. J., November 1-2, 1904.—Seventh
annual exhibition Monmouth Horticultural Soci-
ety. H. A. Kettel, Sec'y, Fairhaven, N. J.

New England Notes.

CENTREVILLE, MASS.—J. L. Stone &
Son have purchased the greenhouses of
F. S. Fisher & Son.

WALLINGFORD, CONN.—The Barnes
Brothers' Nursery Corporation has incor-
porated with capital stock of \$15,000.

ROCKVILLE, CONN.—Julius Germindel,
an employe of Theodore Standt, was
assaulted last Saturday night by a young
man who was afterwards arrested and
fined.

SAUGUS, MASS.—Malcolm Orr has pur-
chased of Wm. Miller & Sons a piece of
property consisting of ten acres of land,
on which are greenhouses, each 20x150
feet. Mr. Orr's specialty will be violets.

MONTPELIER, VT.—Alex. Emslie, who
succeeded E. Jacobson in business a year
ago, has taken into partnership Alex.
Broadfoot, and the firm name after July
1 will be Emslie & Broadfoot. New
houses will be erected and many improve-
ments made in the old plant. A seed
department will also be added.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

The Best Spring Plant.

Today the year's
First sprig of morn
I saw. What joy,
What rapture in't!
The jonquil and
The violet
Had sprung before
To life—and yet
In spite of them,
And more beside,
My heart was sad.
Unsatisfied!
But now my pain
And longing cease;
The mint has come—
And perfect peace!
—New Orleans Times-Democrat.

At Chicago.

The handicap tournament of the Florists' Club bowling team was brought to a close at the last meeting at Mussey's alleys Tuesday evening. The high score men will represent the club at the S. A. F. convention at St. Louis in August. These are the first named of the following, who qualified by rolling the necessary number of games. The totals, games played and averages are appended:

	Games.	Totals.	Per Ct.
F. Stollery	25	4402	176
Asmus	30	4929	164
Stevens	27	4291	159
Scott	31	4657	155
Balluff	25	3850	154
Hauswirth	25	3846	154
Degnan	25	3772	151

The prize winners were F. Stollery, George Asmus, P. J. Hauswirth and John Degnan, the first two winning the straight and the latter the handicap matches. Each gentleman was awarded a straw hat. The following are the scores of the last meeting:

Player.	1st	2d	3rd	4th	5th
Hauswirth	147	177	154	154	158
Asmus	144	133	148	157	179
G. Stollery	173	177	136	144	187
Scott	163	157	172	134	135
F. Stollery	144	180	170	155	197
Stevens	159	150	140	187	166
Degnan	125	155	163	148	173

At Philadelphia.

The third match in the contest for places on the convention team was bowled Wednesday, June 15, on the Casino alleys, and resulted in Captain "Robby" getting back at Captain Yates for the defeat of a week ago. The scores did not run as high as last week, the change of alleys being largely accountable, as some were just suited while others could not get the "hang" of them until too late. Robertson had top total with 538, while Anderson was high for single game with 196, just beating Westcott for the honor by one pin. Point winners were Robertson 3, Westcott 3, Anderson 2, Connor 2, Harris 2, Adelberger 2, Yates 2, Kift 1, Graham 1. The scores follow:

PLAYER.	1st	2d	3d
Robertson	185	164	189
Adelberger	145	175	176
Anderson	196	157	174
Westcott	158	175	195
Graham	157	131	169
Total	841	802	903
PLAYER.	1st	2d	3d
Yates	158	140	159
Connor	162	125	187
Kift	157	156	182
Harris	187	159	143
Burton	167	123	135
Total	831	703	802

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Adv. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By practical florist. No. 1 grower of roses, carnations and 'mums. Good designer. Address
W, FLORIST, 47 Miami Ave., Detroit, Mich.

Situation Wanted—By Englishman; 18 years' practical experience in all branches. Age 33. Capable of taking charge. Address
WILLIAMS, Eagle Park, Ossining, N. Y.

Situation Wanted—By experienced gardener, in private place; competent in horticulture, greenhouse and vegetable gardening. References. Address
F O B, care American Florist.

Situation Wanted—As foreman by AI grower of roses, carnations, 'mums and general line of bedding plants, where first-class stuff is wanted. Address
GROWER, care American Florist.

Situation Wanted—Gardener, married man, with family, thoroughly experienced in all branches, wants position on private place. Sober and reliable, with best of references.
FRED RUOF, Paxtang, Pa.

Situation Wanted—By a Hollander, age 30, as florist or gardener on private place. He is sober, steady and industrious, single; have about 13 years' experience. Can furnish first-class reference and has good education. State wages.
B B, care American Florist.

Situation Wanted—By middle-aged, sober man, single; 20 years' experience; store work. First-class designer, decorator and salesman. References, special arrangement for summer months. Permanent position at once. Address
FLORIST, 22 Conklin St., Poughkeepsie, Dutchess Co., N. Y.

Situation Wanted—A first-class florist and grower of fine cut flowers, wishes to settle down in Rochester, N. Y. Was foreman for last 8 years, 5 years in Washington, D. C. German, married, 4 grown children, only those need apply where strictly first-class stock is wanted. For information apply to
MRS. REDINGER,
11 Kondolf St., Rochester, N. Y.

Situation Wanted—An American, at present employed, of unusual business ability, desires a first-class situation or working interest in some good establishment or will accept traveling position. A No. 1 grower and propagator either in greenhouses or nursery and good ability at landscaping. First-class references.
COMPETENT, care American Florist.

Help Wanted—Foreman for nursery. Address
M P, care American Florist.

Help Wanted—Good decorator and store man. Must come well recommended. Address
B G, care American Florist.

Help Wanted—Assistant rose grower; must be good man. Address
C. H. FREY, 1133 O St., Lincoln, Neb.

Help Wanted—An all-around plantsman, to look after two greenhouses which are in connection with retail store, located in Chicago. Address
E, care American Florist.

Help Wanted—A good man for retail flower store in Chicago; must be an able and energetic salesman and good designer. Address
A E A, care American Florist.

Help Wanted—A competent man for greenhouse work as assistant in private place. Wages \$60.00 per month to a good man. Send references.
J. C. KELLY, 606 Case Ave., Cleveland, O.

Help Wanted—A young man man with some experience, for general greenhouse work, in a first-class retail place. Situation permanent for the right man.
THEO. BOCK, Hamilton, O.

Help Wanted—Good man to grow roses, carnations and general stock. Must be a hustler and capable of taking entire charge of 21,000 square feet of glass. Wages \$30.00 per month and board.
S. GIBBS, Woodville, Pa.

Help Wanted—A working foreman; beauty grower. Satisfactory wages paid to competent man. Give references as to character, and ability as a grower. Address
FLORIST, Box 18, Station A, Cleveland, O.

Help Wanted—At once, a working foreman. Must be good grower of roses, carnations, 'mums, etc., and able to handle help. Wholesale cut flowers only. State wages. German preferred; give references. C M, care American Florist.

Help Wanted—By June 20, experienced man for general greenhouse work; must be sober, reliable and a good worker. One with some experience in greenhouse building preferred. Wages \$12.00 per week. References required.
J. A. BISSINGER, Lansing, Mich.

Help Wanted—An up-to-date florist, who has from \$500 to \$5,000 to invest in an established greenhouse business of growing cut flowers. State wages wanted and give references, as to character and ability as a grower. Address
BUSINESS, care American Florist.

Help Wanted—A good rose grower as foreman for section; ability to handle men under him. Good position for married man. Chicago man preferred. Greenhouses in Chicago. Wages \$15.00 per week. Address
CHICAGO, care American Florist.

Help Wanted—A good all-around florist, one that is able to take charge of 5 or 6 greenhouses growing carnations, roses, bulbs and bedding plants. Can have an interest in the business if he so desires. Apply by letter to
HENRY F. MICHELL Co.,
1018 Market St., Philadelphia, Pa.

Wanted—To buy a good second-hand boiler, medium size; also 600 feet of 2-inch pipe.
F O, care American Florist.

Wanted—Gardener as partner, a competent and practical man; small capital preferred. A good opportunity, near a growing city.
B M 12, Seattle, Wash.

Wanted to Rent—Small florist place of about 6,000 to 10,000 feet of glass, with or without stock. Indiana, Illinois or Ohio preferred.
H. E. MITTING, Kokomo, Ind.

Wanted—To rent greenhouse establishment of 20,000 or more feet of glass. Place must be in good shape, within 15 miles of Chicago. Will buy stock. Address
J J, care American Florist.

Wanted Partner—With money to develop and enlarge a good paying business; 3,600 feet of glass, want to double or treble size of plant. It is too small for present needs. Population 4,000. Other towns in easy reach. Partner who understands gardening preferred. For particulars, address
Box 276, Richmond, Mo.

For Sale—Greenhouse, 2,500 feet of glass; rare bargain; good location; business established; owner in failing health. For particulars, address
S. A. NOBLE, El Dorado, Kan.

For Rent—Four greenhouses, 10,000 ft. of glass; everything in good order; only greenhouse here; population 40,000. Would sell on easy terms.
L. O'SULLIVAN, West Superior, Wis.

For Sale—Very cheap, second-hand section of the Advance boiler; several only used a short time. For particulars, address
P. M. KEIPPER, Station E, Milwaukee, Wis.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale—Two first-class horizontal tubular boilers. 30 H. P. each, 9 feet long, 42 inches diameter. All fittings complete and warranted in AI condition. Price f. o. b. \$150 each.
GEO. E. BUXTON, Nashua, N. H.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address
SAMUEL J. BUNTING, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 11 large greenhouses, 20 lots 125 feet deep, 50 feet frontage, fine dwelling house, etc., with modern conveniences; plenty of water and coal; good soil; everything in first-class order; all new. Have other business; have to give this up. There is money in it. I have made money, so can you. Try it. Terms reasonable.
W W, care American Florist.

Greenhouses For Sale.

Fine location in Waltham, Mass. Established retail business. 8,350 square feet of glass, work room, stable, etc. Two acres of good land. Horizontal tubular boiler, new last fall. All to be sold at a very low figure. Inquire of

ANNA W. KIDDER, Waltham, Mass.

ALWAYS mention the AMERICAN FLORIST when writing to advertisers.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing

Wholesale Flower Markets

MILWAUKEE, June 23.

Roses, Beauty, long per doz.	3 00
" " med. "	1.50@ 2 00
" " short.....	4.00@ 8.00
" " Liberty	2.00@10.00
" " Chatenay.....	2.00@ 8.00
" " Bride, Bridesmaids.....	2.00@ 5.00
" " Meteor, Golden Gate.....	2.00@ 5.00
" " Perle.....	2.00@ 5.00
Carnations.....	.75@ 2.00
Smilax.....	15.00
Asparagus.....	35.00@50.00
Valley.....	3 00
Harrisii.....	8.00@10.00
Peonies.....	2.00@ 5.00
Sweet peas.....	.50@ 1.00
Adiantum.....	1 00

PITTSBURG June 23.

Roses, Beauty, specials.....	25.00@30.00
" " extras.....	15.00@20.00
" " No. 1.....	8.00@10.00
" " ordinary.....	3.00@ 5.00
" " Bride, Bridesmaid.....	2.00@ 6.00
" " Meteor.....	2.00@ 6.00
" " Liberties.....	3.00@12.00
" " Kaiserin.....	2.00@10.00
Carnations.....	5@ 2.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	10.00@15.00
Asparagus, strings.....	30.00@50.00
Asparagus Sprenger.....	2.00@ 3.00
Daisies.....	.50
Gladioli.....	3.00@ 8.00
Iris.....	3.00@ 4.00

CINCINNATI, June 23.

Roses, Beauty.....	1.00@ 3.00
" " Bride, Bridesmaid.....	2.00@ 5.00
" " Liberty.....	3.00@ 6.00
" " Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	15.00
Adiantum.....	1.00@ 1.50
Harrisii.....	8.00@12.50
Peonies.....	4.00
Sweet peas.....	1.50@2.50 per 1000

ST. LOUIS, June 23.

Roses, Beauty, long stem.....	2.00@3.00
" " Beauty, medium stem.....	1.50@2.00
" " Beauty, short stem.....	.35@ 1.25
" " Bride, Bridesmaid.....	3.00@ 5.00
" " Golden Gate.....	3.00@ 5.00
Carnations.....	1.00@ 3.00
Smilax.....	15.00
Asparagus Sprenger.....	2.00@ 3.00
" " Plumosus.....	25.00@50.00
Ferns, Dagger per 1000 1.50	
Adiantum.....	1 00
Peonies.....	2.00@ 4.00
Sweet peas.....	.40@ .50

Peonies! Peonies! Peonies!

We have the finest lot and best assortment of Fancy Peonies that come to this market. We handle them by the car load.

Our **FESTIVA MAXIMA**, "White," has flowers very double, 6 to 8 inch diameter, stems 3 feet long. Price, **\$8.00 per 100.**

ASSORTED PEONIES, all colors, fine stock, **\$3.00 to \$6.00 per 100.**

Later we shall have the fancy large-flowered variety, **R. R. SUPERBA**, which you must have.

AMERICAN BEAUTY		Per Dozen.	Per 100	
36-inch stems.....		\$8.00	Valley.....	\$2.00 to \$4.00
24 to 30-inch stems.....		2.50	Harrisii.....	10.00 to 12.50
18 to 24 ".....	1.50 to	2.00	Asparagus Sprenger, sprays.....	2.00 to 4.00
12 to 18 ".....		1.00	" Plumosus, string, 50c each	
		Per 100	Fancy Ferns..... per 1000,	\$2.00
Bride and Maid.....	\$4.00 to	6.00	Galax, Bronze, Green, 1000,	\$1.25
Golden Gate.....	4.00 to	6.00	Adiantum.....	1.00
Liberty, Chatenay.....	6.00 to	12.00	Smilax.....	15.00 to 20.00
Carnations.....	1.00 to	2.00	Sweet Peas.....	.50 to 1.00

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

1,000 Dozen PEONIES

In Cold Storage in all colors from **\$4.00 to \$6.00 per 100.**

PETER WEILAND

Successor to Reinberg & Weiland

Room 18, 128 East Third St., CINCINNATI, O.

C. A. KUEHN, Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Pittsburg Florist Exchange WHOLESALE FLORISTS,

228 Diamond St., Pittsburg, Pa.

CONSIGNMENTS SOLICITED.

H.G. BERNING Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

WM. MURPHY, Grower and Commission Dealer in Cut Flowers and Florists' Supplies,

128 East Third St., CINCINNATI, O.

Phones, Main 980. West 1191-R.

The CLEVELAND CUT FLOWER COMPANY,

52-54 High St., CLEVELAND, O.

TELEPHONE CONNECTIONS.

CUT FLOWERS, SUPPLIES and WIRE DESIGNS at Wholesale.

Please mention the American Florist when writing.

PEONIES FOR JUNE WEDDINGS AND COMMENCEMENTS

These are the popular flowers of the season. We can fill all orders with choice stock at \$3.00 to \$4.00 per 100.

Asparagus is scarce but we have plenty of Smilax, \$2.00 per dozen; \$15.00 per 100. Plenty of New Common Ferns.

ALL CUT FLOWERS IN SEASON.

—SEND US 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, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 36-inch stem	\$3.00
24-inch stem	2.50
20-inch stem	2.00
15-inch stem	1.50
12-inch stem	1.00
Short stems, \$1.00 to \$5.00 per 100	
Per 100	
Bride, Maid, Meteor and Gate	\$3.00 to \$ 6.00
Liberty	4.00 to 8.00
Kaiserin	3.00 to 8.00
Carnations	1.00 to 1.50
" large and fancy	2.00 to 3.00
Peonies	per doz., 35c to 50c
Valley	2.00 to 5.00
Poet Narcissus	1.00
Mignonette, per doz	35c to 50c
Sweet Peas	.50 to .75
Forget-me-nots	1.00
Marguerites	.50 to .75
Callas, per doz	\$1.00 to \$1.25
Harrisii, per doz	1.00 to 1.50
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri	3.00 to 6.00
Ferns	per 1000, \$1.50
Galax	per 1000, 1.25
Adiantum	.75 to 1.00
Smilax	per doz., \$2.00
Leucothoe Sprays	1.00

SUBJECT TO CHANGE WITHOUT NOTICE.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

WHOLESALE FLORISTS

CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Frank Garland, Wholesale Grower of CUT FLOWERS.

SPECIAL ATTENTION GIVEN TO HARDY CUT **FERNS.**
Room 218, 51 Wabash Avenue.
Telephone Central 3284. CHICAGO.

A. L. RANDALL CO. Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

MICHAEL Winandy Wholesale Grower and shipper of CUT FLOWERS

Room 218, 51 Wabash Ave., Alias Block, Chicago.
Telephone Central 3284.

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.

It is good business policy to mention

The... **AMERICAN FLORIST**

When you write to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **WHOLESALE GROWER of CUT FLOWERS**
A Specialty.....

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

Chicago, June 24.		
Roses, Beauty, 30 to 36-in. stems	3.00@	4.00
" " 20 to 24	2.00@	2.50
" " 15 to 18	1.50@	2.00
" " 12	1.00@	1.50
" Liberty	4.00@	8.00
" extra select	10.00@	12.00
" Chatenay	4.00@	8.00
" Bride, Bridesmaid	3.00@	6.00
" Meteor, Golden Gate	3.00@	6.00
Carnations	1.00@	1.50
" fancy	2.00@	3.00
Valley	2.00@	5.00
Asparagus Plumosus, per string 25 to 50c		
" sprays	2.00@	6.00
" Sprengeri	3.00@	6.00
Leucothoe Sprays	1.00	
Galax Leaves, Bronze, per 1000	1.25	.15
" Green, " "	1.00	
Adiantum		1.00
Fancy ferns...per 1000	1.50@	2.50
Smilax		15.00@20.00
Callas	1.00@	1.25 per doz.
Harrisii	1.00@	1.50
Sweet peas		.75@ 1.00
Peonies		2.00@ 5.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telegraph and telegraph orders given prompt attention.

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.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers**

All telegraph and telephons orders given prompt attention.

GREENHOUSES: 35-37 Randolph Street.

Warton Grove, Ill. CHICAGO, ILL.

Please mention the American Florist when writing.

WEILAND - AND - RISCH

CHICAGO'S RELIABLE Wholesale Growers and Shippers of **CUT FLOWERS,**

59, Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

PERKIN, ILL.—Geo. A. Kuhl has donated plants for the soldiers' lot in Lakeside cemetery and they were placed this week.

Leo Niessen

WHOLESALE FLORIST,

Store will be open from 7:00 A. M. to 6:00 P. M. on and after June 27.

1217 Arch Street, PHILADELPHIA, PA.

FOR JUNE WEDDINGS and COMMENCEMENTS, VALLEY, BEAUTIES, SWEET PEAS.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION. QUANTITY UNLIMITED. QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

N. F. McCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET, 15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA. THIRD FLOOR. Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr. WHOLESALE FLORIST.

CHOICEST CUT FLOWERS. 43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

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.

Please mention the American Florist when writing.

N. Lecakes & Co.

53 W. 28th St., and 45 W. 29th St., Also at 26th St. and 34th St. Markets

NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES, 75c per 1000; \$6.00 and \$6.50 per case of 10,000.

Princess Pine and all kinds of Evergreens. Telephone 1214 Madison Square.

Please mention the American Florist when writing.

GALVA, ILL.—Albert G. Larson will build extensive additions to his greenhouses this summer. He was in Chicago last week buying building material.

Wholesale Flower Markets

BOSTON, June 22.

Roses, Beauty, extra.....	8.00@15.00
" " " medium.....	5.00@ 6.00
" " " oulls.....	1.00@ 3.00
" " " Bride, Bridesmaid.....	1.00@ 3.00
" " " extra.....	4.00@ 6.00
" " " Liberty.....	2.00@ 6.00
Carnations.....	.50@ .75
" " " Fancy.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Harrisil lilies.....	4.00@ 6.00
Smilax.....	10.00@12.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Peas.....	.25@ .50
Peonies.....	2.00@ 4.00

PHILADELPHIA, June 22.

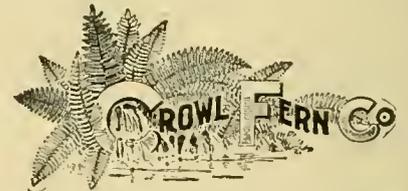
Roses, Tea.....	3.00@ 5.00
" " " extra.....	6.00@ 8.00
" " " Beauty, extra.....	16.00@25.00
" " " firsts.....	6.00@ 8.00
Carnations.....	.100@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Sweet peas.....	.35@ .50
Peonies, cold storage.....	4.00@ 6.00

BUFFALO, June 23.

Roses, Beauty.....	3.00@25.00
" " " Bride, Bridesmaid, Meteor.....	2.00@ 8.00
Carnations.....	.50@ 3.00
Harrisil.....	12.50@15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00
Adiantum.....	.50@ 1.00
Sweet Peas.....	.25@ .75
Peonies.....	1.50@ 4.00

FANCY AND DAGGER FERNS.

75c per 1000. Galax, 75c per 1000; \$6.50 per case 10,000. Southern Smilax, \$6.00 per case 50 lbs. Use our Mountain Laurel for your decorations, 4c, 5c and 6c per yard. Made fresh daily from the woods. Flowering Laurel in its season. Can ship large or small lots, 50c for a nice bunch with lovely pink blossoms. Just what you want for your June decorations.



Tel. Office, New Salem, Mass. Millington, Mass.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration) Write, Wire or Phone the Introducing, CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kaating, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.



Fancy and Dagger Ferns, A No. 1 Quality \$1.00 per 1000.

Very fine Bronze and Green Galax selected stock, \$1.00 per 1000. Laurel Festooning, hand made, good and full, \$5.00 and \$6.00 per 100 yards. Green Moss, \$1.00 bbl. Sphagnum Moss, \$1.00 per bbl.; per bag 50c. Branch Laurel, 50c per bundle. Discount on large orders.

Orders by mail, telegraph or telephone will receive our personal attention.

Henry M. Robinson & Co., 11 PROVINCE ST., L. D. Tel., 2618 Main, Boston, Mass.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

THE AMERICAN FLORIST.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK,
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Telephone 2055 Madison Sq. **Wholesale Florists.**

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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. Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 956 Madison Sq. 116 W. 30th St., New York. Also 46 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 67 W. 26th St. Cut Flower Exchange, New York.

OPEN 6:00 A. M.

An Unequaled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange. New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, JUNE 22.

Roses, Beauty, best.....	8.00@20.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 1.00
" Liberty, best.....	8.00@12.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 1.00
" Bride, Bridesmaid, G. Gate.....	.50@ 5.00
" Kaiserin, Carrot.....	2.00@ 6.00
" Jacq.....	.50@ 1.00
Carnations.....	.25@ 1.00
" fancy and novelties.....	1.00@ 2.00
Lily of the valley.....	1.00@ 2.00
Lilies, Callas.....	3.00@ 6.00
Smilax.....	5.00@10.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignocette.....	.50@ 2.00
Peonies.....	.50@ 2.00
Gardenias.....	5.00@10.00
Stocks.....	.10 per bun.
Sweet peas.....	.01@ .04 per bun.
Mcss Roses.....	.25 per bun.
Gladioli.....	4.00@ 6.00
Feverfew.....	.05 per bun.

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK Tel. 2230 Madison Square.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK. Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS

TELEPHONE 230 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey FLOWERS.

52 W. 28th Street, NEW YORK CITY Telephone 1664 and 1665 Madison Square.

THE NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

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Daily Reports. Weekly Payments. J. A. MILLANG, MANAGER. TELEPHONE 756 Madison Sq.

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CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1861

Alfred H. Langjahr, 55 W. 28th St. New York. Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421 Madison Square.

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INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th. St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. **Cable Address: ALEXCONNELL.**
WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

**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.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,
33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

24 1/2 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, L. Dist. Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DOE ABOUT
New York.....	Liverpool	Lucania	1	Sat. July 2, 9.00 a. m.	July 8
New York.....	"	Umbria	1	Sat. July 9, 10.00 a. m.	July 16
Boston.....	"	Ivornia	1	Tues. July 5, 3.00 p. m.	July 18
New York.....	Glasgow	Numidian	2	Thur. July 7, 11.00 a. m.	July 17
Montreal.....	Liverpool	Tunisian	2	Sat. July 2,	July 11
Montreal.....	"	Pretorian	2	Sat. July 9,	July 18
New York.....	Hamburg	Moltke	3	Thur. June 30, 10.00 a. m.	July 10
New York.....	"	Oeutschland	3	Thur. July 7, Noon.	July 15
New York.....	Copenhagen	Hekla	4	Sat. July 2, 2.00 p. m.	July 12
New York.....	"	United States	4	Wed. July 6, 2.00 p. m.	July 16
New York.....	Glasgow	Furnessia	5	Sat. July 2, Noon.	July 12
New York.....	"	Ethiopia	5	Sat. July 9, Noon.	July 19
New York.....	London	Minnetooka	8	Sat. July 2, 9.00 a. m.	July 12
New York.....	"	Minnehaha	8	Sat. July 9, 2.00 p. m.	July 19
New York.....	Liverpool	Oceanic	7	Wed. June 29, 7.00 a. m.	July 7
New York.....	"	Teutonic	7	Wed. July 8, 10.00 a. m.	July 14
New York.....	"	Celtic	7	Fri. July 8, 1.00 p. m.	July 16
Boston.....	"	Cretic	7	Thur. June 30, 11.00 a. m.	July 8
Boston.....	"	Republic	7	Thur. July 7, 4.30 p. m.	July 15
Boston.....	Genoa	Canopic	7	Sat. July 2, 1.00 p. m.	July 16
New York.....	Southampton	Germanic	8	Sat. July 2, 9.30 a. m.	July 9
New York.....	"	St. Paul	8	Sat. July 9, 9.30 a. m.	July 15
New York.....	Antwerp	Vaderland	9	Sat. July 2, 10.30 a. m.	July 12
New York.....	"	Kronland	9	Sat. July 9, 10.30 a. m.	July 19
New York.....	Havre	La Bretagne	10	Thur. June 30, 10.00 a. m.	July 10
New York.....	"	La Lorraine	10	Thur. July 7, 10.00 a. m.	July 17
New York.....	Rotterdam	Ryndam	11	Tues. June 28, 10.00 a. m.	July 6
New York.....	"	Noordam	11	Tues. July 5, 10.00 a. m.	July 15
New York.....	Genoa	Nord America	12	Tues. June 28,	July 13
New York.....	"	Liguria	12	Tues. July 5,	July 20
New York.....	Bremer	Kronprinz Wilh.	13	Tues. June 28, 6.00 a. m.	July 5
New York.....	"	Bremen	13	Thur. June 30, 11.00 a. m.	July 10
New York.....	"	Grosser Kurfuerst	13	Tues. July 5, 10.00 a. m.	July 15
New York.....	Genoa	Konigin Louise	13	Sat. July 2, 11.00 a. m.	July 15
Boston.....	Liverpool	Cestrian	14	Wed. June 29, 11.00 a. m.	July 9
Boston.....	"	Winifredian	14	Wed. July 8, 4.00 p. m.	July 16
Montreal.....	"	Vancouver	15	Sat. July 9,	July 18

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

**JOHN BREITMEYER'S
SONS**

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs.*
High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

**The Park
Floral Co.**

J. A. VALENTINE, DENVER, COLO.
Pres.

JULY 8th

The Nickel Plate Road will run an excursion to Chautauqua Lake and return at one fare for the round trip, from Chicago with return limit of August 9th, by depositing ticket. Transportation good on any of our three daily trains. Cheap rates to other eastern points. No excess fare charged on any train on Nickel Plate Road. Individual Club Meals ranging in price from 35c to \$1.00; also service a la carte, in Nickel Plate dining-cars. Write John Y. Calahan, General Agent, 113 Adams St., Room 298, Chicago, for particulars. Chicago city ticket offices, 111 Adams St. and Auditorium Annex. Phones Central 2057 and Harrison 2208.

11.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool	New York	Campania	1	Sat. July 2	July 8
Liverpool	"	Etruria	1	Sat. July 9	July 16
Liverpool	Boston	Saxonia	1	Tues. July 5	July 13
Glasgow	New York	Laurentian	2	Sat. July 9	July 19
Liverpool	"	Ionian	2	Thur. June 30	July 10
Liverpool	"	Bavarian	2	Thur. July 7	July 17
Hamburg	"	Columbia	3	Thur. June 30	July 9
Hamburg	"	Graf Waldersee	3	Sat. July 2	July 12
Hamburg	"	Bleucher	3	Thur. July 7	July 17
Copenhagen	"	Heilig Olav	4	Wed. June 29	July 9
Glasgow	"	Astoria	5	Thur. June 30	July 10
Glasgow	"	Columbia	5	Sat. July 9	July 19
London	"	Mionneapolis	6	Sat. July 2	July 12
London	"	Mesaba	6	Sat. July 9	July 19
Liverpool	"	Baltic	7	Wed. June 29	July 7
Liverpool	"	Majestic	7	Wed. July 6	July 13
Liverpool	"	Cedric	7	Fri. July 8	July 16
Liverpool	Boston	Cymric	7	Thur. June 30	July 8
Genoa	"	Romanic	7	Sat. July 9	July 24
Southampton	New York	Philadelphia	8	Wed. July 6	July 13
Antwerp	"	Zeeland	9	Sat. July 2	July 12
Antwerp	"	Finland	9	Sat. July 9	July 19
Havre	"	La Gascogne	10	Sat. July 2	July 12
Havre	"	La Touraine	10	Sat. July 9	July 19
Rotterdam	"	Potsdam	11	Sat. July 2	July 12
Genoa	"	Sicilia	12	Mon. June 27	July 12
Genoa	"	Chitta de Torim	12	Mon. July 4	July 19
Bremen	"	Kaiser Wilhelm II	13	Tues. June 28	July 5
Bremen	"	Barbarossa	13	Sat. July 2	July 12
Bremen	"	K. Wil. Der Grosse	13	Tues. July 5	July 12
Genoa	"	Prinzess Irene	13	Thur. June 30	July 13
Liverpool	Boston	Bohemian	14	Sat. July 2	July 12
Liverpool	"	Canadian	14	Sat. July 9	July 19
Liverpool	Montreal	Dominion	15	Thur. June 30	July 9
Liverpool	"	Camboman	15	Thur. July 7	July 16

* See steamship list on opposite page.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS

And Dealers in FLORISTS' SUPPLIES

All Kinds of

At Chicago Market Rates.

42-44 E. Randolph St., CHICAGO.

Brant & Noe Floral Co.,

CROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

GALAX LEAVES.

Brilliant Bronze or Green. Selected stock, full count, \$1.00 per 1000; \$3.75 per 5000.

Sphagnum Moss, clean picked stock, large bale, \$1.75 each; by freight, \$2.00 each.

All Kinds of Decorative Greens and Florists' Supplies.

Tel. 597 Madison Square. L. J. KRESHOVER, 110-112 W. 27th St., New York.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Lands You at the Gate.

All the most important trains of the WABASH RAILROAD now run into St. Louis by way of World's Fair Grounds, stopping at Wabash World's Fair Station, located at the Main Entrance.

The WABASH is the only line that sells tickets and checks baggage direct to the World's Fair main gate.

Excursion tickets on sale daily. Very low rate coach tickets sold twice a week. Write for full particulars, and a copy of folder containing a map of St. Louis and the Fair Grounds.

F. A. PALMER, Asst. Gen. Pass. Agent, 311 Marquette Building, CHICAGO.

FOURTH OF JULY.

One fare for the round-trip, plus twenty-five cents, July 2nd, 3rd and 4th, within two hundred miles from starting point on Nickel Plate Road. Return limit July 5th. Chicago Depot: La Salle and Van Buren Sts. City Ticket Offices, 114 Adams St. and Auditorium Annex. Telephones Central 2057 and Harrison 2208.

Peonies.

WE HAVE THEM.

Controlling as we do one of the largest crops in the country (over 10,000 dozen) places us in position to meet all competition. All varieties and quantities at \$2.00 to \$5.00 per 100.

LILY of the VALLEY, Fancy Selected.

SWEET PEAS, All Colors.

Asparagus Plumosus, Smilax, Roses, Carnations, Etc.

Headquarters for HARDY FERNS.

A Daily Cut from 40 Growers. "Highest Qualities" as well as "Under Grades" at ruling market quotations. We can and will supply your Cut Flower wants to advantage. We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.

E. F. Winterson. John P. Degnan. L. H. Winterson. Successors to McKellar & Winterson.

45-47-49 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Fancy Roses ...in... Fancy Carnations

PITTSBURG CUT FLOWER COMPANY, Ltd., 504 Liberty Avenue, PITTSBURG, PA.

Please mention the American Florist when writing.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

S. F. Willard, Pres.; J. Chas. McCullough, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.

Twenty-third annual convention, St. Lawrence River, June, 1905.

Congressional Seedsmen.

PUBLIC PAYS SALARIES AND SUPPLIES SEEDS.

If the current custom of indiscriminate distribution shall indefinitely continue, if this congressional comedy shall drift into a continuous performance, we shall ultimately be driven to the mournful admission that we are not statesmen, but seedsmen; and it will be in order for some distinguished seedsmen, some sainted hero of a score of memorable distributions, some legislative knight upon whose shield is blazoned a radish in its glory or a turnip in repose, to arise in his place with becoming gravity and move, Mr. Chairman, that the American eagle be taken from the mace and supplanted by a package of vegetable seed as the supreme emblem of the genius, the character, and the principal occupation of American statesmanship.—*Morris Sheppard, of Texas, in House of Representatives.*

MUCH important seed trade matter will appear in our next issue.

OBITUARY notice of Hugh C. Agnew, of Santa Clara, Cal., will be found on page 887.

LESTER L. MORSE, of Santa Clara, Cal., will sail for a European trip on the S. S. Lucania, July 2.

PHILADELPHIA, PA.—William Henry Maule and family are spending the summer in Europe. They sailed June 1.

VISITED CHICAGO: F. Hubert, of Hubert & Company, L't'd., Guernsey, enroute home from the World's Fair, St. Louis, Mo.

HOMER CITY, PA.—A. F. Cooper retires from the management of the Prairie State Incubator Company July 1. The business will continue as usual.

TUBEROSE growers report a fair stand and stock growing nicely. It is believed, however, that the acreage this season is considerably less than usual and an over stock is not anticipated.

SHENANDOAH, IA.—J. W. Ratekin has just completed a deal whereby he becomes sole owner of the Ratekin Farm and Garden Seed business in this city, including all of the extensive plant.

WE need for our files a copy of the annual report of the American Seed Trade Association for 1890 and anyone having a copy to spare will oblige by communicating with this office and stating particulars.

"WE have received a photograph from a correspondent," says the Gardeners' Chronicle, "showing a hyacinth bulb with nine spikes of flowers. This extraordinary bulb was bought at a (auction) salesroom."

OMAHA, NEB.—The J. C. Robinson Seed Company has filed articles of incorporation with a capital stock of \$10,000. The incorporators are James C. Robinson, Mary T. Robinson, William J. Mack and Louis S. Gould.

BOSTON—R. & J. Farquhar & Company are remodeling their entire establishment. In the new arrangement all mail order business will be transacted on the upper floor, leaving the street store free for the exclusive accommodation of customers and the counter trade.

THE Department of Agriculture has issued a bulletin on the "Vitality and Germination of Seeds," by J. W. T. Duvel, assistant in the seed laboratory, containing much matter of interest and value to seedsmen, who should address the Secretary of Agriculture for copies.

CABBAGES are now in bloom on Long Island. The ravages of the severe cold winter are showing more marked than earlier. Cabbages that seemed sound when set out now prove to have been affected at heart by the severe cold and are decaying. There will be shortages in Express, Etampes, Hollander, Danish Ball Head and Mammoth Rock Red.

CAMBRIDGE, N. Y.—Since spring opened up weather conditions have been unusually favorable, according to the Jerome B. Rice Seed Company, and all the seed crops that firm is growing here in Washington county have been planted



The Late H. C. Agnew.
(See obituary page 887.)

under favorable conditions and are getting a good start and thus far everything looks thrifty and bids fair to amount to something, but we all know that it is yet too early to make any estimate as to what the crops will yield.

New York.

New Yorkers at the St. Louis convention of the American Seed Trade Association include M. H. Duryea, of Henry Nungesser & Company, and C. L. Allen.

A. Forbes, of Peter Henderson & Company, is on his first trip to the Pacific coast and will make an extended tour.

J. Martens, the lily of the valley man, of Hamburg, Germany, started this week upon his western trip.

Winfred Rolker, of August Rolker & Sons, will sail for Europe July 1.

Potatoes.

One of the anomalous and puzzling features of the American agricultural situation is the fact that with more than 10,000,000 of our people at work on nearly 6,000,000 farms, and with all our vast uncultivated areas, the United States is a large importer of common, ordinary vegetables. Every year we buy from abroad beans, dried peas, onions, cabbages and potatoes. Foreign pota-

atoes are now selling at \$1 per bushel.—*New York Sun.*

New White Garden Bean.

C. H. Joosten, the well known New York dealer, advises us that he will distribute next season a limited quantity of a new white garden bean for Van Namen Brothers, of Rotterdam, Holland. It is said this variety is excellent for preserving, and retains its original white color in cans as well as after being cooked. The beans do not show any black spots, and when in bloom the plant is distinct from any other bean and bears pure white flowers.

Canadian Seed Growers Organize.

The Canadian Seed Growers' Association is the name of a new organization formed at Ottawa, Ontario, Canada, June 16. Jas. W. Robertson, of Ottawa, was elected president. The directors include Walter Simpson, of Prince Edward Island; Thos. A. Peters, of Fredericton, N. B.; F. L. Fuller, of Truro, and F. D. Albright of Sussex, N. B. The object of the newly formed association is to encourage the use of the best seeds for farm crops.

Waterloo, Neb.

June 16, 1904.—Although the temperature has been considerably below the normal, and planting of seed stocks has been much delayed by persistent rains, the prospects are very promising for a fine crop. The acreage has been increased all along the line, especially in field corn and cucumber; altogether, the present fine appearance of the crops and the freedom from insects leads us to hope that the existing shortage in stocks will be remedied by a bountiful crop this year.

There has been some complaint of loss in the newly planted vine seed crops, of depredations of mice, and loss caused by their eating the seeds. This seems to be confined to local spots, and will hardly influence the general crop.

GROWER.

Adulterated Seeds.

The act of congress making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1905, contains the following:

The Secretary of Agriculture is hereby directed to obtain in the open market samples of seeds of grass, clover or alfalfa, test the same and if any such seeds are found to be adulterated or misbranded, or any seeds of Canada bluegrass (*Poa compressa*) are obtained under any other name than Canada bluegrass or *Poa compressa* to publish the results of the tests, together with the names of the persons by whom the seeds were offered for sale.

Announcement is hereby made that the collection and testing of seeds as directed by this act will begin July 1, 1904.

JAMES WILSON, Sec'y.

With reference to the foregoing, one of our readers, "A Subscriber," writes: "Can you inform your readers when the government will send out its clerks and hangers-on to test the wines, liquors, beers, etc., and otherwise interfere with other people's business?"

California Seed Crops.

Onion.—Some varieties in some districts are showing blight, but up to the present not really serious. Too early to speak definitely, but with a known shortage of about 300 acres under last year

there is not likely to be any surplus large enough to disturb the market.

Beans.—Owing to unfavorable weather after planting the stand of most varieties is rather poor. Blanks have been replanted and fair average crops may result.

Peas.—Sweet peas will yield average crop. Culinary peas are not in promising condition and short yields are looked for.

Radish.—All varieties are podding freely and early plantings will yield abundantly.

Cucumber.—Early to estimate, but indications are not encouraging.

One of our well informed correspondents writes as follows June 10:

Spinach.—About ready to harvest. Fair crop.

Endive.—All varieties indicate a good yield.

Carrots.—Favorable for heavy yield.

Lettuce.—Very promising.

Celery.—Prospects good.

American Seed Trade Association.

The twenty-second annual convention of the American Seed Trade Association was called to order June 21 at 10:30 a. m., by President Willard. There was a large attendance. Owing to the late arrival of baggage the reports of president, secretary and treasurer were postponed. Proceeding to election of new members, the following were added to the rolls: D. Landreth Seed Company, Bristol, Pa.; W. S. Gilbreath Seed Company, Indianapolis, Ind.; Wm. Henry Maule, Philadelphia, Pa.; Crenshaw Brothers, Tampa, Fla.; W. T. Phillips & Company, Toledo, Ohio; Clucas & Boddington, New York; Henry Fish, Carpinteria, Cal.; St. Louis Seed Company, St. Louis, Mo.

T. W. Taylor, superintendent of horticulture at the World's Fair made an address stating in detail what interest the horticultural department at the World's Fair had for the seedsmen.

President Willard then made his address setting forth the work done for the year and the objects sought by the association. He mentioned how the association was becoming recognized by large business organizations like the National Board of Trade.

The reports of the secretary and treasurer showed a comfortable balance.

The following papers were then read: "Points of Interest for Seedsmen at St. Louis," by H. M. Schisler; "Irrigation in the West and its Possibilities," by George H. Maxwell; "Soil Inoculation or the Inoculation of Legumes to Insure the Formation of Nodules," by George T. Moore, United States Department of Agriculture.

Mr. Schisler announced that although the hotel was beyond the life lines a rescue station had been established in the basement where all needy and weak individuals might obtain aid. The afternoon session was omitted so that the visitors might all have a look over the fair.

WEDNESDAY MORNING.

Reports of the various committees and the following papers were read: "Ideals in Seed Growing," by W. W. Tracy, Sr.; "Trial Grounds and their Necessity to Seedsmen," by E. D. Darlington; "Breeding of Field Corn for Increase in Yield," by Frank H. Funk; "The Middle West as a Seed Producing Section—Varieties Most Profitably Grown," by Mel. L. Webster.

The association was entertained in the

afternoon by the Lewis Publishing Company, publishers of the Woman's Magazine and the Woman's Farm Journal.

THURSDAY.

Various business and committee reports were given attention and the following papers were read: "Difficulties of the Present Contract System," by J. C. Vaughan; "Fire Insurance Expenditure—What a Loss Experience Teaches," by Albert McCullough.

Election of officers and committees then took place, resulting as follows: Chas. N. Page, Des Moines, Ia., president; L. L. May, St. Paul, Minn., first vice-president; W. H. Grenell, Pierrepont Manor, N. Y., second vice-president; C. E. Kendel, Cleveland, Ohio, secretary and treasurer; Frank H. Funk, Bloomington, Ill., assistant secretary. Executive committee: S. F. Willard, Lester Morse, A. H. Goodwin, J. G. Peppard, G. B. McVay. Membership committee: Albert McCullough, Alfred J. Brown, Watson S. Woodruff.

Invitations were received from San Jose, Cal., Augusta, Ga., Cleveland, O., and St. Lawrence River, and an informal ballot showed a preference for the place last named for the next convention. The convention then adjourned and the afternoon was spent at the Anheuser Busch brewery, and at Shaw's Gardens, where an entertainment was furnished by the St. Louis seedsmen.

Those Present.

The following were in attendance, with perhaps a few others whose names could not be secured in time for this issue:

T. Lee Adams, Kansas City, Mo.
C. L. Allen, Floral Park, N. Y.
Linnaeus Allen, C. L. Allan, Floral Park, N. Y.
L. H. Archias, Archias Seed Store Sedalia, Mo.
W. W. Barnard, W. W. Barnard & Co., Chicago.
W. H. Barrett, Adrian, Mich.
A. A. Berry, Clarinda, Ia.
J. C. Bodger, John Bodger & Son, Santa Paula, Cal.
Alfred Borden, C. H. Rowe, Philadelphia, Pa.
Chas. S. Burge, Louisville, Ky.
W. Atlee Burpee, W. Atlee Burpee & Co., Philadelphia, Pa.
N. Burt, N. J. Burt & Co., Burlington, Ia.
D. I. Bushnell, D. I. Bushnell & Co., St. Louis, Mo.
R. W. Clucas, Clucas & Boddington, New York.
Frank M. Copeland, Joseph Breck & Son Corporation, Boston, Mass.
Arthur Cowee, Berlin, N. Y.
Adam Currie, Currie Brothers, Milwaukee, Wis.
G. N. Davis, Albert Dickinson Co., Chicago.
H. Dickinson, E. L. Bragg Co., Springfield, Mass.
B. W. Dulaney, J. Charles McCullough, Cincinnati, O.
Marshall H. Duryea, Henry Nungesser & Co., New York.
Henry Fish, Carpinteria, Cal.
W. T. Fonda, Mandeville & King Co., Rochester, N. Y.
J. H. Ford, Ford Seed Company, Ravenna, O.
E. D. Funk, Funk Brothers' Seed Co., Bloomington, Ill.
F. H. Funk, Funk Brothers Seed Co., Bloomington, Ill.
L. I. Funk, Funk Brothers' Seed Co., Bloomington, Ill.
W. S. Gilbreath, Wm. S. Gilbreath Seed Co., Indianapolis, Ind.
A. H. Goodwin, The Goodwin, Harries Co., Chicago.
George S. Green, Illinois Seed Co., Chicago.
W. H. Grenell, Pierrepont Manor, N. Y.
Knud Gunderstrop, Chicago.
Charles C. Heckle, Otto Schwill & Co., Memphis, Tenn.
Frank Hermann, Terre Haute, Ind.
Peter Hollenbach, Chicago.
H. T. Hopkins, John H. Allan Seed Co., Sheboygan, Wis.
John L. Hunt, Jerome B. Rice Seed Co., Cambridge, N. Y.
C. C. Jacob, T. W. Wood & Sons, Richmond, Va.
Herbert W. Johnson, Johnson & Stokes, Philadelphia, Pa.
C. E. Kendel, A. C. Kendel, Cleveland, O.
C. N. Keeney, N. B. Keeney & Son, Le Roy, N. Y.
Fred. B. King, Mandeville & King Co., Rochester, N. Y.
A. Kirsh, Germany.

Theodore Koss, Milwaukee, Wis.
Wm. Kueker, Farmer Seed Co., Faribault, Minn.
Captain Landreth, D. Landreth Seed Co., Bristol, Pa.
S. F. Leonard, Leonard Seed Co., Chicago.
Herbert A. Lonsdale, Young & Halstead, Troy, N. Y.
L. L. May, L. L. May & Co., St. Paul, Minn.
Albert McCullough, J. M. McCullough's Sons, Cincinnati, O.
George McCullough, J. Charles McCullough, Cincinnati, O.
G. B. McVay, Amzi Godden Co., Birmingham, Ala.
S. D. Miter, Sleepy Eye, Minn.
George T. Murre, Department of Agriculture, Washington, D. C.
L. L. Morse, C. C. Morse & Co., Santa Clara, Cal.
J. E. Northrup, Northrup, King & Co., Minneapolis, Minn.
L. L. Olds, L. L. Olds & Co., Clinton, Wis.
Chas. N. Page, Iowa Seed Co., Des Moines, Ia.
E. L. Page, The Page Seed Co., Greene, N. Y.
E. M. Parmelee, John H. Allan Seed Co., Sheboygan, Wis.
George H. Parvin, J. M. McCullough's Sons, Cincinnati, O.
Frank S. Platt, Frank S. Platt Co., New Haven, Conn.
R. W. Pommer, D. I. Bushnell & Co., St. Louis, Mo.
Charles E. Prunty, St. Louis, Mo.
S. J. Ries, The Goodwin, Harries Co., Chicago.
J. S. Reynolds, Kansas City, Mo.
E. R. Riethmiller, S. M. Isbell & Co., Jackson, Mich.
J. C. Robinson, Waterloo, Neb.
Alex. Rogers, Chicago.
A. L. Rogers, Rogers Bros., Chaumont, N. Y.
Chas. H. Rowe, Philadelphia, Pa.
Alfred Schaefer, Wm. G. Scarlett & Co., Baltimore, Md.
H. M. Schisler, Schisler-Cornell Seed Co., St. Louis, Mo.
Otto Schwill, Jr., Otto Schwill & Co., Memphis-Tenn.
F. J. Sheap, S. M. Isbell & Co., Jackson, Mich.
Thomas Shelton, Southwestern Seed Co., Fayetteville, Ark.
J. E. Sloan, D. L. Sloan Co., Palo Alto, Cal.
H. A. Steckler, J. Steckler Seed Co., New Orleans, La.
R. P. Steckler, J. Steckler Seed Co., New Orleans, La.
Walter E. Stone, Churchill & Co., Toledo, O.
M. B. Templin, L. Templin & Sons, Calla O.
M. Teweles, Milwaukee, Wis.
Will W. Tracy, Sr., Washington, D. C.
Leonard H. Vaughn, Vaughan's Seed Store, Chicago.
Mel. L. Webster, Independence, Ia.
J. W. Wey, T. W. Wood & Sons, Richmond, Va.
Oscar H. Will, Oscar H. Will & Co., Bismarck, N. D.
S. F. Willard, Comstock, Ferre & Co., Wethersfield, Conn.
H. G. Windheim, Nebraska Seed Co., Omaha, Neb.
C. F. Wood, Wood, Stubbs & Co., Louisville, Ky.
R. W. Wood, T. W. Wood & Sons, Richmond, Va.
Watsen S. Woodruff, S. D. Woodruff & Son Orange, Conn.
Josiah L. Young, Young & Halstead, Troy, N. Y.

LADIES.

The visiting ladies present included Mesdames T. Lee Adams, L. H. Archias, A. A. Berry, Chas. S. Burge, W. Atlee Burpee, N. S. Burt, Peter Hollenbach, John L. Hunt, Johnson, C. E. Kendel, Theo. Koss, Wm. Kueker, L. L. May, Lester Morse, L. L. Olds, J. S. Reynolds, J. C. Robinson, A. L. Rogers, S. F. Willard, H. G. Windheim, Watson Woodruff, and the Misses Green, Annie McVay, Frances Fish, Ella McCullough, Ethel McCullough, Clara Kueker, Elsie Kueker, Irma Kueker, Burt, Keeney, Prentice, Ethel Johnson and Clarie Johnson.

WEST MOORESTOWN, N. J.—Harold Otter has purchased the greenhouses, residence and real estate formerly owned by C. G. Papsch, and will transfer his stock of plants, etc., from his Jones avenue houses to the new place.

KENOSHA, Wis.—H. D. Kamp, proprietor of the Kenosha greenhouses and Nursery has leased his greenhouses to C. G. Anderson, who will conduct a general florist business under the name of Kenosha Greenhouses. Mr. Kamp purchased the establishment two years ago from Lewis Turner.

See pages 900 and 901 for seed trade advertisements.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

N. W. Hale, Knoxville, Tenn., Pres.; Frank A. Weber, St. Louis, Mo., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden Springs, Ind., June, 1905.

A Welcoming Song.

[The following, by Frank L. Stanton, the poet of the south, was written for an Atlanta souvenir of the visit of the American Association of Nurserymen.]

I.

God gave us in infinite hours,
The gardens—the great and supreme,
The lesson that comes in the flowers
Where He made all the lilies a dream!

II.

You men, who come here with the knowing
Of fruits, where life's labor is done,
You know where the ripe peach is showing
Its rosy, red side to the sun!

III.

We welcome you—greater than others
In the ways of the world, for 'tis said,
Great men had the sweetest of mothers,
And no gardens they tended are dead!

IV.

Take hands with the grace of Atlanta,
With the light and the love of her sod,
Behold here her splendid decanter—
The grapes and the lilies of God!

American Association of Nurserymen.

The twenty-ninth annual meeting of the American Association of Nurserymen convened in the convention room of the Piedmont hotel, Atlanta, Ga., at 10 a. m., June 22. In the absence of the president, N. W. Hale, who is in attendance on the republican convention at Chicago, and also the absence of Vice-President F. A. Weber, who was to preside but fell ill suddenly, Former President C. L. Watrous occupied the chair. Hon. Evan P. Howell, mayor of Atlanta, welcomed the society to the Gate City of the south in a very happy and courteous manner, saying that he believed the nurserymen's convention to be of more benefit to this state and section than any other convention that had been held here since he became mayor of Atlanta. He mentioned the fact that Georgia is the natural fruit land of the United States and that there is plenty of land here suited for the growing of fruit and for other kindred pursuits that could be bought cheap, and asked that the nurserymen lend their valuable aid in helping to develop the growing of fruit in this state.

E. W. Kirkpatrick, of Texas, responded to the address of welcome, thanking the mayor and city of Atlanta for their hearty and hospitable greeting.

The president's annual address was next read by Mr. Morton. The president regretted his inability to be present, especially as the association had come to the south so far from the majority of the members' homes. He stated that he desired to join with the people of Georgia in extending a hearty welcome to the sunny south. He spoke of the need of more uniform and exhaustive laws regulating the inspection of nursery stock in the United States. Also of the importance of inducing the railroads to give uniform freight rates and classification on nursery stock, and of the necessity of rapidity and dispatch in handling ship-

ments, doing away with unreasonable delays in transit. He also suggested that the legislative committee should take up the matter of licenses in the different states trying to abolish the prohibitive licenses, such as we now have in West Virginia. He recommended that the membership fee should be increased from \$2 to \$4 in order that the treasury should be able to more easily meet the demands thereon as the work and expense are increasing. He also suggested that a book for eulogies on departed members should be instituted. He desired to thank Messrs. Seager, McFarland, Pitkin, Watrous and others for their great interest in the association work and closed by recommending that the next annual meeting be held in Portland, Ore.

Next the reports of the secretary and treasurer were read and referred to the auditing committee. The treasurer's report shows a balance on hand June 15, 1904, of \$2,842.09.

J. H. McFarland then followed, saying that owing to several unavoidable occurrences the programme would not be followed as printed. He read a letter from Luther Burbank saying that it would be impossible for him to leave some very important work, the success of which depended on his presence at home, to present such new and interesting horticultural products as have crowned his experiments with reward. Prof. Marlatt, of the Department of Agriculture, who was to have read a paper on the "Natural Enemies of the San Jose Scale," is ill in Washington, but fortunately Wilmon Newell, state entomologist of Georgia, has kindly come to our aid by accepting this number on the programme.

R. C. Berckmans next stated that through the courtesy of the Georgia Railroad and the Central of Georgia Ry. Co. he was enabled to extend to the association an invitation to visit the peach growing section of Georgia. The programme for the trip being to leave Atlanta Friday at 7:55 a. m., via the Georgia railroad arriving at the Berckmans brothers' orchards, at Mayfield, Ga., at about 12 m., partaking of a Georgia barbecue at 2 p. m., then taking up the afternoon trip to Macon, spending Friday night at Macon, and leaving Saturday a. m., at 7 o'clock for the Hale, Rumph and Albaugh orchards at Fort Valley and Marshallville, returning to Atlanta Saturday afternoon.

Mr. Cooper, secretary of the Greater Georgia Association, next extended an invitation to the association to partake of a barbecue at Cold Springs, about six miles from Atlanta on the electric car line.

Mr. Watrous responded to these invitations with thanks.

Mr. Albertson, of Indiana, chairman of committee on insurance for nurserymen, presented his committee's report.

The auditing committee was then appointed as follows: Messrs. Brown of New York, Chatham of Tennessee and Henry of New York.

Mr. MacDonald, of Oregon, then extended an invitation to hold the next annual meeting in Portland, Ore., presenting invitations from Pacific Coast Nurserymen's Association, the mayor of Portland and others.

Prof. Craig then spoke on the influence of the nurseryman on civic improvement in the city and country outdoors, cautioning the nurseryman to grow and sell only the long-lived and more valuable varieties of shade trees.

Committee on exhibits was next named

as follows: Messrs. John Craig, Thos. B. Meehan and Peter Youngers.

J. Horace McFarland then spoke very interestingly on the "Relation of the Nurseryman to Civic Improvement," and the meeting was adjourned at 1:30 p. m.

WEDNESDAY AFTERNOON.

The meeting was called to order by Mr. Watrous.

The following gentlemen were nominated vice-presidents for their respective states:

Alabama—John Frazier.
Arkansas—George W. Scuggs.
Colorado—George J. Spear.
California—Charles Howard.
Connecticut—Ed Hoyt.
Delaware—D. S. Collins.
Georgia—R. C. Berckmans.
Illinois—I. E. Spaulding.
Indiana—W. C. Reed.
Iowa—Sam Lorton.
Kansas—E. D. Bernardia.
Kentucky—F. N. Downer.
Indian Territory—J. A. Taylor.
Maryland—Charles M. Peters.
Massachusetts—Harlan P. Kelsey.
Michigan—Charles A. Ilgenritz.
Minnesota—E. A. Smith.
Missouri—W. P. Stark.
Nebraska—George Marshall.
New Hampshire—John C. Chase.
New Jersey—Hiram T. Jones.
New York—Theo. J. Smith.
North Carolina—J. Vao Lindley.
Ohio—S. R. Ferguson.
Oregon—M. N. McDonald.
Oklahoma—J. A. Lopen.
Pennsylvania—Earl Peters.
Tennessee—C. O. Fowler.
Texas—John F. Sneed.
Utah—John Watson.
Virginia—W. T. Hood.
Wisconsin—T. J. Ferguson.
South Dakota—G. H. Whitting.

Mr. Watrous, chairman of committee on legislation, read his report, outlining what had been accomplished by this committee since last meeting.

Mr. Albertson, chairman of committee on transportation, presented his report, which was discussed by John S. Kerr, Mr. Albaugh of Ohio, Mr. Irvine of Missouri and J. H. Hale.

A very entertaining paper, entitled the "Nursery Conditions in Georgia," was next read by C. P. Smith.

John C. Chase closed the afternoon session with his paper: "The Nurserymen's Label."

A meeting of Protective Association was held immediately after adjournment of above session.

WEDNESDAY EVENING.

At 8:30 p. m. the following entertaining lectures were given: "American Plants for American Nurserymen," by H. P. Kelsey; "Natural Enemy of the San Jose Scale," by Wilmon Newell; "Spraying on a Large Scale," by J. H. Hale. All were illustrated with lantern slides.

THURSDAY.

Thursday's morning session was called to order at 9:30 and immediately thereafter Harlan P. Kelsey read the reports of the state vice-presidents.

The matter of recommending the next place of meeting was then taken up. It developed into a spirited contest. On a ballot by the committee having the recommendation in charge Chicago was recommended against Portland, Ore., and West Baden Springs, Ind. A motion to substitute Portland, Ore., in place of Chicago was lost, and on motion of Mr. Albertson, of Albertson & Hobbs, of Bridgeport, Ind., the recommendation finally was passed for West Baden Springs, Ind.

The election of officers followed. E. W. Kirkpatrick, of McKinney, Texas, was named for president; C. L. Watrous, Des Moines, Ia., for vice-president; George C. Seager, Rochester, N. Y., for treasurer,

and C. L. Yates, of Rochester, N. Y., for secretary. Their election followed.

A vote of thanks was then extended to the governor of Oregon, mayor of Portland and the associations of the Pacific coast for their cordial invitation.

Hiram T. Jones, of Elizabeth, N. J., then read a paper on the "Importing of Foreign Nursery Stock," mentioning the danger of infestation from imported stock. Also the matter of exorbitant customs and duties. This was followed with discussions by Thomas B. Meehan, Andre L. Causse, H. S. Chase and James McHutchison.

R. J. Redding, director of the Georgia experiment station, next presented an invitation to visit the experiment farm of Georgia.

G. L. Taber, of Glen St. Mary, Ga., after some humorous remarks, read an exhaustive treatise on "The Trials of the Citrus Nurseryman."

Mr. Brown, chairman of committee on address of president, next reported.

Then followed the address of the incoming president. He thanked the members for the signal honor bestowed upon him, and asked that each and every member join in aiding him in all undertakings launched by the association, emphasizing the fact that nothing could be accomplished to the best advantage unless all united in their strongest efforts.

Mr. Smith, of Georgia, extended an invitation to all nurserymen to attend the meeting of the Southern Nurserymen at Asheville, N. C., in August. Following came the report of the committee on final resolutions, in which the state of Georgia, city of Atlanta and southern nurserymen and fruit growers were thanked for their uncommon zeal in entertaining the association and their cordial welcome. It was also resolved that the association express its sorrow occasioned by the recent death of Z. K. Jewett, of Sparta, Wis.

Mr. Watrous introduced to the convention J. K. Orr, president of the Greater Georgia Association, who in turn introduced Mr. Sargent, chief of the Department of Immigration. Mr. Sargent addressed the association on the subject of his work and its relation to the various interests and humanity. The convention was then adjourned. Immediately afterward the nurserymen and members of the Georgia state legislature were escorted by the Greater Georgia Association to a real Georgia barbecue, thus closing one of the most successful conventions of the association in a most enjoyable affair.

Those Present.

Those present or represented included the following:

R. George, J. H. Dayton, D. H. Henry, Peters & Skinner, W. M. Peters Sons, Younger & Company, W. E. Galeener & Sons, F. B. Thacker, J. H. Smith, C. T. Smith, F. M. Smith, F. A. Weber, F. M. Grizzard, John S. Kerr, H. & J. Galhouse, W. H. Hartman, Guy A. Bryant, J. M. Good, S. W. Crowell, C. A. Bennett, Washington Nursery Company, John A. Young, E. W. Pinson, W. T. Hood, G. M. Bacon Pecan Company, W. L. Hillhouse, Harlan P. Kelsey, The Greening Brothers Nursery Company, S. Dougherty, John Fraser, W. H. Wyman, F. N. Downer, R. G. Le Fevre, Rev. M. Otis, T. S. Hubbard Company, A. L. Caussee, M. B. Fox, Thomas B. Meehan, J. Horace McFarland, Hiram T. Jones, E. Albertson, Aug. Rolker & Sons, John C. Chase, Aug. Rhotert, Herman Berkhan, J. McHutchinson, N. M. Van der Bom, Ellwanger & Barry, Chico Nursery Company, C. L. Yates, Ralph T. Olcott, O. M. Preston, K. Morton, Mgr. Marshall Brothers, M. Barnes & Company, J. C. Hale, Oregon Nursery Company, J. A. Lopeman, G. W. Sheldon & Company, Country Life in America, M. B. Talley, George Winter, John Peters & Company, P. J. Berkmans Company, W. H. Kessler, J. H. Wallace, Jackson & Perkins Company, J. A. Robbins,

James Cureton, I. D. Hudgins, W. G. Campbell, The Peach Grower, J. W. Knox, Dr. A. R. Danforth, George H. Whiting, The Hook-Hardi Company, Wilmon Newell, J. S. Carroll, G. C. Roberts, G. W. Katzenstein, John Craig, George C. Chandler, A. D. Williams, C. H. Hartley, B. Thornton, W. B. Thomas, W. W. Twitty, C. F. Ilgenfritz, Will Ilgenfritz, C. L. Watrous, W. J. Peters, F. D. Green, Gilbert Costich, Harry Nicholson, Pebble Hill Nurseries, Bruce Howell, John F. Sood, J. H. H. Boyd, I. N. Price & Company, Gravelly Nursery Company, C. H. Peck, Fletcher & Harrison, Wm. H. Moon, Loneoke County Nurseries, J. R. Murphy, Ernest B. Hillenmeyer, C. D. Wenger, W. C. Reed, J. Van Lindley, J. A. Taylor, G. L. Taber, E. S. Welch, C. R. Burr & Company, H. M. Simpson & Son, C. C. Mayhew, E. W. Kirkpatrick, Huntsville Wholesale Nurseries, W. F. Helkes, J. R. H. Hilton, Frank B. White, The Conard & Jones Company, David Baird & Son, Dayton Fruit Tree Label Company, Alabama Nursery Company, Irving E. Spaulding, C. C. Abel & Company, Hugh Morton, Howard Davis, J. W. Gaines, G. H. Miller, P. A. Piocoff, C. O. Fowler, E. W. Chattin, C. H. Jooste, John M. Good, E. Runyan, W. R. S'ark, Norris N. Smith, A. W. Newson, A. A. Newsou.

The Alleged Seedless Apple.

We have received the following from M. Ballard Dunn with reference to the new seedless apple which has been extensively exploited in the general press during the past few months. Mr. Dunn is officiating as general press agent for John F. Spencer, of Grand Junction, Col., by whom it is claimed the seedless apple was developed. Some of Mr. Dunn's statements are quite surprising to fruit growers and many will look forward to seeing the apples and trees with more than usual interest:

"The new seedless apple, developed by John F. Spencer, of Grand Junction, Colo., bids fair to be of greater importance than was the seedless orange for the reason that the apple interests are larger than the orange interests and the market for both apples and apple trees is larger. When it is known that seedless apple nurseries have been established in Utah, Idaho, California, Missouri, Michigan, New York, New Jersey, Delaware, Pennsylvania and Canada, in addition to the home nursery in Colorado, all within a few weeks, the rapidity with which the new apple is being taken up can be appreciated.

"The new apple has many features that make it of special advantage. The very absence of seed makes the apple wormless, it being a known fact that the apple worm lives off the seed. The trees also are blossomless. Late frosts leave the seedless apples still bearing, although the ordinary apple trees, growing along-

side them may be barren. This has been proven in Mr. Spencer's orchard at Grand Junction. The tree has a hard, smooth bark and is not nearly so likely to be injured by insects as the ordinary tree, both for this reason and on account of the lack of blossoms.

"Mr. Spencer is an old fruit raiser, and during his labors and experiments, extending over a dozen years, he never breathed his purpose to anyone, and for months after success had crowned his efforts he said nothing about it, and his secret was learned only by accident. In his orchard at Grand Junction he has two thousand trees."

Diseased Linden Leaves.

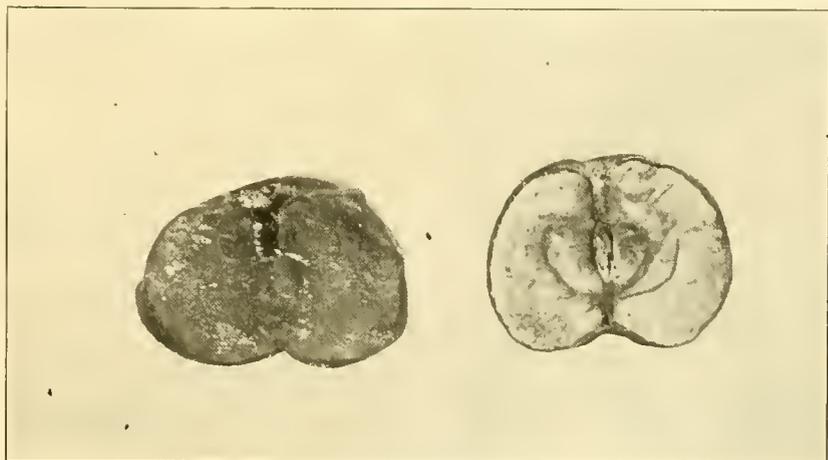
ED. AM. FLORIST:—I send you by express a package of diseased linden leaves and twigs. The swellings get larger, finally turn brown and little insects emerge from them. If you can give me any information about the trouble, what it is, and how to combat it, you will do me a great favor. A.

The linden leaves which you send are not diseased but are covered with swellings termed galls, from which insects emerge, as you state. The insect which produces these is known scientifically as *Cecidomyia (tiliae) verrucicola* O. S., but we have not had much experience with it and do not know of any remedy. It is not probable that there is any easy remedy beyond cutting away the leaves where possible, as soon as they are discovered, and promptly burning them, so that the contained insect will not escape. Tolerably high leaves can be reached by the use of a step-ladder, and what is termed a 12-foot pruning knife.

L. O. HOWARD.

BERBERIS THUNBERGH raised from seed, as is the universal practice, varies considerably in strength, habit, size of leaf and other characteristics. Now that it is taking place as a standard hedge plant it might be well for the nurseryman to select one plant of most desirable character and propagate from cuttings for special hedge planting. This would cost a little more but the stock would be worth more.

See page 902 for nursery advertisements.



ALLEGED SEEDLESS APPLE.

(Seedless apple to left, ordinary apple to right. The seedless apple had been in a pickling jar six months before the picture was taken.)

ZIRNGIEBEL Giant Pansies

Market and Fancy Strains

Are the finest grades again that we ever sent out. As a grower, I know every strain of note in cultivation, and we can recommend our Pansies as unrivaled.

New Crop Seed now ready in Trade Packages of either strain at ONE DOLLAR each.

DENYS ZIRNGIEBEL,
NEEDHAM, MASS.

Please mention the American Florist when writing.

PANSY SEED.

Brown's Extra Select Superb Giant Prize Pansy Seed. My own growing, new 1904 crop, mixed, price:

3,000 seeds.....	\$1.00
¼ oz.....	\$1.50
½ oz.....	\$2.50
1 oz.....	5.00
¼ lb.....	14.00
½ lb.....	25.00
1 lb.....	50.00

Cash with order. Plants ready September 1.

PETER BROWN, Lancaster, Pa.
Pansy Seed Grower.

Please mention the American Florist when writing.

Turnips and Rutabagas

are practically a failure on this side, therefore buy early. Send to us for prices, also for crop '05.

W. W. Johnson & Son,
—LTD.—

BOSTON, ENGLAND.

Please mention the American Florist when writing.

PANSY SEED.

GROWN OF THE FINEST PANSIES.

The Jennings Strain of finest American grown Pansy Seed now ready. Better than ever. Large flowering, finest colors, in great variety.

Pkt., 3,000 seeds.....	\$ 1.00
¼-oz.....	2.50
1 oz.....	5.00
2 ozs.....	9.00
3 ozs.....	12.00

Separate colors in Blue, White and Yellow. Plants in Sept., \$4.00 per 1000. Cash with order.

E. B. JENNINGS, Lock Box 254, SOUTHPORT, CONN.
Please mention the American Florist when writing.



H. Wrede,
LUNEBURG, GERMANY
PANSY SEED.

160 First Prizes, the highest awards Chicago, Hamburg '97, Paris 1900. 1000 Seeds, finest mixed, 25c. 1 oz. \$2.25

Price List on application. Cash with order. Please mention the American Florist when writing.

Our Seeds awarded the 'GOLD MEDAL' at the Pan-American Exposition, Buffalo, 1901.



ESTABLISHED 1840.

Wholesale Price List of
Garden, Flower, Agricultural, Grass, Herb Seeds, Plants and Bulbs
FOR 1904-5.
To Dealers Only.

CROSMAN BROTHERS, ROCHESTER, N. Y.

GROWERS, IMPORTERS AND DEALERS.

WHOLESALE, OFFICE AND SEED HOUSE, 503 MONROE AVENUE.
RETAIL, SEED AND PLANT STORE, 275 MAIN STREET EAST.
GREENHOUSES AND TRIAL GROUNDS, LABURNUM CRESCENT.

Novelty GARDEN BEANS Novelty

WHITE-FLOWERING & GARDEN & BEANS

Which remain entirely white after being conserved. Above named highly valued novelty, which finds already its consumption on aristocratic boards we offer to the American Seed Trade and Conserving Industry. For prices on Contract orders apply to Mr. C. H. Joosten, 201 West St., New York.

SAMPLE OF THE BEAN WILL BE MAILED TO THOSE INTERESTED.

VAN NAMEN BROTHERS, Seedsmen,
ZWYNDRECHT near ROTTERDAM, HOLLAND.

C. W. McKellar

51 Wabash Ave., CHICAGO.



Orchids

	Per doz.
Cattleyas.....	\$6.00
Dendrobiums..	\$2.00 to 4.00
	Per box
Ass'd Orchids...	\$5.00 to \$25.00

Sixteen years' experience on the Chicago Market in handling Cut Flowers. A larger variety now than ever. Try me.

L. D. Phone Central 3598.

EVERYTHING IN SUITABLE FLOWERS AND SUPPLIES FOR JUNE WEDDINGS AND SCHOOL CLOSINGS.

Phone or telegraph your rush orders if you want prompt service and the best stock that is.

Successful Growers are Wanted

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



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. It contains some of the Giant sorts, some Fern-leaved, some blue; also some with dark leaves and stems. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone.

Price for (Packet of 350 seeds) \$.50
 International: 5 packets, 1750 seeds 2.00
 Mixture: / Per 1-16 oz. 2.50

CHINESE PRIMULAS WITH FRINGED FOLIAGE.

PRIMULA SINENSIS FIMBRIATA.		250 seeds	1000 seeds
Alba, pure white.....	50c	\$1.50	
Chswick Red, bright red.....	50c	1.75	
Kermesina Splendens, crimson	50c	1.75	
Atrosanguinea, brightest deep red.....	50c	1.70	
Alba Magnifica, snow white, of excellent form and habit.....	50c	1.70	
Peachblossom, beautiful white with pink hue.....	50c	1.70	
Blue, a clear sky blue.....	50c	1.70	
New Upright Deep Velvety Red	50c	1.75	
Rosea, a bright pink.....	35c		
Mont Blanc, new, large, pure milk-white flowers.....	50c		
Striata, white and lilac striped.....	35c		
Primula, mixed, a splendid variety.....	1/8 oz., \$3 00	25c	1.25

NEW PRIMULA BUTTERCUP, 1000 seeds, \$1.00.

Sow now for Christmas trade. Write for sheet describing plant, mailed free for the asking.

Vaughan's Seeds for Summer Sowing

Calceolaria Hybrida.

Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties, and we know it will give entire satisfaction. Trade pkt., 1000 seeds, 50c.

Gloxinia Hybrida.

VAUGHAN'S MIXTURE.

This mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and includes such new sorts as Emperor William and Frederick, Princess Louise, Defiance, etc., and we know that better seed is not to be had at any price. Trade pkt., (1000 seeds) 50c; 3 pkts. for \$1.25.

VAUGHAN'S GIANT-FLOWERED CYCLAMEN.



CINERARIA HYBRIDA.

VAUGHAN'S COLUMBIAN CINERARIA.

Like our International Pansy Mixture, this strain has given unusual satisfaction. It consists of a mixture made up by ourselves of the choicest English, French and German strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt., (1,000 seeds) 50c; 3 pkts., \$1.25.

New large flowering Cineraria, "Old Rose"..... Trade Pkt. 50c
 Cineraria Hybrida, fine large flowering mixed, 500 seeds..... 25c
 Hybrida Crandiflora Nana, best mixed dwarf..... 25c
 Hybrida Plenissima, extra choice mixed, double..... 50c

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

This is a vast improvement on the widely advertised "Papilio" or Butterfly Cyclamen. The edges of the petals are frilled, fringed and curled and the colors range from the purest white through delicate pink, to rose and crimson. It is the best there is in Cyclamen to date.

No. C 100. Lilac Colored.....	10 seeds, 30c;	100 seeds, \$2.50
No. C 101. Dark Red, fringed.....	Each	10 seeds, 25c.
No. C 102. Pink, fringed.....	25 seeds, 50c.	100 seeds, \$1.75.
No. C 103. Pure White.....	25 seeds, 40c;	100 seeds, \$1.50.
No. C 105. White, with Red Eye.....		
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Vorhees & Son, of Logan, O., have the finest lot of carnations in the field to be found in this section. They propagate early in the season and have their plants well established in 3-inch pots before planting. While this is unusual it pays to judge by the looks of the fine stock they produce.

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Davy & Son have left the greenhouses on West Broad street, where they had been growing stock for the last five years. They are looking for a more desirable place.

Not enough bedding stock remained in this city after the spring rush to fill a good sized hanging basket.

Carnations are making a fine growth. We are having cool weather and plenty of rain. **CARL.**

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NAARDEN and BOSKOOP, HOLLAND,
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Ask for price list and let us estimate on your list of wants. Address till June 1st. **JACS. SMITS,**
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The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

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Are the result of many years'

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And have been used by Gardeners all over the world for over a

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Are perfect plant foods and stimulants. Are becoming more popular every year.

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Chatenay

Very fine 3-inch, \$50.00 per 1000.

Beauty

2 1-2-inch, \$40.00 per 1000.

Bride

2-inch, \$20.00 per 1000.

Bridesmaid

2-inch, \$20.00 per 1000.

BENCH PLANTS, 1 and 2 year-old.

BEAUTY, \$30.00 per 1000.

BRIDE and **BRIDESMAID**, grafted 2-year-old plants, \$30.00 per 1000.

All plants shipped from our Greenhouses at Hinsdale, Ill.

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AMERICAN BEAUTY, 2-inch.....\$2.00 per 100
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BRIDE, 3-inch 4.00 per 100

BRIDESMAID, 3-inch.....\$4.00 per 100
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We guarantee stock to be in extra fine condition. Free from mildew or other diseases. Write for prices on large quantities.

Plants Shipped Direct
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Grafted Roses.

Bride, Bridesmaid, Golden Gate, Kaiserin, Wootton, 4-inch, \$20.00 per 100; 2-inch, \$15.00 per 100; \$120.00 per 1000. Own roots, 2-inch, \$80.00 per 1000.

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Yes, we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a

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Strong Stock from 2½-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

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LIBERTY.....	5.00	40.00
MAID.....	2.50	20.00
BRIDE.....	2.50	20.00
PERLE.....	2.50	20.00
GOLDEN GATE.....	2.50	20.00
IVORY.....	2.50	20.00
AMERICAN BEAUTY, 3-inch.....	6.00	50.00

2-year Old Plants from Benches.

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AMERICAN BEAUTY.....	\$6.00	\$50.00

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Plants from 2½-in. pots, clean and healthy, \$5 per 100; \$45 per 1000.

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Roses. Extra Fine.

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All kinds of Teas. Just what you want. Brides, Maids, Perles, Kaiserins, Woottons, Belle Siebrecht, Ivory, Golden Gates, Liberties, Beauties, Carnots and a few Meteors. Stock A1. Prices right. Send right along to

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Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

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Price to clean out, \$20.00 per 1000. This is a cheap price, but not cheap stock, being first-class in every respect.

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BRIDE and BRIDESMAID

3½-in. pots, ready to plant.
Must be sold at once.

Per hundred, \$4.50
Per thousand, \$40.00
CASH WITH ORDER.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID.....	\$2.50	\$20.00
BRIDE.....	2.50	20.00
GOLDEN GATE.....	2.50	20.00
IVORY.....	2.50	20.00
LIBERTY.....	5.00	45.00

In 3-inch Pots.

BRIDESMAID.....	\$4.00	\$35.00
BRIDE.....	4.00	35.00
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2-year-old AMERICAN BEAUTY PLANTS from benches, \$3.00 per 100; \$25.00 per 1000.

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New Roses!

H. T. AND FORCING ROSES.

Oberhofgartner Singer, carmine, 50c.
Dr. Troendlin, (White Testout) 50c.
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And all BEST European Novelties.

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1,000 Bridesmaid Roses

2½-inch pots at \$20.00.

1,000 BRIDESMAIDS, 3-inch, \$22.00.

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QUEEN OF EDGELY, 2¼-inch, per 100, \$8.00; per 1000, \$55.00. 3-inch, per 100, \$8.00; per 1000, \$75.00.

OLD STOCK, per 100.....\$6.00

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ROSE PLANTS.

In 2¼-inch pots.

	Per 100	1000
Bride.....	\$3.00	\$25.00
Bridesmaid.....	3.00	25.00
Ivory.....	3.00	25.00
Golden Gate.....	3.00	25.00

In 2¼-inch pots.

	Per 100	1000
Meteor.....	3.00	25.00
Kaiserin.....	4.00	35.00
Liberty.....	5.00	40.00

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FIANCEE

Winner of all important prizes the past year.

Place your orders now for **FIANCEE** and **THE CARDINAL**. Ten Acres of Peony Roots. Write us for best and common varieties.

CHICAGO CARNATION CO., Joliet, Ill.

ROSE PLANTS CHOICE STOCK.

IVORY, 2½-in., \$3 per 100; \$25 per 1000; 3-in., \$5 per 100. BRIDESMAID, 2½-in., \$3 per 100; \$25 per 1000. PERLE, 2½-inch, \$3.50 per 100. This stock is all A1.

C. C. POLLWORTH CO., Milwaukee, Wis.

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ROSES! ROSES!

SPECIAL LOW PRICES TO CLOSE OUT.

Fine, strong, 3-inch Bride, Bridesmaid, Ivory and Gate, \$5.00 per 100; \$45.00 per 1000. Perle and Meteor, \$5.00 per 100; \$50.00 per 1000. Beauty, \$7.00 per 100; \$60.00 per 1000. 2½-inch Bride and Ivory, \$2.50 per 100; \$25.00 per 1000. Perle, \$3.00 per 100. Beauty, \$4.00 per 100.

Fine 3-inch VINCAS for stock, \$5.00 per 100; 2-in., \$2.50. We have a few hundred Beauties cut back and established in 4-inch pots, fine to plant now, at \$8.00 per 100.

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Roses.

	Per 100	Per 1000
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Gates, 2¼-inch.....	2.50	20.00
American Beauties, 3¼-inch.....	8.00	

Clean, thrifty plants.

Gate, Ivory, 4-inch..... 8 00
Surplus from our own planting. Healthy and vigorous.

Also **Chrysanthemums**, 2¼-in., \$2.00 per 100. Bonaffon, Robinson, Bassett, J. H. Brown, Golden Wedding, Col. Appleton.

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Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink, \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100
Mrs. M. A. Patten, fine variegated.....	\$3.00	\$12.00
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Reliance, white.....	2.00	10.00

50 at 100 rate.

	Per 100	1000
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Genevieve Lord.....	2.50	20.00
Mrs. E. A. Nelson.....	3.00	30.00
Norway.....	2.50	20.00

	Per 100	1000
Prosperity.....	\$3.00	\$25.00
Sibyl.....	4.00	30.00
Lillian Pond.....	4.00	35.00

Also other varieties. Send for complete list. Let us figure on your order.

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AMERICAN BEAUTY

3-inch, \$5.00 per 100.

GATES, 2¼-inch, per 100.....\$2.00

BRIDES and MAIDS, 2¼-inch, per 100..\$2.50

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Chrysanthemums.

Finest young plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000. Ready for immediate delivery.

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| Col. D. Appleton | Mrs. Coombes |
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From 2 1/4-inch pots, \$2.00 per 100; \$18.00 per 1000. Bonnaffon, White Bonnaffon, Ivory, Glory of Pacific, Bergmann, Adelle, Bride, Wanamaker, Halliday, Appleton, McKinley, Alice Byron, White Pompon. All these plants are in very good condition. Rooted Cuttings, 75c per 100. Good roots.

HYDRANGEA OTAKSA, Rooted Cuttings, pink or blue, \$1.00 per 100; 4 inch pots, 6c; 6-inch, 10c; 8-inch, 2 c. Five plants for growing on.

STEVIA, fine plants, 3 inch pots, 3c. R. C., 75c per 100. Must be sold previous to removal. Variegated Stevia, 3-in. pots, 3c. R. C. 75c per 100.

VINCA MAJOR VAR., 3-inch pots, 3c.
ORACENA INDIVISA, 3-inch pots, 3c.

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'MUMS.

Ivory, Pink Ivory, Pacific, Willowbrook, Jones, Black Hawk, White Bonnaffon, Vivian-Morel, Halliday, Chadwick, Western King, Whildin, G. Pritchard, rooted cuttings, \$1.00 per 100.

2 and 2 1/2-inch pot plants, Willowbrook, Pacific, Halliday, White and Yellow Bonnaffon, Chadwick, W. King, Egan, Modesto, Black Hawk, fine stock, \$1.50 per 100. Cash.

BYER BROS., Chambersburg, Pa.

Five Million Vegetable Plants.

Tomato, Acme, Stone, Earliest, D. Champion and others, \$1.00 to \$1.50; transplanted, \$2.50, \$5.00 and \$7.50 per 1000. Very strong.

Cabbage, special strain, Danish Ballhead, Winter, Allhead, Early Summer, Bridgeport, Drumhead, Red Rock, Savoy and Kale, per 10,000, \$8.50; per 1000, \$1.00; per 100, 15c.

Celeriac and Celery, White Plume, J. Hearth, Pascal, Hartwell's Perfect, Winter Queen, \$8.50 per 10,000; \$1.00 per 1000; 15c per 100. Transplanted White Plume, \$2.00 per 1000; 25c per 100.

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Sweet Potato, Yellow Jersey, \$1.25 per 1000.

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Red and Yellow, from 2-inch pots, \$1.50 per 100; \$15.00 per 1000.

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	Per 100
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The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia, \$5.00 per 100; 75c per doz. **BOSTON FERNS**, 2 1/4-inch, \$3.50 per 100; 3-inch, \$3.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS**, 2 1/4-inch, \$8.00 per 100; 5-inch, 50c. **ASPARAGUS PLUMOSUS**, 2 1/4-inch, extra fine, \$3.50. **CANNAS**, P. Vaughan, J. C. Vaughan and Burbank, \$1.50 per 100; \$12.00 per 1000. **COLEUS**, 15 varieties, \$2.00 per 100. **ALTERNANTHERA**, Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

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TRUE Asparagus Plumosus Nanus...

2-inch per 100, \$3.00; per 1000..... \$25.00
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Plumosus Nana, Seedling	\$1.75
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Pansy Seed, July	per ounce, \$4.00

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5,000 large plants in bud and bloom, from 3 1/4-inch pots, in 10 good varieties, \$6.00 per 100; \$50.00 per 1000. **ALTERNANTHERA**, red and yellow, extra strong, \$2.00 per 100. Cash.

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25,000 Eaton, Appleton, Ivory, Maud Dean, Bonnaffon, Mrs. Murchie, Mrs. Coombes, Jones and many more kinds from 2 1/4-inch pots, \$2.25 per 100. 300 our selection, all good ones, for \$5.00 cash. Come and see our stock. Largest lot in the state. Greenhouses at East Sudbury Station (no walking), or write us a list of kinds wanted and we will make price by return mail.

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Marie Louise, Lady Campbell and Princess of Wales, \$20.00 per 1000. **IMPERIAL**, best dark variety, \$25.00 per 100. **COLEUS**, 2 1/4-inch, \$3.10 per 100; \$25.00 per 1000. **LOBELIA**, 3-inch same rate. **MARGUERITES**, 4-inch, \$6.00 per 100.

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DRACAENA BRUANTI, 5-inch pots, 24-inch high.....	doz.,	\$5.00	" " " 4-inch.....		10.00
FERNS, BOSTON, 2½-inch, very strong.....		5.00	" Mad. Petite Andre, 3-inch.....	\$8.00,	4-inch, 12.00
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10,000 Mme. Sallerol, strong, 3-in., \$3.00; 2-inch.....		2.50
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Phlox, Drummond, 2-inch, \$2.00; from flats.....		1.00
Hardy mixed, good new, 2-inch.....		5.00
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July and August Delivery.
Strong, 2½-in., \$6.00 per 100; \$50.00 per 1000
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25 at hundred rate. Terms cash. Satisfaction guaranteed.

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Send for list of varieties now. You not only get a reduced price for early orders, but the cuttings can be shipped when just right.

Good cuttings will make good plants. I am going to give you good cuttings and want your orders whether for 100 or 20,000.

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Bermuda White-Flowered.

This is the purest strain of white-flowered Freesias in existence.

Choice, 3/8 to 1/2-inch, per 10, 65c; per 1000, \$7.50.
Mammoth, 1/2 to 3/4-inch, per 100, \$1.00; per 1000, \$9.00.

Write for copy of our Import Bulb Catalogue.

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Asparagus Plumosus Nanus.

—SEED AND SEEDLINGS.—

Seed, \$3.50 per 1000. Larger quantities less. True to name and of highest germinating quality.
Seedlings, ready for potting, \$12.00 per 1000. Express prepaid.

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PYRAMIDS: 3 to 14 feet. **STANDARDS**: high, 24 to 66-inch head.

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BEGONIA GLOIRE DE LORRAINE,

2 1/2-inch pots, \$15 00 per 100.

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

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True Plumosus nanus, strong plants from seed sown January and February, \$12.00 per 1000, (250 at 1000 rate); \$1.50 per 100, prepaid to destination. Cash with order. Send for samples. On large lots, write us for prices.

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Roses, Palms,
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FOSTITE—(Death to Mildew)—Prevents and checks Carnation Rust, Mildew on Roses, Plants and Vegetables. 5 lbs. 60c; 25 lbs., \$2.50; 50 lbs., \$4.00.

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10,000 fine 2 1/2-inch at \$4.00 per 100; \$35.00 per 1000. 3-inch, \$8.00; 4-inch, \$15.00; 5-inch, \$25.00 per 100; 6-inch, 40c; 7-inch, 60c; 8-inch, 75c each.

PIERSONI FERNS, Strong Rooted Runners, \$4.00; 2 1/2-inch, \$3.00 per 100.

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KENTIA BELMOREANA and **FORSTERIA PALMS**, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

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ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Dnyle, Riccord, Mrs. E. G. Hill, Mme. Sallerol, Poitevine, \$2.50 per 100. 3-inch, \$5.00 per 100.

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2 1/2-inch VINCA VAR., LOBELIA, SALVIA, COLEUS, ALTERNANTHERA, red and yellow. Single and Double **PETUNIA, HELIOTROPE**, Golden Gate and Bridesmaid **ROSES, DRACAENA INDIVISA, VERBENA, LEMON VERBENA**, \$2.00 per 100.

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ABUTILON SAVITZII, 3-inch, \$5.00 per 100.

CANNAS, Black Beauty, Red, Yellow, and Variegated, 3-inch, \$4.00 per 100.

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5 1/2-inch pots, 3 to 4 tiers 10 to 12-inches high, 50 to 60c; 12 to 15 inches high, 3 to 4 tiers, 75c; 15 to 18 inches high, 3, 4 to 5 tiers, 85c.

KENTIA FORSTERIANA and **BELMOREANA**, 6-inch pots, 5 to 7 leaves, 23 to 35 inches high, 75c to \$1.00 each.

FICUS ELASTICA, (Belgium), 4-inch pots, 25c.

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Full plants, \$25.00 to \$50.00 per 100. In pots 25c to \$5.00 each. Small plants, \$5.00 per 100.

Asp. P. N., 4-inch, \$10.00; 8-inch pans, \$50.00 per 100. **Asp. Sprenger**, 4-inch, \$6.00 per 100.

Dracena Indivisa, 3-inch, strong, \$8.00 per 100.

Kentias, Ficus, Coleus, R. C., red, yellow and black, \$7.50 per 1000; 80c per 100. Mixed, \$5.00 per 1000;

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All first-class stock at lowest wholesale prices. Cash with order or satisfactory references.

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Lantana Bor., 2-in. pot,	seed leaves..	3.00	
" " 3-in. pot, 15-18 in.,	2-3 chr. lvs.	12.00	
" " 5-in. pot, 18-20 in.,	3-4 chr. lvs.	15.00	
" " 5-in. pot, 20-24 in.,	4 chr. lvs.	20.00	
Kentia Bel., 2 1/2-in. pot,	3-10 in.,	2-8 leaves..	12.00
" " 2 1/2-in. pot, 15-18 in.,	3-4 leaves..	15.00	
" " 3 -in. pot, 15-18 in.,	4-5 leaves..	18.00	
" " 3 -in. pot, 18-24 in.,	5-6 leaves..	20.00	
Asparagus Sprenger, 2-inch		\$2.00	
Asparagus Plumosus, from flats		1.75	
" " 2-inch		2.50	

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PLUMOSUS NANUS	\$3.00	\$25.00
PLUMOSUS ROBUSTUS	5.00	
DECUMBENS	3.00	
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 Special prices on lots of 10,000 or over.

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PIERSONI FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

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DRACAENA TERMINALIS.

From 5-inch pots, \$3.00 per dozen.

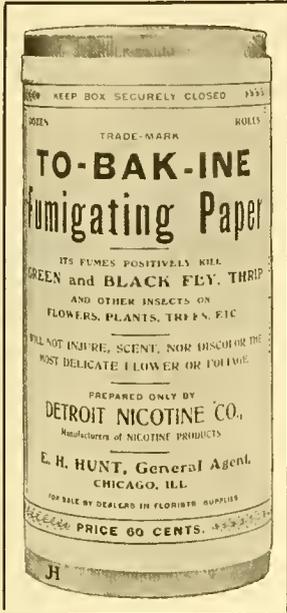
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GROWER OF
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Sheets 36 inches long, 25 per cent stronger in Nicotine than any other similar product. An especially prepared paper thoroughly saturated with **Pure Nicotine**. Its vapors are **sure death to Insects** attacking **greenhouse plants** and being **free from Ammonia** positively will not injure nor discolor **the most delicate flowers or foliage.**

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For general fumigation, the powder is very effective for destroying Aphids, Etc. For fumigating houses which are in full crop the To-Bak-Ine Fumigating Paper is the finest thing we have ever come across; no fading of the color nor disagreeable odor left on the bloom. For Thrips or Spider or any such stubborn pests the To-Bak-Ine Liquid is the stuff. I have long been looking for something to fight Thrips with, something which I can recommend and I think you have it now. You ought to have no trouble selling these goods to those who will give them a trial. They will sell themselves.

Yours very truly,

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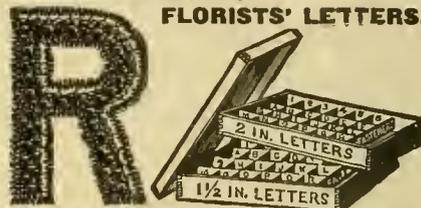
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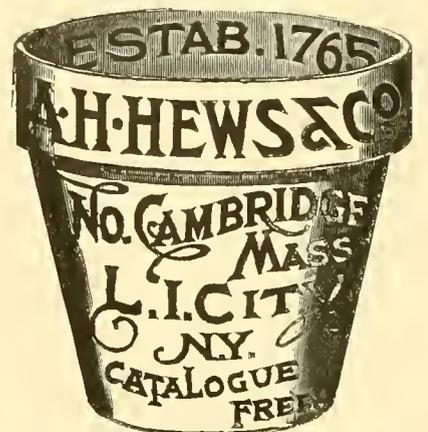
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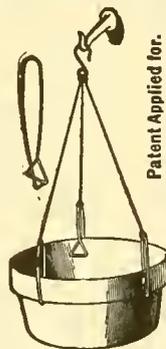
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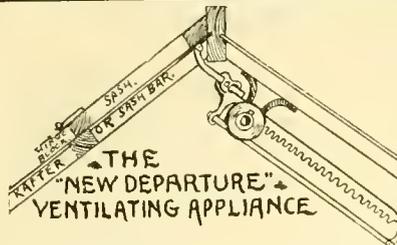
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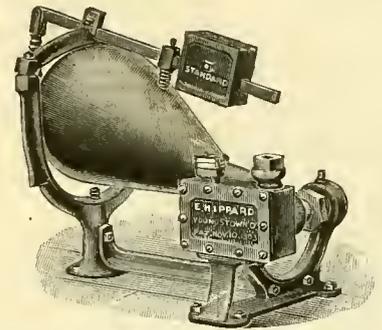
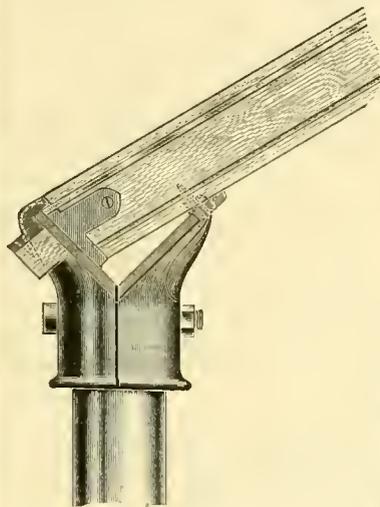
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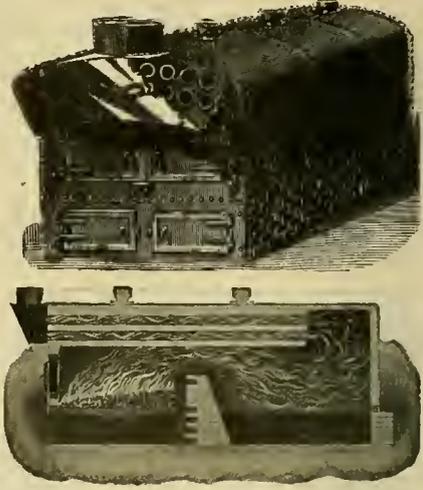
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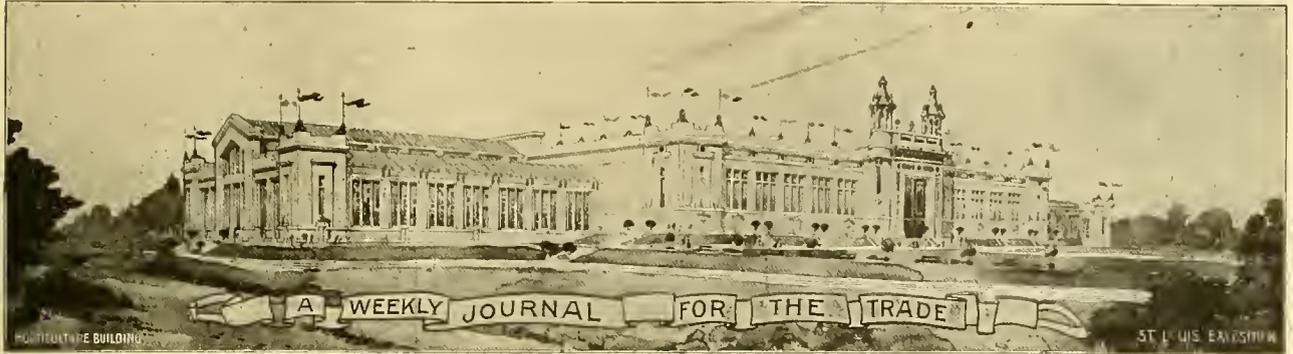
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THE AMERICAN FLORIST



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NINETEENTH YEAR.

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Volumes half-yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—PHILIP BREITMEYER, Detroit, Mich.,
president; J. J. BENEKE, St. Louis, Mo., vice-
president; WM. J. STEWART, 11 Hamilton Place,
Room 11, Boston, Mass., secretary; H. B. BEATTY,
Oil City, Pa., treasurer. Twentieth annual meet-
ing at St. Louis, Mo., August 16-19, 1904.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Chicago, 1905. ALBERT
M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass.,
1905. LEONARD BARRON, 136 Liberty St., New
York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November,
1904. FRED H. LEMON, Richmond, Ind., secretary.

Coming Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BOSTON, MASS., November 3-6, 1904.—Chrysan-
themum exhibition Massachusetts Horticultural
Society. W. P. Rich, Sec'y, Horticultural Hall,
300 Massachusetts avenue, Boston, Mass.

BOSTON, MASS., November 3-6, 1904.—Annual
exhibition Chrysanthemum Society of America.
Fred. H. Lemon, Sec'y, Richmond, Ind.

CHICAGO, November —, 1904.—Annual exhibi-
tion Horticultural Society of Chicago. E. A.
Kanst, Asst. Sec'y, 5760 Cottage Grove Avenue,
Chicago.

DOBBS FERRY, N. Y., November 11-12, 1904.—
Fourth annual flower show Dobbs Ferry Garden-
ers' Association. Henry Kastberg, Sec'y, Dobbs
Ferry, N. Y.

MONTREAL, QUE., November 9-10, 1904.—Fif-
teenth annual chrysanthemum show of Montreal
Gardeners' and Florists' Club. W. H. Harobin,
Sec'y., 23 Classe street, Montreal.

NEW YORK, N. Y., November 8-17, 1904.—
Annual exhibition American Institute of the
City of New York. Dr. Robert Taylor, Mgr.,
19-21 West Forty-fourth street, New York.

PHILADELPHIA, PA., November 8-12, 1904.—
Annual exhibition Pennsylvania Horticultural
Society. David Rust, Sec'y, Horticultural Hall,
Broad street, below Locust, Philadelphia.

PROVIDENCE, R. I., November 16, 1904.—Chry-
santhemum and carnation exhibition Rhode
Island Horticultural Society. C. W. Smith,
Sec'y, 27-29 Exchange street, Providence.

RED BANK, N. J., November 1-2, 1904.—Seventh
annual exhibition Monmouth Horticultural Soci-
ety. H. A. Kettel, Sec'y, Fairhaven, N. J.

The Ideal In Seed Growing.

[W. W. Tracy, Sr., before the American Seed
Trade Association, in annual convention, St.
Louis, Mo., June 21-23, 1904.]



In addressing such an audience as this it might be considered superfluous to refer, even briefly, to the underlying principles of successful seed growing, but it seems to me desirable, even necessary, to the most profitable discussion of the subject, to do so, in order that we may come to a common point of view, therefore I beg that you will have patience with me if I speak of my understanding of conditions and natural laws of which you know quite as much as I do.

Civilization has been, I think, aptly defined as a multiplication of man's wants and his ability to satisfy them. The Indian was content to move his wigwam to the vicinity of the ripening grapes and enjoy them while they lasted. He planted a bit of corn, but it was all of one kind and season, and when that passed he waited patiently for the time of green corn to come again. We, his successors, demand not only that there be grapes of different colors and flavors to suit all individual tastes, but that we have them from early summer until mid-winter. We must have green corn in fresh and appetizing condition long before and a long time after it is possible to produce it out of doors in our vicinity. In order to meet these demands we must have not only sorts adapted to widely different conditions of climate and soil, and those which will keep in good condition when shipped long distances, but also sorts suited for canning and drying, as well as those for immediate use, and this demand for different sorts suited to special needs is bound to increase as men's wants increase. A single best variety is an impossibility, the very qualities that make a sort best for one set of conditions make it one of the poorest of all under other circumstances. Very slight differences between two sorts, that can not be recognized except by an expert, may make it possible to grow one to a good profit under conditions in which the other could only be grown at a loss, though the latter kind would be by far the more satisfactory under other conditions. The maturing of the entire crop of peas so that they can all be picked at once is a most valuable quality where they are grown for canning or for ship-

ping to a distant market, but is a real disadvantage in the home garden.

Success in vegetable culture depends as much on the selection of a variety suited to the prevailing conditions as upon any other factor. The wise planter, therefore, is eager to discover and secure the sort best suited to his needs. And the work of the seedsman is the supplying of his customer with that sort. He must first know what that customer's conditions are and then know what sort will fit him best. He should not waste time in search of varieties which are simply new, merely novelties, but be ever on the alert to secure and develop sorts which will suit certain conditions better than those now in use. To do this intelligently there must be more accurate knowledge of sorts—one source of such knowledge is the study of different varieties as grown in trial grounds—please note that I say the study of varieties. A trial ground, no matter how extensive and well conducted, which is visited only now and then, and where there is no systematic and careful study and record of every characteristic of the varieties planted, is of little value. I know of trial grounds where the plants are admirably grown, but where there is but little study and practically no records of the characteristics of the different sorts, the records kept consisting of little more than a brief statement of the relative purity of the different stocks. It may be argued that the record of whether a certain variety of bean has a smooth or rough leaf, the pod a long or short point, is of no practical importance, and that many of the important qualities, such as hardiness and flavor, can not be determined by inspection. While this is true, it is also true that in all vegetables there is a wonderful correlation of qualities, so that the presence or absence of an easily seen characteristic is often a reliable guide as to the development of some other less discernible but more important qualities. Thus the smooth-leaved beans will commonly stand more heat than those where the leaf is of a coarser and more open texture. The character of the point of the pod is an almost certain indication of its stringiness. If we select from a field of Red Valentine beans, one plant bearing full, round, fleshy pods of the desired type and another where the pods are flatter and less fleshy, and save the seed of the two, it will be found that the first plant is more or less contorted and not nearly so symmetrical and handsome a sample as that from the other and inferior plant.

But the closest study of varieties as they appear in any one trial ground is an imperfect guide. The most that can be learned is how the different sorts behave under one set of conditions. We must see varieties grown under different conditions of climate, soil and culture, if we would fully know them. So we should learn by inspection or report of their behavior in other trial grounds than our own, and this knowledge should be supplemented by that of results obtained from fields planted and cared for and the crop marketed by men who do it for their bread and butter as well as for their cake and pie. In my opinion this lack of definite knowledge of varieties and of their characteristics is the weak point of American seedsmen, and yet to the production of seed of the highest type, as well as to a wise selection of sorts, such knowledge is essential.

But for our ideal, it is not enough to know what is wanted, we must know how to produce it, and this can only be done in accordance with natural laws. My understanding of the law of heredity is that the character of every living organism is made up of the sum and combination of the different influences inherited from each of its ancestors back for an indefinite number of generations and the relative power of each of these distinct influences varies, or may vary in each individual, and so individuals of the same ancestry may vary. Of six peas from the same pod, the first may develop into a plant like that which produced it; the second into one most like the plant, possibly very different in character, which produced the pollen with which the flower was fertilized; the third into a plant exactly intermediate in character between these two; the fourth into a plant much like a great-grandparent and entirely different from the first three, the influence of the producing plant seeming to be entirely overcome by

that of the remote ancestor; in the fifth all of the influences may be equally balanced; while the sixth may be precisely like the first. The case is analogous to the indicating of numbers by the use of the digits. The proportionate differences between two numbers, each of ten places, and alike, except that one has five and



The Late Frederick Grilbotzer.
(See obituary, issue June 25, 1904.)

the other six in the unit place, is not great, but if the two digits mentioned occupy the billion column there is a vast difference in the resulting numbers. So it the influence of a great-great-grandparent, which was very different and

inferior to the plant which produced the seed, is relatively slight, as it usually is, (if it occupies the unit's place) it is not an important factor in determining the characteristics of the plant the seed will develop into; but if, as is sometimes the case, it is the dominating influence, outweighing that of the intermediate parents, (if it occupies the billion's place) it is of the utmost importance. We can only predict with certainty the character of plant a seed will develop into (the number the digits will express) when each and everyone of its ancestors were precisely alike (the using of only one digit), or when the relative power of all the different influences (the order in which the digits are arranged) is precisely the same. Neither of these conditions is ever fully possible with plants, for there never were two plants precisely alike, but we may come as near to it as possible by first forming a conception, to the minutest detail, of the kind of a plant we want and then seeing to it that every ancestor of our seed comes as near to this conception, and hence all are as nearly alike, as possible, always remembering that no matter how slight the variation may be in any single ancestor, it may affect the result, just as the use of a digit even one larger or smaller than the other, may most materially change the resulting number, when they are thrown together.

I think that seed growers often fail in this respect. If they find an ear of Crosby corn much larger than the type they have been breeding to, but perfect in every other respect, they put it in stock seed, forgetting that this increased size is almost certain to be correlated with other and less evident differences, and these differences will be likely to disturb that balance of ancestral influences which, undisturbed, would give us an ideal Crosby. The second method of securing uniformity is to have the influences of the different individuals, no matter how different,



NURSERYMEN AT THE ATLANTA, GA., CONVENTION JUNE 22-24.



SEEDSMEN AT SHAW'S GARDEN DURING CONVENTION AT ST. LOUIS, MO., JUNE 21-23.

always have the same relative powers in the combination, the placing of the digits in the same order. This is even more difficult to accomplish fully than the first condition; but here, too, we may work towards it, for among the other differences in plants, there is a difference in prepotency—tendency to reproduce themselves. In some plants the influence over the character of the seed is dominant, overcoming that of the other individual ancestors. They always crowd into the billion's column. We can, by experiment, ascertain which plants possess this power and only breed from them, thus increasing the probability of the seed being like this parent in spite of tendencies received from other ancestors. This quality is often very marked. Frequently, of two plants, each conforming equally well to a certain type, the seed of one will give plants seventy-five per cent of which will be with difficulty distinguished from the parent, while the seed of the other will give plants seventy-five per cent of which differ materially from the parent and from each other. This selection of prepotent strains of any variety is little practiced but a most important factor in successful seed breeding.

But for an American it is not enough to know what he wants and how to secure it, he must be able to produce it in abundance and at the least possible cost. Under present commercial conditions it is quite impracticable to raise seed for sale, even in limited quantities and at high prices, from plants selected one by one. We can not even afford to reject any considerable part of a seed

crop. We often hear of seed that has been carefully rogued. Except where there has been a slight mechanical mixture of some very distinctly different sort, roguing really accomplishes but very little. The most that can be accomplished by it is to prevent the stocks deteriorating; there can be no real improvement. Assuming that a field of peas is sown broadcast and that there are on the average five plants to the square foot, the field would contain 217,800 plants to the acre, the removal of even one per cent of the poorest plants would take out 2,100 plants to the acre, where, in practice, what is called thorough roguing rarely takes as many as 200 plants to the acre. The removal of one-tenth of one per cent of the inferior plants can not materially change the real value of the seed product. Roguing, the rejecting of the poorest, is fighting against the law of heredity, which is merely kicking against the pricks. The better way is not to fight against the law, but to use it in selecting and breeding only the best, and it is entirely practicable to do this, even with commercial seed. I can spend half a day in studying the character of a variety of tomato, forming an exact ideal of just what, in every particular, the sort should be, then spend another half day in selecting five plants which come as near to the ideal as possible. Save the seed of each of these separately and the next season plant, say an acre, with these five lots and when in fruit spend another half day in ascertaining which one of the lot is most uniformly like the ideal, and from that lot select enough of

the best plants to give five pounds of seed. This seed will plant forty acres the next year, which should give 3,000 to 5,000 pounds of seed very much more prepotent and sure to grow superior crops than it would be possible to produce by the most careful and thorough roguing, both of the stock seed and of the seed crop, which roguing would cost in labor and loss of crop, not less than \$5 per acre, or \$200 for the forty acres, while the actual cost of such selecting and breeding, as I have suggested, even if it required the services of an expert costing \$10 per day, would not amount to more than \$50, or less than 2 cents a pound for the 3,000 to 5,000 pounds of the product.

I think the saving and growing of seed from individual plants separately is of great importance. Among the hundreds of lots of such plants selected by myself with the greatest care and with such rigid adherence to the type wanted that it was extremely difficult to distinguish one plant from another and often quite impossible to do so, yet in ninety per cent of the cases there was a material difference in the degree to which the product of such plants adhered to the type selected, often the product of one plant which to all appearances was fully equal to the others would prove so variable and inferior as to not only be without value itself, but if the seed of the five plants had been thrown together this would have ruined the whole lot. The growing of such stock seed must be under the immediate eye of the seedsman and must needs be grown under his immedi-

ate control, but the growing of the seed crop, the production of the commercial seed, can generally be much more profitably done by contract with individual farmers so located as to be most certain of securing a full crop and at the least cost, and if we use such stock seed as I have described and secure farmers of integrity, distance is not a serious objection. We need men who can be relied upon, not only to use land which in quality and preparation will be most likely to give a good return, but so located that our seed crop will be in the least possible danger of contamination from other crops in the vicinity. We do not think it important that the field be rogued, but that it is of the utmost importance that these farmers, no matter how far away, should be visited at least once each season, not for the sake of watching them, but for the sake of advice and counsel as to methods of culture and the handling of the crop, so that we may know our own stocks and how they behave under field conditions, and last but not least that we may come into friendly relations personally with the grower. To my mind there are very few business relations where mutual confidence and respect is of greater importance than between seedsmen and their farmer growers. I do not think it possible for a seedsman to be permanently successful who does not strive to cultivate such relations, and I do know that often such relations have been the foundations of the most successful seed growing, not only as to the quality of the product, but the obtaining of it at the least possible cost. Perhaps I can make my meaning clearer by illustration. A seed farmer once said: "I don't know as I make any more money out of these seed beans than I would out of field beans, but so long as I don't actually lose money I can afford to put in ten acres each year merely for the sake of the inspector's visits; he never came here yet but what I learned from him something about my beans or some other crop that was worth more to me than the acre of the ground that I had in for them."

To sum up, my ideal in seed growing consists: First, in a thorough knowledge of the sorts and their fitness for certain conditions; second, in understanding and using the natural laws by which we can produce seed which is sure to develop into plants of the distinct type desired; third, in having the seed grown in such locations and circumstances that it can be produced at the least possible cost.

The Bedding Plant Trade.

We have received a number of reports on the bedding plant trade of the spring just passed from prominent dealers throughout the country as follows:

E. C. Hill Company, Richmond, Ind.—We noticed an increased demand for large geraniums, scarlet salvias and dwarf lantanas, with many inquiries for verbenas. Any good red and yellow cannas found ready sale. Peonies proved extremely popular, both as cut blooms and for garden planting. There was a large call for herbaceous perennials, phloxes and peonies leading, and an enormous demand for box and vase plants. Good vines are very scarce. Asparagus Sprengeri and Boston ferns sell in large quantities. In geraniums there was a large call for S. A. Nutt, A. Ricard, Marquis Castellane, Beaute Poitevine, Mrs. E. G. Hill and Countess Harcourt, with fancy singles in small lots in good demand.

Joseph Bancroft & Son, Cedar Falls,

Ia.—The demand for coleus increased about twenty-five per cent. The demand for bedding roses, pansies and verbenas fell off twenty per cent. Red cannas were most in call, the yellows selling poorly. S. A. Nutt and other red geraniums sold well, the pink varieties next and white varieties very poorly. There was only a medium call for peony clumps and no demand for cut flowers, most of the gardens near by being supplied with plants. Hardy phlox and Clematis paniculata sold well. Bedding plant trade with us is not increasing rapidly, as nearly every town in northern and northwestern Iowa has a greenhouse.

Joseph H. Cunningham, Delaware, O.—There was an increased demand for geraniums and coleuses this spring, averaging about twenty-five per cent with me. The demand for petunias and alternantheras decreased about ten per cent. Cannas of the red shades were most in demand, and of geraniums the S. A. Nutt was most popular. There was no special call for peonies or herbaceous perennials.

Ludvig Mosbaek, South Chicago, Ill.—The call for geranium plants increased twenty-five per cent; that for pansies about thirty-five per cent; that for cannas about twenty per cent and that for lantanas about thirty per cent. The demand for ageratum fell off twenty-five per cent. S. A. Nutt geraniums formed nearly one-half of our entire output. The sale of the single varieties decreased nearly one-half.

Elmer D. Smith, Adrian, Mich.—The demand for herbaceous perennials increased in all lines, particularly in Oriental poppies. The call for coleuses, geraniums and cannas increased fifteen per cent, and that for alternantheras decreased fifty per cent. The Express cannas and all standard sorts were in demand. S. A. Nutt geraniums were most popular. There was no especial call for peonies.

Chicago Carnation Company, Joliet, Ill.—As we have been in the retail business here but one season we can not estimate the increase or decrease of the bedding plant demand. S. A. Nutt geraniums were most in demand, and there was a steady call for red, white and pink peonies at about \$1 per clump. There was no especial demand for other herbaceous perennials.

Cottage Gardens, Queens, N. Y.—We are not handling bedding stock, and for peonies and other herbaceous perennials

we have had only our regular demand. Our business grows steadily on an even keel, we doing a little more each year.

WITH THE GROWERS

George Reinberg, Chicago, Ill.

At Geo. Reinberg's establishment we find his new range of eleven houses 26x265 feet nearing completion. Everybody is hustling. These new houses and five older ones will be planted to carnations, which means that 130,000 carnations will be planted in by July 20. The stock looks fine and promising. Lawson will be extensively grown. Mr. Reinberg has his heating arranged to give them plenty of heat, something he could not do last year.

In tea roses and American Beauty he has forty-two houses 26x265 feet. Here they plant Beauty in the center bench with teas on the side benches. Mr. Reinberg will dry off a portion of the Bridesmaid, Bride and Liberty from which he expects to cut some select stock next winter. His young rose stock looks fine.

It certainly is a wonderful sight to behold acre after acre under glass, and it must be seen to appreciate the magnitude of this establishment. Adjoining is the large establishment of George Reinberg's brother, Peter. On approaching Summerdale the two together look like one mighty field of glass. George Reinberg has a continuous walk six blocks long among his houses, giving a general view without passing in and out of the different houses. He says he has now gone the limit in building. His fifteen acres are covered. In the future he will devote his attention to rebuilding and repairing. Not a small item is his rooted carnation business. This spring he rooted 670,000 carnations, cold 320,000 cuttings and planted in the field 350,000, of which he will sell 220,000 this fall. These include all varieties. He has seven and one-half acres in carnations. Everything is growing nicely and looks fine.

ROCKFORD, ILL.—Edwin Dempsey & Company are making arrangements to put in a new boiler, and contemplate building additions to their present plant that will double its capacity.



EXPOSITION BUILDING, ST. LOUIS, MO., IN WHICH THE S. A. F. CONVENTION AND EXHIBITION WILL BE HELD, AUGUST 16-19.

New York Florists' Club Outing.

In spite of unfavorable weather at the hour of starting, the New York Florists' Club outing was a success in every way. President Traendly and the committee of management were warmly congratulated on the arrangements. The destination was Witzel's Point Grove Park, Long Island. Upon arrival a substantial dinner was served and the games proceeded immediately afterward. On the return journey after dark the searchlight on board disclosed entrancing sights along the shore, also on board. Dancing was indulged in all the way back, Miss Birnie contributing her highland fling specialty. The potato race was the most interesting event of the day, while the mile race and the fat men's race proved very exciting. There was an attendance of about 200, but that of club members was far below expectations, the younger element being much in evidence. A long programme was carried out without hitch, with results as follows:

Ladies' howling match, thirty-six entries, principal winners: Mrs. L. Schmutz, Jr., 48; Miss Koch 45; Miss Heffman, 44; Mrs. Barron, 43, and Mrs. Langjahr

Baseball game, benedicts vs. bachelors; score 12 to 11, in favor of the benedicts.

Boys' race, 50-yard dash, W. Manda, G. Lenker, A. Guttman.

Girls' race, 50-yard dash, Marion Hughes, E. Lenker, E. Donaldson.

Boys' race, 75-yard dash, A. Weston, Ed Manda, A. Ihler.

Girls' race, 75-yard dash, J. Birnie, Cora Lenker, G. Hirsahkin.

Boys' race, 109-yard dash, W. Ihler, W. Hughes, Chas. Barnes.

Girls' race, 100-yard dash, A. Birnie, L. Butterfield, Chas. Traendly.

Boys' race, 100-yard dash, W. Burns, H. Reimels, W. Nugent.

Girls' race, 100-yard dash, E. Graham, L. Reimels, O. Ihler.

Boys' race, 150-yard dash, G. Harvey, Ed Butterfield.

Girls' race, 100-yard dash, L. Zeller, Lilla Zeller, J. Traendly.

Girls' race, 100-yard dash, Agnes Birnie, E. Nugent.

Ladies' race, 50-yard dash, Mrs. Barron, Mrs. Traendly, tie.

Ladies' race, 100-yard dash, Miss Manda, Mrs. Kessler.

Ladies' race, 50-yard dash, Mrs. Reimels, Mrs. L. Enggren.

Old maids' race, 100-yard dash, Miss Kohne.

Potato race, Marjorie Birnie, Robt. Birnie.

Sack race, 100 yards, D. Scott, Stevens.

Hundred-yard race, members of New York Florists' Club only, J. Roehrs, Jr.

Two hundred and twenty-yard race, Ed Koch.

Four hundred and forty-yard race, J. Roehrs, Jr., P. Kessler.

Three-legged race, Reimels and Koch, Stevens and Gottlieb.

Fat men's race, 125 yards handicap, J. B. Nugent.

One-mile race, Jake Curry.

Walking match, one-half mile, Meyer Gottlieb, G. Hildebrandt.

Fifty-yard race married men only, R. J. Irwin.

Long running jump, D. Scott, W. Ihler.

Special fat men's contest, quarter-mile race, Frank Traendly, Pat Smith.

The Lord & Burnham race, 100 yards, Frank Traendly, J. Mard.

Press bowling contest, J. Shaw, two entries only.

Bowling match, competitors B. Holt, Theo. Lange, J. Vocke, J. Shaw and Louis Schmutz, undecided.

New York.

The week opened with a dull market and a superabundance of product, much of it of a very inferior quality. The high temperature of Saturday and Sunday was in great measure responsible for a large influx of material, and in consequence much went to waste. In few lines only was any choice stock to be had, and prices naturally were borne to the lowest point. Sweet peas probably suffered most, going to 2 cents per bunch for the best sorts, and white carnations touching the dollar mark. There was a slight recovery on Tuesday, both supply and demand being more harmonious. Good roses of the white varieties were rather

scarce, and readily taken, the demand being stimulated by the requirements of school closing exercises. American Beauty of fairly good quality moved quickly, and lower grades found plenty of buyers. A few asters are coming in, but they are of poor quality. Lily of the valley is still very much in evidence, but peonies, stocks and moss roses have disappeared. Longiflorum lilies continue to sell well at 2 cents to 4 cents, and callas are quite staple and in fair supply. Big lots of Rambler roses have been offered, but only brought 15 cents per bunch. Last year they found buyers at 35 cents.

William Elliott announces that the auction sale of last Tuesday was the last of the season. Cleary's Horticultural hall held a sale on the same day, and contrary to expectations fair prices were realized. An important feature was a shipment of Porto Rican plants from W. F. Pennock including Pandanus Veitchii (suckers), Boston ferns, anthuriums, etc. Good prices were realized, the first named going at from 25 to 62½ cents.

Arnold W. Brunner, the architect who prepared the plans for the proposed new flower market in the city, is going to Europe and will look into the flower markets over there for any new features or suggestions. While the plans are practically complete, Mr. Brunner says that any details which will improve their usefulness or arrangement shall be incorporated on his return.

Retailers are already planning for the approaching holiday; one prominent florist has announced that he will close his establishment from Saturday at 10 a. m. until Tuesday morning, and his example will probably be followed by many others.

A meeting of the executive committee of the American Rose Society was held on Friday at the office of the secretary to take up matters concerning the welfare of the society and to outline the arrangements for the Boston meeting in 1905.

August Schmidt, the east side florist, whose wife was a victim of the recent "General Slocum" disaster, identified her body at the morgue by her clothing. All the jewelry found upon the body has been handed over to Mr. Schmidt.

Louis Dupuy returned last week from Paris, where he attended the rose show of the National Horticultural Society. He considers the trip profitable, although a short one.

A new store to be opened at Forty-fourth street and Fifth avenue will be managed by J. Fleischman, of the Fleischman Floral Company, and operated by his son.

The types last week made us refer to August Jurgens at Newport. Of course every one knows that the one and only person of this name at Newport is Carl Jurgens.

Garreau Brothers, of Jersey City, have built a new boiler house, and are installing a six-section Lord & Burnham boiler to be used as an auxiliary plant.

Lewis Hart of Madison avenue has been busy with the floral arrangements at the Arverne hotel and casino, a resort on the Long Island coast.

The prize list is out for the chrysanthemum show of the American Institute, to be held in Herald Square exhibition hall, November 10-17.

Bobbink & Atkins, of Rutherford, N. J., have added ten acres to their nurseries, and are remodeling two of their greenhouses.

William Kolloge, for eight years with R. Dreyer, has built at Manhasset, L. I., and will be in running order next week.

The Fleischman Floral Company is to open a branch store in the Astor hotel, Forty-fourth street and Broadway.

Walter F. Sheridan has been receiving supplies of an unnamed white seedling carnation, unusually large in size.

Anton Schultheis is closing up his palm sales at the Canal street market. He believes in the use of paint.

W. H. Siebrecht is carrying his usual full stock of lily-of-the-valley, and always some of the best.

H. H. Berger & Co., 47 Barclay street, have closed their offices until after July 4.

William Ghormley last Wednesday handled 5,000 bunches of sweet peas.

Ed Roehrs, son of Julius Roehrs, Rutherford, N. J., is home from Europe.

Thomas Young, Jr., is taking a short vacation.

John Birnie has incorporated his business.

Visitors: J. F. Sullivan, Detroit, Mich.; Henry Small, Washington, D. C.; Robert Craig, of Philadelphia, Pa.; William Duckham, Madison, N. J.

Chicago.

Midsummer quiet is settling down over the market and all departments of the trade are affected with the same lassitude. Business in retail lines is holding up fairly well, the last June weddings and commencements still causing a steady demand. The wholesale and commission houses are not disturbed these days with any undue rush of business and there is plenty of all lines, with the exception of the fancy roses, to fill all orders. Low prices prevail on carnations and cold storage peonies. Ferns, smilax and other green goods are reaching the low water mark in price. Bedding plant men report a satisfactory season, the weather lately being very propitious for them.

L. Baumann & Company, importers and manufacturers of metallic, artificial and natural preserved funeral designs, artificial flowers and leaves, preserved palms and general florist supplies, have opened their new place at 76-78 Wabash avenue, as the old place, 84 Wabash avenue, has proved to be too small to hold their large stock. They are now in a position to take care of all orders. They have added numerous useful articles for florists to their stock. An inspection of their show room will convince you that they have many kinds of goods useful in the trade.

The many friends of John G. Lambros, the retailer at 95 Wabash avenue, will be interested to learn of his approaching marriage. The prospective bride is Miss Lillie White, well known in west side society and an accomplished young lady. The ceremony will occur at the Greek church July 3. Nic Chrones will act as best man, and the matron of honor will be Mrs. Theodore Kalous, well known to the retail trade in Chicago. Mr. and Mrs. Lambros will make their home at 850 Washington boulevard. They have the best of wishes of a host of friends.

Peter Jensen, whose retail store is on North avenue, died suddenly Sunday of heart failure. He was on the market Sunday morning and later in the day made up a floral design for a customer. He finished the work and suddenly fell over dead. The deceased was aged 33 years. He leaves a wife and no children. The funeral was held Wednesday afternoon, many friends in and out of the trade attending.

Albert Fuchs, in the disposition of his plant to George A. Kuhl and James S.

Wilson, gave the would-be purchasers a thirty-day option, and now finds he has the place still on his hands at the expiration of that term. The numerous readers who have inquired about the plant recently will please note the fact.

L. H. Winterson, of E. F. Winterson Company, is absent from his desk this week, being on his wedding trip in northern Wisconsin. He was married to Miss Steen, Wednesday, June 29.

Bentley-Coatsworth Company is in with the best cut of Beauty roses seen for many moons. The Liberty, coming from New Castle, is also remarkably fine.

J. A. Budlong is showing excellent Lawson carnations which have been holding up to fine quality most consistently all spring.

J. B. Deamud still has a few thousand good peonies in cold storage and is ready to meet all calls.

L. C. Coatsworth spent part of the week in Indianapolis and New Castle, Ind.

E. C. Amling is handling a specialty in fancy auratum lilies this week.

E. H. Hunt is receiving numerous Tobakine orders.

Among the visitors this week were Prof. J. C. Blair, of Urbana, Ill.; Paul Kopanka, foreman of the Chicago Carnation Company, Joliet, Ill.

Philadelphia.

When one of the growers was asked for news he answered, "All I know is it's summer time, and things are very slow." This about sums up the situation hereabouts. Stores now close at 6 p. m. through the week and 1 p. m. on Saturday so that all hands can go and see the game. Roses are now poor, particularly the Beauty, which cannot be offered without an apology of some sort. There are a few received from out of town that are presentable but they cannot always be counted on. Kaiserin and Liberty with a few Golden Gates are still fair. Prices are about the same as last week. Prosperity carnations are about the best for size and pass nicely for white. Sweet peas are much in evidence and are probably more in demand than anything else in stock. Prices are as low as \$2 per thousand and from that up to \$5. Irises now enliven the store windows and are to be seen in almost every display.

The opening of the Waretown Rod and Gun Club on Barnegat Bay last Friday was a most enjoyable affair. Some twenty-five well known members of the craft accepted the invitation of Commodore John Westcott and spent Friday and Saturday, many of them not returning until Sunday, with him. Among those present were W. F. Gude, W. R. Smith and A. Laffler, of Washington, and R. Lynex, of Atlantic City. From Philadelphia there were Messrs. Anderson, Harris, Burton, R. Craig, G. Craig, Lonsdale, Wm. Westcott, Wm. B. Westcott, Redfield, Dunham, Eimerman, Donoghue, Lank and Lake. The fish in the bay were attacked in grand style, but nobody, with the exception of the commodore, who had the flagship, had any luck. He caught twelve and his chest expanded accordingly. He was at his best, however, in the evening when he told how he pulled in a fifty pounder the summer before. This story or rather recital is worth going miles to hear. Long live the commodore.

The Leo Niessen Company will soon be the sign at 1217 Arch street, an application having been made for a charter for a company to take over the business of Leo Niessen. Leo Niessen is to be presi-

dent, W. E. McKessick, his foreman, vice-president and A. A. Niessen, secretary and treasurer. Mr. Niessen's business is only nine years old but has advanced rapidly in volume and it is thought will now be carried on more advantageously as a corporation.

Charles Meehan, of the Flower Market, says that he feels much encouraged over the prospects. They have a few more stall holders than last year and the commission end of the business has also increased considerably. He thinks if they were located on the first floor it would be to their advantage and hopes before long that such a move may be made.

Sullivan's roses of Detroit were represented in this city on Monday and Tuesday last in the person of Mr. Sullivan himself. He had his smile along and looked the picture of health. He reports business very satisfactory.

Charles Fox still uses his Cibotium Schiedeii plants, six years old at least, which have stood in the same place all that time and are the admiration of all beholders. K.

Baltimore.

We have had here one or two days of insufferable heat, but since we have had the ideal, perfect weather of June, the air fresh and moving, the nights cool and the sky an azure delight. Trade languishes; the schools are over and the migration to seaside, mountain and country side has begun, so that the population of the city gradually declines and makes fewer calls each week for cut flowers save for funeral purposes, for hospitals, some church decorations and for some few belated festivities. Last week was a dull one all around, and as Manager Perry of the Exchange claimed, "it was push, push all through to makesales." Flowers are not in excessive supply, certainly not those of high grade, but the demand is light. Sweet peas are overabundant. The glut of southern gladioli is suspended, if not over.

There is considerable building and rebuilding in progress and everyone is busy with repairs. Lehr Brothers, Brooklyn, Md., are putting up a new house, 26x100 feet. F. C. Bauer, Govanstown, has put up two sash houses and is rebuilding two houses, each 25x80 feet, to replace three old ones demolished. He has a field of 12,000 Cochet roses in fine growth. Andrew Anderson's new rose house is nearing completion, and is a fine light structure which in a few days will be planted in Beauty roses. Wm. Madsen, his next door neighbor, is tearing down three houses, which will be replaced by two wider and more modern structures. Colin Campbell, an intelligent and capable young cultivator, is starting for himself with two houses, 20 and 12x100 feet, on Arlington avenue, east of the York road, and will grow roses and green stock. Those who know him expect to see him make his way in the trade.

The rehabilitation of the burned section of our city progresses, not perhaps with the speed one would like to see, but there are movements in rebuilding on every side. A great many mechanics of various trades are at work, and the feeling is optimistic as to our immediate future. Money moves through channels some time closed, and the fears of a several months interval of dullness greater than usual seems unlikely to be borne out by the facts. In a general revival of confidence and good feeling our trade must participate.

John M. Rider, Brooklyn, Md., is arranging for a new boiler for his plant. Many other boilers will be installed this fall, last winter having proved the insufficiency of much heating apparatus.

Edward Kress has had a serious time with a case of blood poisoning, but is improving. S. B.

Cleveland.

It is useless to say anything about business, for there isn't any. About the only thing doing is funeral work. Stock is plentiful, such as it is, although some fairly good roses and carnations are still coming into market. Peonies are over, including the cold storage ones. The plant men are about all finished up. This has been an exceptionally fine spring for the disposal of pot stock. All seem well satisfied.

James Eadie is busy finishing up his new range of glass. Nine houses are being constructed, eight being 22x125 feet and one 20x88. Roses will be planted in all except the last, which, being a dividing house, will be used for other purposes. The gutters are six feet high. The houses are divided by glass partitions. It will be a model range when completed. The Foley Manufacturing Company of Chicago supplied all the material, including the ventilating apparatus. Wm. Tapper is the foreman in charge.

Adam Graham & Son are cutting some magnificent auratum lilies, the best the writer has seen for several years. This firm will erect another house this summer. They are cutting some extra good Lawson carnations.

The club, at its meeting Monday night, appointed Isaac Kennedy, A. L. Brown and F. C. Bartels a committee to select a place to hold the club picnic this summer. Their report will be handed in at the next meeting.

John Walker and son, Elmer, of Youngstown, and Tom Walker, of Philadelphia, were visitors in town this week.

James Wilson is sending in some grand sweet peas to the Cleveland Cut Flower Company. ECHO.

Washington, D. C.

Business was good last week, and the retailers agree the quality of stock has been better than usual in the last half of June. The death of Jesse Brown, a native of Washington and one of its most highly esteemed citizens, caused a number of large funeral orders to be placed with J. H. Small & Sons. They made two standing wreaths, each eight feet high. One was composed of pink and white roses the other of orchids and white roses. They also furnished a number of fine sprays, in which orchids and valley were freely used.

The last but most notable of the commencement exercises, that of the combined Washington high schools, was held in Convention hall June 22. As Convention hall is said to be the largest hall south of New York city, it requires a lot of palms, ferns and foliage plants to furnish a good decoration. On this occasion the work was done by F. H. Kramer, and as he has a reputation for doing nothing by halves, it is needless to add that the work was well done and eminently satisfactory to the school authorities and the general public. Mr. Kramer is now growing the Pierson fern on an extensive scale, and has just filled several large wholesale orders for young plants.

Peter Becker, who had been employed at different greenhouses in the city, committed suicide by hanging himself to a

rafter in one of the greenhouses of the American Rose Company on Saturday night, June 25. The body was not discovered until Sunday morning, when George Stewart, an employe of the company, entered the house. Becker had worked for the American Rose Company, but was, it is said, on the day previous to committing the rash act, working at Mt. Olivet cemetery. He was a native of Germany and was 35 years old. A wife and one child survive him. S. E.

San Francisco.

Business is quiet and shipping has fallen off considerably. Good flowers continue to be scarce. Gladioli are to be seen in quantities at all florists and are fairly good.

The florists have had several meetings since the majority of the florists have begun to close their places of business on Sunday at 1 p. m. The object of these meetings was to see if there could not be some way to induce those who will not close to fall into line with the majority. As yet their efforts have not met with any success, and the more obstinate ones are still more determined to close whenever they see fit.

Serveau Brothers are just in with a good crop of Brunner roses, and the quality is exceedingly good. E. Serveau and family have gone to their country home to spend their summer vacation.

Miss Fecheriner, who opened a branch store in the St. Francis hotel, has given up that place. She still has the Sutler street store, where she does a splendid business.

G. Chiappari, of the firm of Frank Pelicano & Company, and family, are spending the summer at San Anselmo where he has just completed his summer residence.

M. Goldensen, of Los Angeles, is a visitor here, also Miss Kate Parsons, of Fresno. E. Madsen, of Salt Lake City, has been with us for the past few weeks.

P. W. Grallert who recently built for himself and family a home in Elmhurst, is now moving his nursery from Colma to that place.

Miss Bella Gunn has opened a new store at 710 Sutler street. There is also a new store at 118 Farrel street, running under the name of the Alcazar Florist.

Frank Shibeley opened a branch store on June 25 in the western addition, located on Sutler street near Polk street.

D. Mann who recently bought an interest in his brother's store, has resold his interest back to his brother.

A. B. Kretschmar has just returned from a trip to the Yosemite Valley and reports an enjoyable trip.

The Art Floral Company has closed its Sutler street store for extensive alterations.

The Neuchatel Nursery Company is sending in some very fine valley.

A. J. R.

Cincinnati.

Trade the last week was very unsatisfactory and a good many flowers found their way to the barrel. The present week, however, owing to the cool weather conditions, has changed things and we can report a fair amount of sales, but as July 4 is near at hand, this can be expected. One of the fakers was selling roses on the street last Saturday and Sunday which he got from Chicago at 10 cents a dozen and good roses at that. The question arises, what did the grower get for them?

The Cincinnati Florists' Society held its annual meeting June 23 and the election of officers for the ensuing year took place. Ben George, D. Rusconi, Geo. Murphy, Gus Adrian and J. W. Rodgers were chosen as directors and immediately after the result was known they went into executive session and elected Ben George president, Geo. Murphy secretary and J. W. Rodgers treasurer. After transacting some miscellaneous business a social session was held. The retiring officers had a buffet lunch served to the new officers and a jolly good time was had. Tickets are out for the annual meeting to be held at Coney Island July 1.

A Mr. Brown, representing himself as the president of a trade paper, called the Florists' and Nurserymen's Surplus Association, has been around this city soliciting for his paper and incidentally collecting amounts from 50 cents up to \$2. As things have not turned out satisfactorily to some of the growers, they are beginning to think Mr. Brown is a smooth individual and want to know if he has been in other cities working the same game.

A ride through the suburbs last Sunday showed that there has been a great deal of bedding out this season. A good many Crimson Rambler roses are to be seen. It seems as though year after year this rose is planted in increased quantities and it is a beautiful sight to see this climber with scores of blooms on the porches. One lady has her tennis grounds entirely screened with it.

Peter Wieland has returned to New Castle, Ind., to look after his carnations. While he is away Wm. Gardiner will have charge of the salesroom and Mr. Wieland can rest assured that his interest will be well taken care of at this end.

Albert McCullough and George Parvin have returned from the seedmen's convention and report a good time. A. D.

Toronto.

Business is keeping up fine and is better than is to be expected for this season. Stock with most growers is still of good quality and as yet very little mildew is seen. The many commencements, weddings and deaths have used up many flowers, the good stock being usually sold off readily, though the inferior grades have been hard to dispose of. American Beauty and Kaiserin roses are both very fine for this season, and the quality of the Meteor, Bride and Bridesmaid are well worth \$6 per 100, at which price they are now quoted. Carnations are still good property and mostly disposed of. Lily of the valley is becoming more plentiful again. Other lilies are about over and since the outdoor marguerites have come into bloom, there is little demand for the indoor variety. Many native orchids have been coming from the northern part of the province which are proving attractive in some of the store windows, some of the cypripediums being especially fine.

Miss Jessie Dunlop, daughter of John H. Dunlop, was married to George Graham on Wednesday, June 15. The ceremony took place at Bonar Presbyterian church, but was very quiet and only attended by the immediate relatives. After the wedding breakfast at Mr. Dunlop's cosy residence, the happy couple left for a tour of the western states.

William Jay & Son have been very busy of late with bedding stock. The run of these has been quite heavy with them and besides this they have had numerous orders for weddings and other occasions.

D. J. Sinclair and family have returned from Muskoka. The fishing was very fine and it was no trouble to make a good sized catch before breakfast.

Dunlop, of King street, has been showing a fine specimen of Bougainvillea Sandieriana which elicits much comment from the passersby.

J. Simmons is busy renovating and decorating his store which is proving more attractive each season.

Charles Chambers has been appointed Assistant Park Commissioner.

William Taylor, of Barrie, Ont., is a visitor. H. G. D.

Newport, R. I.

This is a busy week for the gardeners, as not only are they opening the large places for the season, but they also have their exhibits to get ready for the rose and strawberry show. We have had good growing weather all the week, with two or three sharp showers to keep the ground in good condition. On every hand regret is expressed that it was necessary to postpone the rose and strawberry show until this week, for while last week was too early for some, this week will be too late for others. The last two or three days, being very warm and moist, have pushed roses and strawberries right into their prime, and the show is not for three days yet. But we all hope that a good exhibition will be made, even if the first blooms are gone.

We have had a week of perfect June weather, and Newport is looking its best. Bellevue avenue never was more beautiful than it is now; its miles of California privet hedges have been trimmed with the greatest care, and its lawns are in the most perfect order. As previously mentioned the trees have made a most luxuriant growth, and are in their best condition. The florists all report a very good business for so early in the season, and as the past week has been graduation week in the schools, they have been very busy with the bouquets required by the various classes. A few bedding plants are still sold, mostly geraniums; but now every one has his garden pretty well planted.

Cactus dahlias will have a great run here this summer, as they bloom when outdoor flowers are scarce and most needed for the great number of dinners and other August functions. Special colors that are favorites are being grown in large quantities; some of the gardeners have large blocks of Mrs. Charles Turner, the popular yellow; Katharine Duer, the elegant scarlet; and other solid colors for flower work.

Worcester, Mass.

After the severe drought which threatened every outdoor crop, we have had copious rains, accompanied by high winds and hail. While the latter did considerable damage, it was more than balanced by the benefits of the rainfall. Weddings, graduations and funeral work have kept business up to a satisfactory standard for this season of the year. Flowers are plentiful and the quality good. Carnations are holding on well, considering the extremely hot weather, and asters will soon be in the market. The bedding business is about finished, and most lines of bedding plants are well cleaned up, with the exception of cannas. These probably got a severe setback in popularity last year on account of the cold, rainy summer. L.

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variegated foliage makes a nice com-
panion for verbenas in a flower bed. The
best effect is secured by planting two
abutilons for every one verbenas used.

IN sending in a change of address it is
important that the old address be given
as well as the new. This will greatly aid
us in locating your name on our mailing
list and prevent delay in making the
desired change.

For World's Fair Visitors.

From the city take the Market street
electric cars for the entrance nearest to
the Horticulture building. The Union
railroad station is located on Market
and Eighteenth streets.

Get off at station 10 on the intramural
railroad for the Horticulture building.
Other reasonably convenient stations are
7, 8, and 9.

Prof. L. R. Taft, who has charge of the
judging in the horticultural classes, is
now at his office in the Horticulture
building.

Chief F. W. Taylor's office is at the
south end of the Agriculture building, the
end nearest the Horticulture building.

Superintendent Hadkinson's office is in
the Horticulture building.

Florists' Hail Association.

The Florists' Hail Association since
August 1, 1903, has paid \$17,700 for
glass broken by hail. The emergency
fund in the hands of the treasurer, after
paying these losses, is in the neighborhood
of \$10,000. This is in addition to an
emergency fund of over \$12,000. The
Florists' Hail Association is certainly to
be congratulated upon its achievements
during the past year.

New York to St. Louis.

Following are the arrangements for
transportation to the S. A. F. convention
at St. Louis, as announced by Chairman
Patrick O'Mara of the transportation
committee. The route is by the Balti-
more & Ohio R. R., with stop-overs at
Philadelphia, Washington and Cinci-
nati. The rates are, season excursion
ticket \$34; sixty day excursion \$28.35;
fifteen day excursion \$23.25; Pullman
rate \$6 each way. Mr. O'Mara urges
that reservations be given the committee
at the earliest possible moment—he
emphasizes this—and states that on
request the committee will endeavor to
secure hotel accommodations also.
Refreshments for the special train have
not been forgotten.

Greenhouse Building.

Portland, Ore.—Mr. Eland, Twenty-
third and Overton streets, small house.

Elmhurst, Cal.—Paul W. A. Grallert,
two carnation houses, 22x100; three
asparagus houses, 15x100; one lath
house, 20x150; one lath house, 20x100.

Alexandria, Va.—David Grilbotzer,
carnation house, 30x103.

Rock Island, Ill.—Edwin Dempsey &
Co., new boiler and additions to range.

Pendleton, Ore.—S. H. Forshaw, chry-
santhemum house, 20x30; house 16x28
and house 18x75.

Lenox, Mass.—Chas. Lanier, range of
conservatories.

Grafton, Mass.—Norcross & Stratton,
forcing house.

Chemical Extermination of Weeds.

The results of a number of experiments
with different chemicals for the destruc-
tion of weeds are given by J. O. Morgan
(Agr. Education, 6 (1903), No. 1, pp.
10-12), says the Experiment Station
Record. Weed plats of one-fourth rod
each were selected and received applica-
tions of solutions of copper sulphate, cor-
rosive sublimate, potassium sulphide,
common salt and sodium arsenate. The
weeds embraced a large number of species
of different genera of plants and as would
have been expected the effect on the dif-
ferent forms varied widely.

The potassium sulphide appeared to
have no effect whatever in checking the
weed growth, and the copper and cor-
rosive sublimate solutions were without
very much effect in deterring them. The
best results were obtained where sodium
arsenate was used, and where consider-
able areas are to be treated it is sug-
gested that spraying with this solution
would give the best and cheapest results.

Notes for Beginners.

Red cedar and locust are two of the
most durable woods for greenhouse posts.
For a structure 16 to 20x100 feet in
dimensions sink them at least 3½ feet, in
firm ground, and char or tar the portion
to be buried.

Bran, powdered sugar and paris green
or rough-on-rats make a capital cock-
roach destroyer. Proportions: To a 3-

inch pot of bran add one teaspoonful
each of powdered sugar and the poison.

Narrow post holes dug carefully in line
and the posts grouted in with cement
and stones is cheaper in the end than the
old fashioned way. Enough cement to
bind the stones is all that is necessary.

One pound of lard, one teaspoonful each
of powdered sugar and rough-on-rats,
well mixed and pasted here and there
beneath the benches, will destroy cock-
roaches.

Dry bran placed on the benches in flat
receptacles will capture many snails and
slugs, and remains good as long as it is
kept perfectly dry.

Leave the soil on the benches during
the summer and water it occasionally.
This will preserve it against warping
and shrinking.

Powdered white hellebore is a sure
destroyer of currant and rose worms,
one-half pound to five gallons of water.

Asparagus Sprengeri thrives best in a
cool temperature and can be grown in
cold frames for summer cutting.

In crossing marshy land when building
greenhouses, dig down to firm ground if
possible and fill in with stone.

If compelled to use chestnut posts for
greenhouses, tar them well at ground
level, their vital part.

Persian insect powder is a good remedy
for cut worms. Dust it on the plants in
the evening.

Soil infested with eel worm should be
sterilized by steaming before stock is
planted.

Hemlock is about the best and cheap-
est lumber to use for benches.

Have you tried growing nephrolepis in
baskets of moss for stock?

Pittsburg.

Business this week has gone down to
rock bottom, and a likelihood for any-
thing more than a slight stimulation now
and then is remote. June business, how-
ever, will be equal to if not in excess of
the same month of last year. While in-
vestments in wedding decorations re-
vealed signs of a general retrenchment,
yet a very substantial increase is assured
by reason of a much greater number of
orders booked. Roses are about the
same in quality as those of last week,
though the various grades are more plen-
tiful. In Carnations Mrs. Lawson, En-
chantress, Goethe, Scott and several
white are the best. Lily of the Valley,
sweet peas, irises, gladioli and white
daisies sold well.

The word "Wednesdays" was omitted
in the paragraph relating to Randolph &
McClements in last week's news notes.
They will close on each Wednesday after-
noon at 1 o'clock during the summer.

The Florists' Exchange reports busi-
ness quiet, although shipping orders keep
up to the mark. The Exchange has had
a remarkable run on American Beauty in
the last two months.

Plans are being made for the big picnic,
and all definite arrangements will be
reported to the Florists' Club at the next
meeting.

Christ Reigers' new building is not yet
ready for occupancy. It was to have
been finished two months ago.

G. and J. W. Ludwig are receiving and
disposing of great quantities of fine light
pink gladioli.

Mr. Clarke, of the Cut Flower Com-
pany, will be at home for the next two
weeks.

The Pittsburg Rose and Carnation
Company is cutting some fine Kaiserin.

E. L. M.

Massachusetts Horticultural Society.

ROSE AND STRAWBERRY SHOW.

As stated in our brief notes of last week the June exhibition of the Massachusetts Horticultural Society, held at Horticultural Hall June 21 and 22, was remarkable for its extent and the superb quality of the flowers shown, particularly the peonies. The latter were certainly marvels in many instances. The general displays of roses, arranged on sloping racks in vases of one hundred each, were effective as usual, the contributors in this section being Miss S. B. Fay, Mrs. E. M. Gill, Dr. C. G. Weld, Peter Cairns, Walter Hunnewell, Mrs. G. H. Worthley, E. L. Lewis and W. J. Clemens, the first five being the prize winners in order as named. A bank of tea and hybrid tea roses from Harriett R. Foote comprised a large number of valuable sorts which rarely receive attention in this latitude but which are well worthy of the extra care they require for protection, and a bronze medal was awarded therefor. The Sarah B. Fay prize, offered to amateur rose growers, was not awarded according to its merits because of a misleading defect in the wording of the schedule which did not make it plain that hybrid perpetuals were alone eligible for competition. The introduction of a number of teas disqualified the exhibit which would otherwise have been adjudged as first.

The display of native and other species of wild roses and the hybrids thereof produced in recent years by Jackson Dawson was one of the most interesting features of the show and attracted constant attention from visitors. There were about seventy-five species shown, all labeled, and the parentage of each hybrid was also indicated. The prettiest of them all was the one named by Mr. Dawson for his late wife, Minnie Dawson. This is a seedling of R. multiflora and R. alba, bearing an abundance of symmetrical, white, very double flowers. The first prize of the Theodore Lyman fund was awarded to Miss Sarah B. Fay, whose roses were as heretofore a practical example of Woods Hole's superiority as a rose paradise. E. A. Clark, W. A. Riggs, gardener, won the second prize in this class, the exhibit being also of highest quality. In the other rose classes the principal prizes were won by Miss Sarah B. Fay (who took nine firsts, including that for best blooms of a variety introduced since 1901, the variety being Joseph H. Fay); Jos. H. White, who took two firsts; Mrs. O. S. Paige, who took three firsts; A. C. Bazelley, A. F. Estabrook, E. A. Clark and Wm. Whitman.

Of equal or even greater interest than the roses were the peonies, of which the show was superlatively fine. Local celebrities in this specialty were all there and many of the flowers were of remarkable size and not far removed from perfection. The prizes for collection of thirty or more named varieties were secured by T. C. Thurlow, A. H. Fewkes, Mears Estate and George Hollis respectively. George Hollis also had an interesting collection of seedlings and Dr. C. S. Minot, Dr. C. G. Wild, Mrs. J. L. Gardner, and Mrs. Gill were also represented by fine collections. Robert T. Jackson received a silver medal for Richardson's seedling Samuel Henshaw, and certificates for Richardson's seedlings John Richardson and Walter Faxon. R. J. Thaylor received certificates for Mme. Emile Lemoine and Marguerite Gerard and similar awards were given to George Hollis for Mary Louise Hollis and Sun-

rise and to A. H. Fewkes for Avalanche. Among the varieties showing most sensational qualities were Summer Day, Pottsi alba, A. A. Gould, R. P. Whitfield, Minnie Claire, Dubois and Empeur Nicholas in Mr. Shaylor's group; Eugene Verdier, Marechal Vallant and Milton Hill by Mr. Fewkes, and Dutchess of Sutherland, Thurlow's Double Red, Alba Maxima, Felix Crousse and Lady Alex McDuff by Mr. Thurlow. Samuel Henshaw, the variety winning the silver medal, is a posthumous seedling of Mr. Richardson's, a flower of unequalled size, white and flushed with lively pink.

Among the miscellaneous exhibits none showed up better than the sweet williams of which Wm. Whitman staged probably the finest blooms ever seen here. The large hall was flanked by two very extensive displays of hardy herbaceous plants from Blue Hill Nursery, and the Harvard Botanic Garden. These were arranged in artistic manner and each variety labeled. On the stage was a fine group of gloxinias with fern setting, from E. A. Clark. Warren Heustis showed campanulas and Rosa multiflora in a brilliant mass. J. I. Bailey, J. Nylan, gardener, and R. & J. Farquhar & Company staged effective groups of palms. A very attractive group of palms, orchids, gloxinias and anthuriums, edged with St. Paulia, came from Mrs. J. L. Gardner. A silver medal was awarded to Miss E. J. Clark, John Ash, gardener, for a group of plums, pears, peaches, nectarines, etc., fruited in pots and a certificate of merit for the new grape Diamond Jubilee, this being the first exhibition of this variety in America. It was raised by Buchanan, of Kippen, Scotland. The berries are enormous, more nearly resembling plums than grapes. Peter Fisher was represented by large vases of Enchantress, Mrs. M. A. Patten and Nelson Fisher and M. A. Patten by one of Mrs. Patten. Honorable mention was given Walter Hunnewell for a rare campanula from Siberia, bearing very long bells, creamy white abundantly speckled on the inner surface with violet dots.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 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 florist and gardener in a public institution or retail place where good wages can be paid. Sob-r and good worker. Can bring best of references. B Y, care American Florist.

Situation Wanted—By competent grower of roses, carnations, 'mums, palms, ferns and bedding plants; willing and reliable, age 32, German; 16 years' experience; middle states or around Chicago preferred. References. Address W X, care American Florist.

Situation Wanted—An American, at present employed, of unusual business ability, desires a first-class situation or working interest in some good establishment or will accept traveling position. A No. 1 grower and propagator either in greenhouses or nursery and good ability at landscaping. FIRST-class references. COMPETENT, care American Florist.

Help Wanted—Foreman for nursery. Address M P, care American Florist.

Help Wanted—Good, single, all-around man for cut flowers and pot plants; Dutch or German preferred. State wages with board and room. Z, care American Florist.

Help Wanted—Good man to grow roses, carnations and general stock. Must be a hustler and capable of taking entire charge of 21,000 square feet of glass. Wages \$30.00 per month and board. S. GIBBS, Woodville, Pa.

Help Wanted—Good rose grower for Brides. State wages and experience. Address A. E. WOHLERT, Bala, Pa.

Help Wanted—A working foreman; beauty grower. Satisfactory wages paid to competent man. Give references as to character, and ability as a grower. Address FLORIST, Box 18, Station A, Cleveland, O.

Help Wanted—At once, a working foreman. Must be good grower of roses, carnations, 'mums, etc., and able to handle help. Wholesale cut flowers only. State wages. German preferred; give references. C M, care American Florist.

Help Wanted—By June 20, experienced man for general greenhouse work; must be sober reliable and a good worker. One with some experience in greenhouse building preferred. Wages \$12.00 per week. References required. J. A. BISSINGER, Lansing, Mich.

Help Wanted—An up-to-date florist, who has from \$500 to \$5,000 to invest in an established greenhouse business of growing cut flowers. State wages wanted and give references, as to character and ability as a grower. Address BUSINESS, care American Florist.

Wanted—Gardener as partner, a competent and practical man; small capital preferred. A good opportunity, near a growing city. B M 12, Seattle, Wash.

Wanted—To buy up-to-date florist establishment, 10,000 to 15,000 feet of glass, with or without stock; must be in good condition and have proof of doing a good business, located either in Michigan, Ohio or Illinois. Don't answer unless you mean business and have something at a bargain. Address MICHIGAN, Box 233, Negaunee, Mich.

For Sale—Cheap; a Kroeschell style boiler; been used four seasons. Will heat 6,000 feet of 4-inch pipe. Address DAVIS BROS., Morrison, Ill.

For Sale—Greenhouse, 2,500 feet of glass; rare bargain; good location; business established; owner in failing health. For particulars, address S. A. NOBLE, El Dorado, Kan.

For Rent or Sale—14 greenhouses, house, barns and 12 acres of land, located at Blue Island, Ill. Apply to Mrs. F. W. HEITMAN, 334 East Sixty-Third St., Chicago.

For Rent—Four greenhouses, 10,000 ft. of glass; everything in good order; only greenhouse here; population 40,000. Would sell on easy terms. L. O'SULLIVAN, West Superior, Wis.

For Sale—Very cheap, second-hand section of the Advance boiler; several only used a short time. For particulars, address P. M. KEPPER, Station E, Milwaukee, Wis.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. JAS. RICHARDSON, London, O.

For Sale—Two first-class horizontal tubular boilers. 30 H. P. each, 9 feet long, 42 inches diameter. All fittings complete and warranted in A1 condition. Price f. o. b. \$150 each. GEO. E. BRXTON, Nashua, N. H.

For Sale or Rent—Commercial place, 9 greenhouses, 20,000 feet of glass, shed 20 feet wide connecting houses, heated with steam by return tubular boiler; storage capacity for season's supply of coal. Three miles from city hall. Address SAMUEL J. BUNTING, Elmwood Ave. and 58th St., Philadelphia, Pa.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 11 large greenhouses, 20 lots 125 feet deep, 500 feet frontage, fine dwelling house, etc., with modern conveniences; plenty of water and coal; good soil; everything in first-class order; all new. Have other business; have to give this up. There is money in it. I have made money, so can you. Try it. Terms reasonable. W W, care American Florist.

WANTED.

First-class man to manage a mail order business in extreme west. Should have some practical knowledge of florist or nursery work. Applicant will be expected to take financial interest in the business, \$1,000 to \$3,000, insuring his genuine interest and permanency, and which investment will earn him a handsome thing in addition to salary. Don't bother unless you can qualify O. K. Address MANAGER, care American Florist.

WANTED.

A first-class man for general greenhouse work. Must be experienced in summer propagation of roses and shrubs. Also capable of keeping up stock for wholesale and retail catalogue trade. Must be energetic and reliable. Write giving full particulars and wages expected.

WAGNER PARK CONSERVATORIES, Sidney, O.

PEONIES.

These are the popular flowers of the season. We can fill all orders with choice stock at \$3.00 to \$4.00 per 100.

Asparagus is scarce but we have plenty of Smilax, \$1.50 per dozen; \$10.00 per 100. Plenty of New Common Ferns.

ALL CUT FLOWERS IN SEASON.

—SEND US 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, ILL.
Long Distance Telephones 1978 and 1977 Central.

American Beauty.	Per doz.
30 to 36-inch stem.....	\$3.00
24-inch stem.....	2.50
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	1.00
Short stems, \$4.00 to \$8.00 per 100	
	Per 100
Bride, Maid, Meteor and Gate...	\$3.00 to \$ 6.00
Liberty.....	4.00 to 8.00
Kaiserin.....	3.00 to 8.00
Carnations.....	1.00 to 1.50
large and fancy.....	2.00
Peonies.....per doz., 35c to 75c	4.00 to 5.00
Valley.....	4.00 to 5.00
Mignonette, per doz.....35c to 75c	
Sweet Peas.....	.20 to .40
Marguerites.....	.50 to .75
Callas, per doz.....\$1.00 to \$1.25	
Harrisii, per doz.....	1.00 to 1.50
Auratum Lilies, doz. 1.25 to 1.50	
Asparagus, per string, 40c to 50c	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns.....per 1000, \$1.00	.15
Galax.....per 1000, 1.25	.15
Adiantum.....	.75 to 1.00
Smilax.....per doz., \$1.50	

SUBJECT TO CHANGE WITHOUT NOTICE.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

WHOLESALE FLORISTS

CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Frank Garland, CUT FLOWERS.

Wholesale Grower of

FERNS.

SPECIAL ATTENTION GIVEN TO HARDY CUT
Room 218, 51 Wabash Avenue,
Telephone Central 3284. CHICAGO.

A. L. RANDALL CO. Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower and shipper of **CUT FLOWERS**

Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.

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.

It is good business policy to mention

The... **AMERICAN FLORIST**

When you write to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations **WHOLESALE CUT FLOWERS**
A Specialty..... **GROWER OF**

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, July 1.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 "	2.00@ 2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@ 1.50
" Liberty.....	4.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 1.50
" fancy.....	2.00@ 2.50
Valley.....	2.00@ 5.00
Asparagus Plumosus, per string 25 to 50c	
sprays 2.00@ 6.00	
" Sprengeri.....	3.00@ 6.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
Green, " " 1.00	
Adiantum.....	1.00@ 2.00
Fancy ferns...per 1000	12.00@ 15.00
Smilax.....	1.00@ 1.25 per doz.
Harrisii.....	1.00@ 1.50 "
Sweet peas.....	.20@ .50
Peonies.....	2.00@ 5.00

SINNER BROS.

Wholesale Growers and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telephone and telegraph orders given prompt attention.

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.

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention. 35-37

GREENHOUSES: Morton Grove, Ill. Randolph Street, CHICAGO, ILL.

Please mention the American Florist when writing.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

GOSHEN, IND.—The Lake Shore flower train recently replenished the flower beds at the station here.

Leo Niessen

WHOLESALE FLORIST,

1217 Arch Street, PHILADELPHIA, PA.

During the summer months we will be open from 7:00 a. m. until 6:00 p.m.

OUR MOTTO:

CAREFUL ATTENTION.
FULL COUNT.
GOOD PACKING.
PROMPT SHIPMENTS.
RIGHT PRICES.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.

QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

N. F. McCARTHY & Co.,



WELCH BROS. CITY HALL CUT FLOWER MARKET,

15 Province St., BOSTON, MASS.

Best Flowers. Large Variety. Prompt Shipments. Careful Packing.

The Philadelphia Wholesale Flower Market.
1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.
Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr.
WHOLESALE FLORIST.
CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

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.
Please mention the American Florist when writing.

N. Lecakes & Co.
53 W. 28th St., and 46 W. 29th St., Also at 26th St. and 34th St. Markets
NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS OUR SPECIALTIES
GREEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$6.50 per case of 10,000.
Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.
Please mention the American Florist when writing.

PENDLETON, ORE.—S. H. Forshaw is preparing to build a chrysanthemum house, 20x30 feet, on his property at Star and Webb streets. He will also build two other houses, the first 16x28 feet and the second 18x75 feet.

Wholesale Flower Markets

BOSTON, June 29.

Roses, Beauty, extra.....	8.00@15.00
" " medium.....	5.00@ 8.00
" " ovals.....	1.00@ 3.00
" Bride, Bridesmaid.....	1.00@ 3.00
" extra.....	4.00@ 6.00
" Liberty.....	2.00@ 6.00
Carnations.....	.50@ .75
" Fancy.....	1.00@ 1.50
" of the valley.....	3.00@ 4.00
Harrisii lilies.....	4.00@ 6.00
Smilax.....	10.00@12.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Peas.....	.25@ .50
Peonies.....	2.00@ 4.00

PHILADELPHIA, June 29

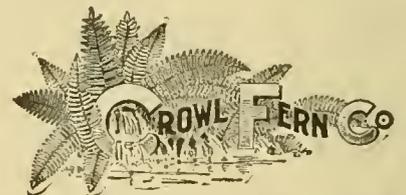
Roses, Tea.....	3.00@ 5.00
" " extra.....	6.00@ 8.00
" Beauty, extra.....	16.00@25.00
" firsts.....	6.00@ 8.00
Carnations.....	.100@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Sweet peas.....	.35@ .50
Peonies, cold storage.....	4.00@ 6.00

BUFFALO, June 30.

Roses, Beauty.....	3.00@25.00
" Bride, Bridesmaid, Meteor.....	2.00@ 8.00
Carnations.....	.50@ 3.00
Harrisii.....	12.50@15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00
Adiantum.....	.50@ 1.00
Sweet Peas.....	.25@ .75
Peonies.....	1.00@ 4.00

FANCY AND DAGGER FERNS.

75c per 1000. Calax, 75c per 1000; \$6.50 per case 10,000. Southern Smilax, \$6.00 per case 50 lbs. Use our Mountain Laurel for your decorations, 4c, 5c and 6c per yard. Made fresh daily from the woods. Flowering Laurel in its season. Can ship large or small lots, 50c for a nice bunch with lovely pink blossoms. Just what you want for your June decorations.



Tel. Office, New Salem, Mass. Millington, Mass.

FOR SOUTHERN WILD SMILAX.

(Where quality is first consideration) Write, Wire or Phone the Introducing, CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.
26 Miami Ave., DETROIT, MICH.



Fancy and Dagger Ferns, A No. 1 Quality \$1.00 per 1000.

Very fine Bronze and Green Galax selected stock. \$1.00 per 1000. Laurel Festooning, hand made, good and full, \$5.00 and \$6.00 per 100 yards. Green Moss, \$1.00 bbl. Sphagnum Moss, \$1.00 per bbl.; per bag 50c. Branch Laurel, 50c per bundle. Discount on large orders.

Orders by mail, telegraph or telephone will receive our personal attention.
Henry M. Robinson & Co., 11 PROVINCE ST., L. D. Tel., 2618 Main. Boston, Mass.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST

THE AMERICAN FLORIST

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2055 Madison Sq.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all reasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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. Tel. 956 Madison Sq.
115 W. 30th St., New York. Also 49 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St., New York.

OPEN 6:00 A. M.

An Unequaled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, June 28.

Roses, Beauty, best.....	8.00@20.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 1.00
" Liberty, best.....	8.00@12.00
" " medium.....	2.00@ 6.00
" " culls.....	.50@ 1.00
" Bride, Bridesmaid, G. Gate	.50@ 5.00
" Kaiserin, Carnot.....	2.00@ 6.00
" Jacq.....	.50@ 1.00
Carnations.....	.50@ 1.00
" fancy and novelties.....	1.00@ 2.00
Lily of the valley.....	1.00@ 2.00
Lilies, Callas.....	3.00@ 6.00
Smlax.....	5.00@10.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Mignonette.....	.50@ 2.00
Gardenias.....	5.00@10.00
Sweet peas.....	.01@ .03 per bun.
Gladioli.....	4.00
Peverfew.....	.05 per bun.

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS

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 1664 and 1665 Madison Square.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments.
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER.

CARNATIONS My Specialty.
CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St.
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th. St. N.W New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

**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.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, L Dist. Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Umbria	1	Sat. July 9, 10.00 a. m.	July 16
New York.....	"	Campania	1	Sat. July 16, 1.00 p. m.	July 23
Boston.....	"	Ivernia	1	Tues. July 5, 8.00 p. m.	July 13
New York.....	Glasgow	Numidian	2	Thur. July 7, 11.00 a. m.	July 17
New York.....	"	Mongolian	2	Thur. July 14, 11.00 a. m.	July 24
Montreal.....	Liverpool	Pretorian	2	Sat. July 9,	July 17
Montreal.....	"	Ionian	2	Sat. July 16,	July 24
New York.....	Hamburg	Deutschland	3	Thur. July 7, Noon.	July 14
New York.....	"	Columbia	3	Thur. July 14, 10.00 a. m.	July 24
New York.....	"	Pretoria	3	Sat. July 16, 7.30 a. m.	July 28
New York.....	Copenhagen	United States	4	Wed. July 6,	July 18
New York.....	"	Norge	4	Sat. July 16,	July 26
New York.....	Glasgow	Ethiopia	5	Sat. July 9, Noon.	July 19
New York.....	"	Astoria	5	Sat. July 16, Noon.	July 26
New York.....	London	Minnehaha	8	Sat. July 9, 2.00 p. m.	July 19
New York.....	"	Minneapolis	8	Sat. July 16, 6.00 a. m.	July 26
New York.....	Liverpool	Teutonic	7	Wed. July 6, 10.00 a. m.	July 13
New York.....	"	Celtic	7	Fri. July 8, 1.00 p. m.	July 16
New York.....	"	Baltic	7	Wed. July 13, 5.00 p. m.	July 21
Boston.....	"	Republic	7	Thur. July 7, 4.30 p. m.	July 15
Boston.....	"	Cymric	7	Thur. July 14, 10.00 a. m.	July 22
New York.....	Southampton	St. Paul	8	Sat. July 9, 9.30 a. m.	July 15
New York.....	"	Philadelphia	8	Sat. July 16, 9.30 a. m.	July 23
New York.....	Antwerp	Kronland	9	Sat. July 9, 10.30 a. m.	July 19
New York.....	"	Zeeland	9	Sat. July 16, 10.30 a. m.	July 26
New York.....	Havre	La Lorraine	10	Thur. July 7, 10.00 a. m.	July 17
New York.....	"	La Gascogne	10	Thur. July 14, 10.00 a. m.	July 24
New York.....	Rotterdam	Noordam	11	Tues. July 5, 10.00 a. m.	July 15
New York.....	"	Staatsdam	11	Tues. July 12, 10.00 a. m.	July 22
New York.....	Genoa	Liguria	12	Tues. July 5,	July 20
New York.....	Bremen	Grosser Kurfuerst	13	Tues. July 5, 10.00 a. m.	July 15
New York.....	"	Kaiser Wilhelm II	13	Tues. July 12, 2.00 p. m.	July 19
New York.....	"	Prinzess Alice	13	Thur. July 14, 10.00 a. m.	July 24
New York.....	Genoa	Prinzess Irene	13	Sat. July 16, 11.00 a. m.	July 31
Boston.....	Liverpool	Winifredian	14	Wed. July 6, 4.00 p. m.	July 16
Boston.....	"	Devonia	14	Wed. July 13, 9.30 a. m.	July 23
Montreal.....	"	Vancouver	15	Sat. July 9,	July 18
Montreal.....	"	Dominion	15	Sat. July 16,	July 24

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

**JOHN BREITMEYER'S
SONS**

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

**The Park
Floral Co.**

J. A. VALENTINE, DENVER, COLO.
Pres.

JULY 8th

The Nickel Plate Road will run an excursion to Chautauqua Lake and return at one fare for the round trip, from Chicago with return limit of August 9th, by depositing ticket. Transportation good on any of our three daily trains. Cheap rates to other eastern points. No excess fare charged on any train on Nickel Plate Road. Individual Club Meals ranging in price from 35c to \$1.00; also service a la carte, in Nickel Plate dining-cars. Write John Y. Calahan, General Agent, 143 Adams St., Room 298, Chicago, for particulars. Chicago city ticket offices, 111 Adams St. and Auditorium Annex. Phones Central 2057 and Harrison 2208.

11.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Etruria	1	Sat. July 9	July 16
Liverpool.....	"	Lucania	1	Sat. July 16	July 23
Liverpool.....	Boston	Saxonia	1	Tues. July 5	July 13
Glasgow.....	New York	Laurentian	2	Sat. July 9	July 19
Liverpool.....	Montreal	Bavarian	2	Thur. July 7	July 16
Liverpool.....	"	Parisian	2	Thur. July 14	July 23
Hamburg.....	New York	Bleucher	3	Thur. July 7	July 17
Hamburg.....	"	Moltke	3	Thur. July 14	July 24
Hamburg.....	"	Pennsylvania	3	Sat. July 16	July 26
Copenhagen.....	"	Oscar II	4	Wed. July 13	July 23
Glaagow.....	"	Columbia	5	Sat. July 9	July 19
Glasgow.....	"	Anchoria	5	Thur. July 14	July 24
London.....	"	Mesaba	6	Sat. July 9	July 19
London.....	"	Minnetonka	6	Sat. July 16	July 26
Liverpool.....	"	Majestic	7	Wed. July 6	July 13
Liverpool.....	"	Cedric	7	Fri. July 8	July 15
Liverpool.....	"	Oceanic	7	Wed. July 13	July 20
Liverpool.....	Boston	Cretic	7	Thur. July 14	July 21
Genoa.....	"	Romanic	7	Sat. July 9	July 24
Southampton.....	New York	Philadelphia	8	Wed. July 6	July 13
Southampton.....	"	St. Louis	8	Wed. July 13	July 20
Antwerp.....	"	Finland	9	Sat. July 9	July 19
Antwerp.....	"	Vaderland	9	Sat. July 16	July 26
Havre.....	"	La Touraine	10	Sat. July 9	July 19
Havre.....	"	La Bretagne	10	Sat. July 16	July 26
Rotterdam.....	"	Rotterdam	11	Sat. July 16	July 26
Genoa.....	"	Citta di Torino	12	Mon. July 4	July 19
Genoa.....	"	Sardagna	12	Mon. July 11	July 26
Bremen.....	"	K. Wil. Der Groasse	13	Tues. July 5	July 12
Bremen.....	"	Fredrick derGrasse	13	Sat. July 9	July 19
Bremen.....	"	Kronprinz Wilh.	13	Tues. July 12	July 19
Bremen.....	"	Bremen	13	Sat. July 16	July 26
Liverpool.....	Boston	Canadian	14	Sat. July 9	July 19
Liverpool.....	"	Cestrian	14	Sat. July 16	July 26
Liverpool.....	Montreal	Cambraman	15	Thur. July 7	July 16
Liverpool.....	"	Canada	15	Thur. July 14	July 22

* See steamship list on opposite page.

AMERICAN FLORIST COMPANY'S

DIRECTORY

FOR 1904.

THIS 1904 Trade Directory is fully revised to date, with thousands of new names and changes of addresses. It contains 412 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada. These lists are arranged both by states and all alphabetically. It also contains lists of Firms that issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Leading Foreign Houses, and much other conveniently indexed and valuable trade information.

PRICE \$2.00 POSTPAID.

THE AMERICAN FLORIST CO.
324 Dearborn Street,
CHICAGO, ILL., U. S. A.

FOURTH OF JULY.

One fare for the round-trip, plus twenty-five cents, July 2nd, 3rd and 4th, within two hundred miles from starting point on Nickel Plate Road. Return limit July 5th. Chicago Depot: La Salle and Van Buren Sts. City Ticket Offices, 111 Adams St. and Auditorium Annex. Telephones Central 2057 and Harrison 2208.

GALAX LEAVES.

Brilliant Bronze or Green. Selected stock, full count, \$1.00 per 1000; \$3.75 per 5000.
Sphagnum Moss, clean picked stock, large bale, \$1.75 each; by freight, \$2.00 each.
All Kinds of Decorative Greens and Florists' Supplies.
Tel. 597 Madison Square. **L. J. KRESHOVER,**
110-112 W. 27th St., New York.

RICE BROTHERS

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Lands You at the Gate.

All the most important trains of the **WABASH RAILROAD** now run into St. Louis by way of World's Fair Grounds, stopping at Wabash World's Fair Station, located at the Main Entrance.

The **WABASH** is the only line that sells tickets and checks baggage direct to the World's Fair main gate.

Excursion tickets on sale daily. Very low rate coach tickets sold twice a week. Write for full particulars, and a copy of folder containing a map of St. Louis and the Fair Grounds.

F. A. PALMER, Asst. Gen. Pass. Agent,
311 Marquette Building, CHICAGO.

Please mention the American Florist when writing.

Fancy Roses Everything Fancy Carnations

...in...
PITTSBURG CUT FLOWER COMPANY, Ltd,
504 Liberty Avenue, PITTSBURG, PA.

A Daily Cut From 40 Growers

"Highest Qualities"
AS WELL AS
"Under Grades"
At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR
Cut Flower Wants
TO ADVANTAGE.
Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,
E. F. Winterson, John P. Degnan, L. H. Winterson,
Successors to McKellar & Winterson.
45-47-49 Wabash Avenue, CHICAGO.

J. M. McCULLOUGH'S SONS

WHOLESALE
FLORISTS

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS
And Dealers in **FLORISTS' SUPPLIES**
All Kinds of
At Chicago Market Rates.

42-44 E. Randolph St., CHICAGO.

Brant & Noe Floral Co.,

CROWERS OF
Cut Flowers at Wholesale.
Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

Peter Reinberg,

51 Wabash Ave., CHICAGO.
Wholesale Cut Flowers.

Largest grower in the world. All flowers are perfectly fresh and properly packed. No charge for P. & D. on orders over \$5.00.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention, June, 1905.



First Vice-President L. L. May.
(American Seed Trade Association.)

CABLE advices June 27 show a decline of 5 francs on white Roman hyacinths.

CHARLES HENDERSON, of Peter Henderson & Co., New York, is on his vacation.

SEE page 919 for group picture of seedsmen at the St. Louis convention, June 21-23.

INQUIRIES are being made by the German consul concerning firms who largely import grass seed.

VISITED CHICAGO: A. Haag, representing Conrad Appel, of Darmstadt, Germany; B. Suzuki, en route to Japan.

POTATOES.—There was an active trade in new potatoes, June 27, in Chicago, and prices were 5 cents higher for choice stock.

ROBERT BUIST, of Philadelphia, Pa., sails from New York to Europe by the steamship St. Louis, July 2, to be absent until September.

LAST week's issue, page 897, contains a full account of the twenty-second annual convention of the American Seed Trade Association.

EDWARD ROSE, for six years with W. W. Rawson & Co., of Boston, Mass., has gone with Skelton Hoat Co., Cambridge. A handsome testimonial was presented him when leaving.

SAN JOSE, CAL., June 27.—Extreme heat two weeks ago shows decided effect on the radish crop, having reduced the yield thirty to fifty per cent. Sweet peas have not improved since last report.

SEEDSMEN, growers and dealers, who could not attend the St. Louis convention of the American Seed Trade Association will find the paper on "The Ideal in Seed Growing," by W. W. Tracy, Sr., which appears on page 917, of much interest.

Latest News of French Bulbs.

TOULON, FRANCE, June 17, 1904.—The president of the Syndicate of Defense of Agricultural Interests at Toulon (commonly known as the Bulb Growers' Syndicate) gives account of the events which have occurred the past two weeks. The syndicate, considering that the American importer with whom they had an engagement can not execute his contract, decides to continue as in former years and assure the success of the growers by maintaining the prices fixed by the syndicate and already accepted by the dealers.

American Seed Trade Association.

The following were incorrectly given or omitted in our list of those in attendance at the St. Louis convention, page 897 of last issue: A. C. Brown, Springfield, Ill.; A. J. Brown, Grand Rapids, Mich.; Chas. S. Burge, S. W. Flower & Co., Toledo, O.; O. H. Dickinson, B. L. Bragg Co., Springfield, Mass.; D. P. Durban, Alexander Seed Co., Augusta, Ga.; L. P. Funk, Funk Bros. Seed Co., Bloomington, Ill.; Chas. E. Heckle, Otto Schwill & Co., Memphis, Tenn.; Frank Hoermann, Terre Haute, Ind.; J. Wm. Jefferson, National Seed Co., Louisville, Ky.; F. D. Meier, Sleepy Eye, Minn.; R.



President Charles N. Page.
(American Seed Trade Association)

Nicholson, Texas Seed & Floral Co., Dallas, Tex.; M. B. Templin, The Templin Co., Calla, O.

PRESIDENT-ELECT CHAS. N. PAGE.

Chas. N. Page, who was elected president of the American Seed Trade Association, at the St. Louis convention last week, is the son of Gen. C. W. Page, of Clyde, O., where he was born on May 29, 1860. In 1868 the family removed to Omaha, Neb., and after Gen. Page's death settled in Des Moines, Ia., in 1876. The following spring (1877) Mr. Page entered the employ of S. L. Fuller & Co., the seed dealers of Des Moines, and he remained with the same firm and their successors, C. W. Dorr & Co., until their business was sold in 1886 to the Iowa Seed Co., a new concern organized and managed by him. He has also been actively identified with educational interests both as a director in the city schools and as trustee and member of

the executive committee of the Des Moines College. During his twenty-seven years experience in the seed trade in Des Moines he has seen the business grow from such small proportion that less than 500 orders were received per annum to a mail order seed trade which frequently receives 2,000 orders or more per day. Mr. Page has been actively identified with the best work of the association for a number of years.

The Spring Trade.

We have received a number of reports on the business of the past spring as follows:

Johnson & Stokes, Philadelphia.—Comparing our business of the season just closed with that of 1903, we find there was a slight decrease of sales in January, February and March, but with April came a volume of business far in excess of any previous record, and this continued well up to the end of May, making the total nicely in excess of the previous year. Many record prices were made. For onion sets we paid \$12 per bushel and sold out readily at 50 cents per quart. Country Gentleman corn at \$12 and Stowell's Evergreen at \$8 found ready sale. Orders for field corn were very difficult to fill with a satisfactory article. It was a curious, nerve-racking season and we all want to go fishing.

W. Atlee Burpee Company, Philadelphia, Pa.—We did not have quite as large a trade during the month of March as we did during the season of 1903, yet our total business up to the last day of March was a little ahead of a year ago, and the gains in April and May were very large, making in all the largest year's trade that we have ever handled. The close of the season finds us completely cleaned out of a great many varieties of seed, the demand having been especially heavy on beans, sweet corn and cucumber seed.

Vaughan's Seed Store, Chicago and New York.—This season's seed trade with us to date is in general satisfactory. While the business was delayed owing to severe weather the later months have on the whole made up, and except for the fact that certain lines of stock have not cleaned out as well as desired, there is little reason for complaint.



Second Vice-President W. H. Grenell.
(American Seed Trade Association.)

Vaughan's Seeds for Summer Sowing



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. It contains some of the Giant sorts, some Fern-leaved, some blue; also some with dark leaves and stems. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone.

Price for International Mixture: Packet of 350 seeds \$.50
5 packets, 1750 seeds 2.00
Per 1-16 oz. 2.50

CHINESE PRIMULAS WITH FRINGED FOLIAGE.

PRIMULA SINENSIS FIMBRIATA.

	250 seeds	1000 seeds	
Alba, pure white	50c	\$1.50	
Chiswick Red, bright red	50c	1.75	
Kermasina Splendens, crimson	50c	1.75	
Atrosanguinea, brightest deep red	50c	1.70	
Alba Magnifica, snow white, of excellent form and habit	50c	1.70	
Peachblossom, beautiful white with pink hue	50c	1.70	
Blue, a clear sky blue	50c	1.70	
New Upright Deep Velvety Red	50c	1.75	
Rosea, a bright pink	35c		
Mont Blanc, new, large, pure milk-white flowers	50c		
Striata, white and lilac striped	35c		
Primula, mixed, a splendid variety	1/2 oz., \$3.00	25c	1.25

NEW PRIMULA BUTTERCUP, 1000 seeds, \$1.00.

Sow now for Christmas trade. Write for sheet describing plant, mailed free for the asking.

Calceolaria Hybrida.

Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties, and we know it will give entire satisfaction. Trade pkt., 1000 seeds, 50c.

Gloxinia Hybrida.

VAUGHAN'S MIXTURE.

This mixture is made up by ourselves from the choicest scotted, tigered, edged, marbled and splash-ed sorts of the upright and horizontal type, and includes such new sorts as Emperor William and Frederick, Princess Louise, Defiance, etc., and we know that better seed is not to be had at any price. Trade pkt., (1000 seeds) 50c; 3 pkts. for \$1.25.

VAUGHAN'S GIANT-FLOWERED CYCLAMEN.

PURE WHITE	Per 100 seeds, 75c.
DARK CRIMSON	Per 1000 seeds, \$5
ROSA VON MARIENTHAL, "Daybreak Pink"	250 seeds of a color at 1000 rate.
DARK ROSE	
WHITE with CARMINE EYE	

GIANT-FLOWERED CYCLAMEN extra choice mixed. Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5000 seeds, \$20.00.

This mixture is made up from the above separate colors.

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

This is a vast improvement on the widely advertised "Papilio" or Butterfly Cyclamen. The edges of the petals are frilled, fringed and curled and the colors range from the purest white through delicate pink, to rose and crimson. It is the best there is in Cyclamen to date.

No. C 100. Lilac Colored	10 seeds, 30c; 100 seeds, \$2.50
No. C 101. Dark Red, fringed	Each 10 seeds, 25c. 25 seeds, 50c. 100 seeds, \$1.75. Giant Orchid-Flowered Cyclamen in mixture 25 seeds, 40c; 100 seeds, \$1.50.
No. C 102. Pink, fringed	
No. C 103. Pure White	
No. C 105. White, with Red Eye	
No. C 108.	



CINERARIA HYBRIDA.

VAUGHAN'S COLUMBIAN CINERARIA.

Like our International Pansy Mixture, this strain has given unusual satisfaction. It consists of a mixture made up by ourselves of the choicest English, French and German strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt., (1,000 seeds) 50c; 3 pkts., \$1.25.

Trade Pkt.

New large flowering Cineraria, "Old Rose"	50c
Cineraria Hybrida, fine large flowering mixed	500 seeds, 25c
Hybrida Grandiflora Nana, best mixed dwarf	25c
Hybrida Plenissima, extra choice mixed, double	50c

Per 100 seeds, 75c. Per 1000 seeds, \$5. 250 seeds of a color at 1000 rate.

VAUGHAN'S SEED STORE,

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Henry Mette, QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Beet, Vegetable and Flower Seeds

PANSIES.

Mette's "Triumph of the Giants" the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per 1/2 oz.; 75c per 1-16 oz. Postage paid. Cash with order. Please mention the American Florist when writing.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively. J. J. Styer, Concordville, Pa.



PANSY SEED.

Boddington's "Challenge" a mixture of the choicest strains of five leading Pansy Specialists of America and Europe. All large flowers of good substance in an infinite variety of color and markings. New crop seed, ready July, trade pkt., \$1.00; 1/4-oz., \$2.00; per oz., \$5.00.

Mignonette Seed. Boddington's "Majesty" the finest of all fancy varieties of Mignonette. An improvement on "New York Market." Seed saved only from select spikes under glass. Per trade pkt. of 2,000 seeds, \$1.00.

ARTHUR T. BODDINGTON, 35 Warren St., New York.

Please mention the American Florist when writing.

LILY of the VALLEY PIPS

FROM COLD STORAGE.

In original cases of 500, 1000, and 2,500. Prices on application.

CHAS. F. MEYER, 99 Warren St., NEW YORK.

CABBAGE, Late, Flat Dutch, Drumhead and Burpee's Surehead; nice plants. TOMATOES, Stone, Liv. Beauty, Paragon and Royal Red. 75c per 1000; \$8.50 per 10,000 Cash. Adams and U. S. Express. BYER FLORAL CO., Shippensburg, Pa.

INDIANAPOLIS, IND.—H. H. Tall has been appointed florist at Garfield park to take the place made vacant by the removal of Harry Stanley.

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....

MEMBER OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co., CHICAGO.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

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

SEE page 918 for group picture of nurserymen at the Atlanta, Ga., convention, June 22-24.

THE brilliant crimson Weigela Eva Rathke should have a prominent location in every shrubby border.

TARRYTOWN, N. Y.—John D. Rockefeller has placed an order for 10,000 evergreens with the F. R. Pierson Company.

LAST week's issue, page 898, contains a full account of the twenty-ninth annual meeting of the American Association of Nurserymen.

GIFFORD PINCHOT, chief of the Bureau of Forestry, has had the honorary degree of Master of Arts conferred on him by Princeton College.

HUNTSVILLE, ALA.—The Alabama Nursery Company has completed the grading of a new pike to the nurseries near Mercury. Some new buildings are being constructed.

American Association of Nurserymen.

MR. KIRKPATRICK'S RESPONSE TO ADDRESS OF WELCOME.

Honorable Mayor, Ladies and Gentlemen:

We find much pleasure in the reception of your cordial welcome to this, the Queen City of the South. We thank you for the honor conferred upon us by this happy recognition.

We come from states far and near to this charming southland to meet and greet a people than whom none are more valiant and fair. Many of us come from homes where hoary old receding winter sets defiance to the smiles of advancing spring, and we have been ushered into this enchanting land of fruits and flowers and restful bowers.

We rejoice with you in this wealth of beauty of bloom and indulge the hope of aiding the work of extending the incomparable blessings that follow the art of horticulture.

We, the tree builders of America, have a work to perform in "this great country of ours" than which no other work is fraught with more importance to the welfare of man.

We come, in this annual meeting of all domestic and foreign states, to hold fraternal council and to regain renewed inspiration in the pursuit of the first and greatest art given man by hand divine.

We greet and your people, Mr. Mayor, in truest fraternal devotion and beg to lay claim to the honor of oft repeated visits by you to our respective homes, where we may make known to you how we value this glad welcome to Atlanta.

THE NURSERYMEN SEE GEORGIA PEACHES.

The party of about 200 nurserymen and ladies left Atlanta early on the morning of June 25 in a special train composed of five Georgia-built vestibule cars, generously placed at their disposal by the Georgia Railroad Company, and arrived at Mayfield about noon where they were joined by a number of railroad representatives and others from Augusta. The

manner in which the railroad looked after the comforts of the delegates is described as worthy of the highest praise.

After arrival at Mayfield the party was quickly conveyed in large spring wagons to the orchards of Berckmans Brothers. There after being refreshed with various cooling beverages served in the shade and resting themselves after their trip, the guests, about 250 in number, sat down in the shade of an immense walnut tree to a Georgia barbecue, that for manner of service and cooking of viands is said to have been unsurpassed. Nothing that is generally served at a repast of this kind was omitted, and many dishes that are usually served with more formal dinners were included in the feast. It was a revelation in open air banquets.

After the first pangs of hunger were appeased and satiety appeared, H. H. Cabaniss, of the Augusta Chronicle, in behalf of Louis, Robert and Allie Berckmans gave the visitors a ringing welcome. He paid the hosts many deserved compliments and spoke of the pleasure it gave them and to welcome to the finest fruit section in the country, those who were recognized as leaders in the industry. His speech was a most happy one and was roundly applauded. The response was made by E. W. Kirkpatrick, president of the National Nurserymen's Association. His remarks were appropriate and well received. Orlando Harrison, of Berlin, Md., was toastmaster and gracefully introduced the speakers, who one and all paid tribute to the cordial reception given them, as well as to the hosts. Among those who made informal talks were: C. L. Watrous, vice-president of the association; Jno. C. Chase, Derry, N. H.; J. M. Irving, of St. Joseph, Mo.; Frank B. White, Chicago, Ill.; G. L. Taber, Glen St. Mary's, Fla.; and Chas. T. Smith, Concord, Ga. The remaining time after the feast was spent in inspecting the orchards and packing house and methods of culture, etc.

The delegates to the convention left the hospitable shelter of the Messrs. Berckmans in the afternoon, embarking on the train for Macon, where the night was spent. Early in the morning of June 25 the party boarded a special train, graciously tendered by the Central of Georgia Railway Company, and in charge of officials of the road, and went through without stops to Fort Valley and Marshallville, where the immense orchards of the Hale Georgia Orchard Company, the Albaugh Orchard Company, the Ohio Fruit Land Company and S. H. Rumph were inspected. These orchards were thrown wide open to the visitors, and conveyances furnished to carry the delegates through the sea of peach trees. Refrigerated specimens of the various ripe varieties were dispensed to the visitors and cool and refreshing beverages served.

A delightful visit was made to the handsome and comfortable home of Samuel H. Rumph, the "father of the Elberta" peach, where delicious punch and peaches were served on the spacious veranda of his home. A crate factory was visited, where was shown the methods of the manufacture of the peach crates and baskets. After a most enjoyable day of sight-seeing and investigation the party was swiftly transported back to Atlanta over the Central of Georgia road, where they dispersed, going to their respective homes all over the country, and all voting that the most enjoyable and profitable convention of the association that has ever been held has just come to a close.

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THE BEST ROSE NOVELTY

Dwarf
Crimson
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Catalogue free on demand. Headquarters for the famous Colorado Pine Spruces, purest, bluest strain. Please mention the American Florist when writing.



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Manetti Rose Stocks for grafting. Forcing Lilacs, Lily of the Valley, Palms, Bay and Box Trees, Decorative Plants and Shrubs, Etc.

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VAN DER WEIJDEN & CO.,

"The Nurseries," BOSKOOP, HOLLAND.

Wholesale } Ornamental Stock, Shrubs, Clematis,
Growers } H. P. Dwarf and Standard Roses, pot-
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— Ask for prices. Catalogue free. —
First-class stock at moderate prices.

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ATTENTION NURSERYMEN AND FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Paeonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. W. VAN KLEEF & SONS,
The Nurseries, Boskoop, Holland.

The Cottage Gardens Co.

(Incorporated.)

Queens, Long Island, New York.

Nursery Book, giving descriptions of nursery stock, peonies, etc., mailed upon application.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Jacs. Smits, Ltd.

NAARDEN and BOSKOOP, HOLLAND,

Growers of Pot-grown Forcing Plants, Roses, Valley, Spiræas, Evergreens and all kinds of Ornamental Nursery Stock.

Ask for price list and let us estimate on your list of wants. Address till June 1st. JACS. SMITS, care Mallus & Waa, 136 Water St., New York.

WHY DON'T YOU GROW PEONIES?

IT PAYS
TO SELL THE
FLOWERS.

PEONIES

IT PAYS
TO SELL THE
PLANTS.

ORDER AT ONCE.

SURPLUS LIST FOR FALL OF 1904.

These varieties have all bloomed on our place and are true to name and not at all mixed. The sizes given are as follows:

SMALL are plants of one or two stalks of this year's growth. One year since divided. **MEDIUM** are plants of three to five stalks of this year's growth. Two years since divided. **LARGE** are plants of six or more stalks of this year's growth. Three years since divided.

Customers wishing a few plants we refer to our illustrated retail catalogue, where full descriptions are given. Not less than ten plants of a kind can be ordered at the prices given here.

The larger sizes can be cut for division on a basis of three good plants to each five stalks. Any peony plant is much surer to bloom and will be 20 per cent stronger if moved in September, so that new roots may form before freezing down. This gives a great advantage to home-grown stock over imported plants, which invariably come too late. These prices are also for larger plants than are usually sent from Europe and are, in fact, lower than the same varieties can be bought for in Europe. Besides, **WE GUARANTEE OUR STOCK TRUE AND WILL REPLACE WITH THREE ANY PLANT WHICH PROVES NOT TRUE TO NAME.**

We begin shipping early in September when orders will be filled in rotation. We make no charge for packing.

We also issue a list of 56 other sorts of which we have only a few plants to offer; sent free on request.

WHITE.

- No. 3. **Mount Blanc or Solfatara**—(Calot), early, fragrant; small, 40c each; medium, 75c each; large, \$1.00 each.
- No. 4. **Festiva Maxima**—True, 40 inches tall; small, 60c each; medium, \$1.25 each; large, \$2.00 each.
- No. 6. **Festiva**—(Drop White of the Chicago Market), 100 medium, 75c each.
- No. 7. **Queen Victoria**—(Whitley), best keeper and shipper; small, 20c each; medium, 35c each; large, 50c each.
- No. 15. **Humea alba**—Like a Daybreak pink; 20 small, 30c each; 30 medium, 50c.
- No. 18. **Papaveriflora**—Paper white, midseason; 25 medium, 50c each.
- No. 20. **Golden Harveel**—Fancy peony with pink guard; small, 40c each; medium, 75c each; large, \$1.00 each.
- No. 25. **Mme. Braon**—(Guerin), Blush guard; 50 medium, 40c each.
- No. 31. **Mme. Calot**—Midseason, faint blush guard; 50 small, 35c each.
- No. 35. **Virgo Maria**—Very large paper white; 20 medium, \$1.25 each.
- No. 37. **Duc de Wellington**—Long strong stem, 50 small, 35c each.
- No. 42. **Portia**—(Kelway variety), bomb shape, 15 medium, 50c each.

PINK.

- No. 102. **Baroness Schroeder**—(Kelway), delicate flesh; 20 medium, 75c each; 10 large, \$1.25 each.
- No. 103. **Pottai alba**—Faint pink, finishing white; 100 small, 60c each; 40 medium, \$1.25 each.
- No. 106. **Triomphe de l'Exposition de Lille**—Rose shape; 25 small, 60c each.
- No. 114. **Sidonia**—Fragrant deep pink; 15 medium, 35c each; 10 large, 50c each.
- No. 115. **M. Paillet**—Baby pink; 40 large, 75c each.
- No. 118. **Henry IV**—Rosy pink; 50 medium, 50c each.
- No. 119. **Dorchester**—(Richardson), blush white, 40 medium, \$1.00 each.
- No. 120. **Mlle. Rose Rendatier**—Late dark pink; 20 medium, 60c each; 10 large, 85c each.
- No. 127. **Virginie**—Baby pink; 20 medium, \$1.00 each.
- No. 132. **General Cavaignac**—Late, grand; 20 large, \$1.25 each.
- No. 136. **Edulis superba**—First to bloom; 50 medium, 40c each; 35 large, 65c each.
- No. 138. **Alexandre Dumas**—Very early, grand keeper; 75 large, 4 years old, \$1.25 each.
- No. 143. **Princess Ellen**—Blush white; 10 small, 35c each; 10 medium, 50c each.

- No. 152. **Dr. Andre**—Clear, solid pink, 20 medium, 50c each.
- No. 157. **Alice de Julvecourt**—Mixed salmon; 30 medium, 50c each; 25 large, 75c each.
- No. 164. **Modele de Perfection**—Clear, solid pink, bomb center, large guard; 10 medium, \$1.50 each.
- No. 179. **Melanie Henry**—Large, early; 30 medium, 75c each; 25 large, \$1.00 each.
- No. 617. **Lady Carrington** (Kelway)—5 small, 30c each; 20 medium, 50c each.
- No. 670. **Clarissa**—Rosy pink; 12 small, 25c each; 30 medium, 40c each.
- No. 671. **Dortone Coros**—Bright pink, 25 medium, 40c each.

ROSE.

- No. 203. **Rosea superba**—Late rose, no stamens; 100 medium, 40c each.
- No. 208. **M. Barral**—Clear, solid late rose, 100 small, 60c each; 40 medium, \$1.00 each.
- No. 210. **Chas. Verdier**—Most fragrant late; 100 large, 50c each.
- No. 218. **Mme. Colasler**—Large, massive; 30 medium, 60c each.
- No. 222. **Mme. Muysart**—Deep rose, 40 small, 60c each.
- No. 227. **Souvenir de Gaspard Calot**—Fine, light rose; 60 medium, 75c each.
- No. 230. **Mme. Louise Mere**—Late rose; 20 medium, 50c each.
- No. 231. **Gen. Lawton**—Large rosy pink; 20 small, 35c each; 40 medium, 50c each.
- No. 256. **Constant Devrad**—First rosy purple; 40 medium, 40c each; 15 large, 60c each.
- No. 265. **Duc de Cazes**—Very large, deep guard; 25 medium, 35c each; 20 large, 50c each.

RED.

- No. 300. **M. de Ribert**—Crimped center, no stamens; 25 medium, 50c each.
- No. 301. **Augustin D'Hour**—Cardinal bomb; 50 medium, 60c each.
- No. 311. **Purpurea Delachel**—Large full black; 100 small, 35c each; 30 large, 4 years old, \$1.25 each.
- No. 320. **Comte de Diesbach**—Early bomb, 40 medium, 50c each.
- No. 323. **Marechal de Mac Mahon**—Massive bomb; 25 medium, 60c each.
- No. 329. **Bossuet**—(Currant red); 20 medium, 50c each.
- No. 335. **Rubra Superba** (Richardson)—Best, latest deep crimson with no stamens, 25 small, 40c each; 100 large, \$1.00 each.
- No. 341. **Meissonier**—Mid-season, deepest black, no stamens; 25 large, 75c each.
- No. 672. **La Sublase**—Glowing crimsoo, 25 medium, 50c each.

PETERSON NURSERY,

164 La Salle St., (480 Acres in ORNAMENTAL STOCK) CHICAGO.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

The team selected to represent the Florists' Club at the S. A. F. tournament at St. Louis in August will get down to hard work in the short time yet intervening before the big event. Each Tuesday evening at Mussey's alleys a practice series will be rolled. The admirers of the local bowlers are more than sanguine as to the results at St. Louis, and many are already talking of cashing in.

At Philadelphia.

The last contest in the current series of matches to determine the teams developed no very large scores. "Robby's" team defeated the Yates aggregation easily, Robby having the high total with 543, as well as high single game, 205. Point winners were: Yates 2, Connor 3, Anderson 2, Kift 2, Robertson 3, Adelberger 1, Watson 2, Westcott 3. The scores follow:

PLAYER.	1st	2d	3d
Yates.....	145	169	184
Connor.....	153	166	153
Anderson.....	171	144	161
Kift.....	156	126	169
Harris.....	84	125	90
Total.....	713	730	757
PLAYER.	1st	2d	3d
Robertson.....	205	167	171
Adelberger.....	198	139	135
Watson.....	169	179	124
Westcott.....	150	182	151
Burton.....	149	144	114
Total.....	871	811	695

Extract from the Log of the Waretown Rod and Gun Club, June 24, 1904.

Fourth annual outing, June 24, 1904; weather warm, plenty of wind. White caps on bay. No mosquitoes. Among those present were the following:

- Wm. R. Smith, Washington, D. C.
- Edwin Lonsdale, Philadelphia.
- C. H. Eimerman, Philadelphia.
- John Burton, Chestnut Hill, Pa.
- Wm. F. Gude, Washington, D. C.
- Andreas Lafler, Washington, D. C.
- Thos. J. Groves, Atlantic City, N. J.
- Robt. Craig, Philadelphia.
- E. N. Savoy, Philadelphia.
- Daniel D. Donoghue, Philadelphia.
- Richard Lynex, Atlantic City, N. J.
- H. R. Lake, Philadelphia.
- Robt. Kift, Philadelphia.
- Geo. Craig, Philadelphia.
- W. S. Griffin, Frankford, Pa.
- J. C. Vaughan, Chicago.
- William H. Westcott, Philadelphia.
- William B. Westcott, Philadelphia.
- Geo. Anderson, Philadelphia.
- John W. Dunham, Philadelphia.
- A. Y. Hanna, Philadelphia.
- Geo. Redford, Ardmore, Pa.
- W. K. Harris, Philadelphia.
- C. J. Rainear, Philadelphia.
- C. W. Rainear, Philadelphia.
- F. R. Rainear, Philadelphia.
- Wm. Barnard, Philadelphia.
- John Westcott, Philadelphia.
- David Rust, Philadelphia.
- J. Liddon Pennock, Philadelphia.

Most of the foregoing members of the club came down on the early train from Philadelphia on Friday morning. They were met at the station by conveyances, and after a short stay at the homestead for refreshments reached the club house in good shape, where the commodore was waiting to welcome them with the flag at the peak and the latch string out.

By some occult instinct the thirsty ones soon discovered the location of the punch bowl, and they declared with enthusiasm that the hand of the commodore had lost none of its cunning and the colonels of Kentucky would have to look to their laurels. Dinner was served at 1 o'clock to twenty-nine guests, probably the largest party the club has ever had on any one occasion. The party was joined by Chas. J. Rainear and friends, who came down the bay in his yacht, a much admired craft, sloop rigged, very fast and a beauty. J. Liddon Pennock also paid a visit from his yacht. Mr. Rainear took several of the visitors out for a sail in the afternoon, others amused themselves with quaits, some listened to the graphophone, and every one found amusement of some kind, so that the time flew all too quickly. Messrs. Anderson, Rust and Harris had to go home on the afternoon train on Friday, for which they were sorry, as they missed much of the best of the entertainment of the evening. Bo's'n Kift officiated at the stereopticon and gave a vivid and picturesque series of views selected during his recent trip among the effete monarchies of the old world. R. Lynex, the veteran and seemingly immortal Richard, of whom it may be said (like Shakespeare's hero) that

Time cannot wither nor custom stale, gave vent to the fullness of his joy in song, so glad was he to be with his old friends again, especially his old chum, John Westcott, the original and only commodore. By the time all this was over and some violin solos had been listened to from Messrs. Lake and Groves it was time to go to bed, where all went except such graceless and reckless people as Hanna, Dunham, Eimerman, Kift, Vaughan and Burton, who were hell bent on making a full night of it. After doing his best to dissuade them the commodore gave them another drink and sang

The smoke goes up the chimney just the same, after which he left them and went below to his cabin. When the commodore arrived on the scene the next morning the orators were still at it in broad daylight, with the gas burning and the discussion raised to a surprising pitch. It is not known who got the honors, but Jack was heard to mutter a good deal to himself and became very absent minded, which was a bad sign for him, and "J. C." was certainly leading. Nothing uplifts the soul of a Chicago man like doing up opponents. Then he is in the proper mood to glory in everything, the people around him, the beauties of nature and the goodness of the Most High. For proof of it listen to this impromptu ode by the aforesaid "J. C.," the irrepressible overflow of the joyful Chicago spirit from having skinned 'em alive:

- The summer sun
Rose tints the bay
At break of day
At Barnegat.
- Atlantis sends
Her softest breeze
From o'er the seas
At Barnegat.
- Like things of life
Fly, wheel and float
Those fishing boats
At Barnegat.
- Green meadows fade
In purple haze
These summer days
At Barnegat.
- No moon of June
Ere sheds her light
As on these nights
At Barnegat.

A number of the guests left on Saturday morning, among them being an old and much loved friend of the commodore and all members of the club, William R. Smith of Washington, D. C., who was accompanied by Wm. F. Gude of the same city. Both of these gentlemen are ex-presidents of the national society, the S. A. F., and with Messrs. Craig, Lonsdale and Burton made no less than five ex-presidents gathered together under one roof to grace the occasion. The balance went home, with the exception of Messrs. Lynex and Groves and the commodore, who left on Monday morning, thus bringing to a close the most successful and enjoyable opening party that the club has ever had. A feature of the occasion was the presentation of a handsome deer's head by J. C. Vaughan of Chicago for the decoration of the club house, which was accepted with appropriate thanks by the commodore, and a record of same ordered to be entered in the log. And so good-bye for the present. Happy to meet, sorry to part, happy to meet again. GEORGE C. WATSON, Keeper of the Log.

LAWRENCE, MASS.—Thornton Brothers will remove to a new and spacious store in the Gleason block.

Freesia Bulbs.



Bermuda White-Flowered.

This is the purest strain of white-flowered Freesias in existence.

Choice, 3/8 to 1/2-inch, per 100, 65c; per 1000, \$7.50.

Mammoth, 1/2 to 3/4-inch, per 100, \$1.00; per 1000, \$9.00.

Write for copy of our Import Bulb Catalogue.

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To the American Trade

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Are the result of many years'

PRACTICAL EXPERIENCE

And have been used by Gardeners all over the world for over a

QUARTER of a CENTURY

Are perfect plant foods and stimulants. Are becoming more popular every year.

Freight paid on quantities.

Most liberal terms to the trade.

Write for our Special Trade Terms and for Descriptive Circulars, Testimonials, Etc., to SOLE MAKERS,

Wm. Thomson & Sons, Ltd

TWEED VINEYARD.

CLOVENFORDS, Scotland.

SEASONABLE STOCK! Order Now!

	Per 100		Per 100
ASPARAGUS DECUMBENS, 2½-inch	\$ 4.00	FERNS, ADIANTUM CUNEATUM, 3-inch	\$ 6.10
" MYRIOCLAUDUS, 8-inch pots	each, \$7.00	" " " 4-inch	15.00
" PLUMOSUS SEEDLINGS	per 1000, \$20.00	" " " 5-inch	25.00
" PLUMOSUS, 2½-inch	4.00	GERANIUMS, Mt. Snow; Mrs. Parker	4.90
" " 3-inch	7.00	" Mrs. Pollock	5.00
" " 4-inch	15.00	" Wm. Languth	8.00
" " 5-inch	25.00	LANTANA, Weeping	2.50
ABUTILON, Pres. McKinley	4.00	LEMON, American Wonder, 2½-inch	3.00
AGERATUM, Princess Pauline, Louis Bonnet	2.00	" " 3-inch	4.00
ALYSSUM, Double Giant	2.00	" " 4-inch	7.00
ACALYPHA, Bicolor Compacta, 2½-inch	3.00	PELARGONIUMS, best named sorts, 2½-inch	5.00
CALLA, Little Gem, 2-inch	3.00	" " best named sorts, 4-inch	12.50
CYPERUS ALTERNIFOLIUS	2.50	PENNISETUM LONGISTYLUM, 2½-inch	4.00
CHRYSANTHEMUMS, best standard sorts	2.50	PHYLLOCACTUS DEUTSCHE KAISERIN, 3-inch	15.00
" " Wm. Duckham	doz., \$2.00	PRIMULA OBCONICA, 3-inch	4.00
" " Dr. Enguehard	doz., 5.00	PANDANUS UTILIS, 5-inch	doz., \$4.00
" " Golden Chain	10.00	SAGE, Holt's Mammoth	doz., 2.50
" " Chito, Col. D. Appleton, Mrs. T. L. Parks, Mrs. Jerome Jones, Mrs. Robinson, Mrs. Perrin, Superba, White Bonaffon, Yellow Jones, Marian Newell, Marie Liger, Omega, W. H. Chadwick, Yellow Eaton, 2-inch pots	2.00	ROSES, Clothilde Souper 2-inch	3.00
CYCAS STEMS	per 100 lbs., \$8.00	" " " 3-inch	6.00
DRACAENA BRUANTI, 5-inch pots, 24-inch high	doz., \$5.00	" " " 4-inch	10.00
FERNS, BOSTON, 2½-inch, very strong	5.00	" Mad. Petite Andre, 3-inch	7.00
" " 3-inch, very strong	10.00	" American Beauty, 3-inch	\$8.00, 4-inch, 12.00
" " 4-inch, very strong	20.00	" Bridesmaid, 2½-inch	3.50, 4-inch, 8.00
" ADIANTUM FARLEYENSE, 2½-inch	8.00	" Bride, 2½-inch	3.50, 4-inch, 8.00
" " " 3-inch	12.00	" Golden Gate, 2½-inch	3.50, 4-inch, 8.00
" " " 4-inch	25.00	" Ivory, 2½-inch	3.50, 4-inch, 8.00
" " CHARLOTTE, 4-inch	15.00	" Liberty, 2½-inch	6.00
		" Meteor, 2½-inch	3.50, 4-inch, 8.00
		" Perle, 2½-inch	4.00, 4-inch, 10.00
		" La Detroit, 3-inch	25.00
		" Mme. Abel Chatenay	6.00

VAUGHAN'S SEED STORE, Chicago. Greenhouses and Nurseries, Western Springs, Ill.

BEDDING PLANTS.

	Per 100
Ageratum, Gurney, Queen Victoria, 2-inch	\$2.00
Alternanthera, red, yellow, 2-inch	2.10
Asters, transplanted, Simple in colors, \$8.00 per 1000.	
Begonia Vernon, transplanted from flats, \$1.00 per 100; 2-inch, in bloom	3.00
Cannas in variety, strong 3-inch	6.00
Dusty Miller, strong 2-inch	2.00
Coleus in variety and fancy mixed, 2-inch	2.00
Geraniums, Nutt, Heteranthe, Perkins, double white, A. Riccard, Poitevine, Viand and 10,000 other varieties, 4-inch, \$8.00; 3-inch, \$5.00; 2-inch, strong	3.00
10,000 Mme. Sallerol, strong, 3-in., \$3.00; 2-inch	2.50
Ivy Leaved, mixed, 4-inch, \$10.00; 3-inch	6.00
Fuchsias, very strong, 3 inch, \$5.00; 2-inch	2.50
Glechoma Hederacea, 2-inch, strong	5.00
Honysuckle, Golden climbing for window boxes, 3-inch	10.00
Lantanas, in bloom, very fine, 3-inch	6.00
Lemon Verbenas, fine 3-inch	6.00
Lobelia Compacta, Speciosa and Bedding Queen, 2-in., \$1.00; strong, bushy from flats	1.00
Myrtle, Creeping, hardy, strong, 2-inch	2.00
Phlox, Drummond, 2-inch, \$2.00; from flats	1.00
Hardy mixed, good new, 2-inch	5.00
Petunias, double, strong, 2-inch	2.50
Verbenas, 5,000 in color, 2-inch, \$2.00; from flats, transplanted	1.00
Vincas, very strong, 4-inch, \$12.50; 3-inch, \$8.00; 2-inch, \$2.50; small 2-inch \$2.00.	

Cash with order. Satisfaction guaranteed.
LUDVIG MOSBAEK, So. Chicago and Onarga, Ill.
 Please mention the American Florist when writing.

POINSETTIAS

July and August Delivery.
 Strong, 2½-in., \$6.00 per 100; \$50.00 per 1000
 Strong, 3-inch, 8.00 per 100; 65.00 per 1000
 25 at hundred rate. Terms cash. Satisfaction guaranteed.

BAUR FLORAL CO, Erie, Pa.
 Please mention the American Florist when writing.

Houghton, Mich.—In a large fire here June 14, A. York's store was damaged \$1,000.

ORCHIDS

We beg to announce the arrival in superb condition of the following:
CATTLEYA TRIANA, CATTLEYA LABIATA, CATTLEYA GASKELLIANA and CATTLEYA SPECIOSISSIMA. Also **ONCIDIUM VARICOSUM ROGERSII, O. SPLENDIDUM, LAELIAS, DENDROBIUMS** and many more. Write for special list of the above.

LAGER & HURREL, Summit, N. J.

Orchid Growers and Importers.

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SPECIALTIES

ROSES, from 3-inch pots, In Best
CARNATIONS, for all delivery,
CHRYSANTHEMUMS, Varieties
SMILAX, VIOLETS.
 Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.
 Please mention the American Florist when writing.

GIANT CYCLAMENS

My Specialty.

3-inch, \$8.00 per 100. Extra fine stock.

G. WINTERICH, Defiance, O.
 Please mention the American Florist when writing.

SMILAX 2,000 fine, clean plants, 2½-inch, \$2.00 per 100; \$18.00 per 1000. 500 at 1000 rate, cash. Sample 5c.
JOHN BEIMFORD, Winton Junction, Iowa.

GERANIUMS...

Rooted Cuttings. Fall Delivery.

Send for list of varieties now. You not only get a reduced price for early orders, but the cuttings can be shipped when just right.

Good cuttings will make good plants. I am going to give you good cuttings and want your orders whether for 100 or 20,000.

ALBERT M. HERR, Lancaster, Pa.

Celery PLANTS. Strong and Stocky, Guaranteed to arrive in good condition in good con- (No checks.)
 \$1.25 per 1000; \$10.00 per 10,000.

PETER J. SCHUUR, Kalamazoo, Mich.

Spring Show at Lenox, Mass.

The rose and strawberry exhibition of the Lenox Horticultural Society, held in the town hall, Lenox, Mass., June 22, was a great success.

In the scheduled classes Mrs. Robert Winthrop, S. W. Carlquist gardener, won first for collection of twelve varieties of H. P. roses, three blooms of each kind, one first and one second for strawberries, and first for gloxinias.

H. H. Cook, G. H. Thompson gardener, won a second for H. P. roses, a third for hardy roses, a first for hardy roses of one color, a second for perennials, and a second for vegetables.

M. K. Jessup, P. J. Donahue gardener, won a third for H. P. roses, a third for hardy roses, one color, a second for peonies, a second for perennials, a second for flowering shrubs, and a third for peaches.

G. Foster, E. Jenkins gardener, won first for six varieties of H. P. roses, first for vase of hardy roses, second for vase of hardy roses of one color, first for greenhouse roses, two firsts and a second for strawberries, second for gloxinias, first for vegetables, and first for melons.

Mrs. J. E. Parsons, W. Woods gardener, won a second for H. P. roses, a second for hardy roses, a first for perennials, and a second for vegetables.

W. D. Sloan won a second for strawberries, first for peonies, a first for perennials, first for flowering shrubs, second for peaches, second for nectarines, and second for melons.

Mrs. R. T. Auchmitz, J. Baker gardener, won a third for strawberries.

C. Lanier, A. H. Wingett gardener, won a third for peonies, and a third for vegetables.

J. Sloan won firsts for vegetables, peaches and nectarines.

A very complete and interesting exhibit of new and rare perennials, numbering over fifty varieties, was made by Mrs. J. E. Parsons. There were a number of special exhibits. The collection of new and rare perennials from Mrs. J. E. Parsons was awarded a diploma. G. Foster was awarded a diploma for collection of figs and cherries. Mrs. Robt. Winthrop was awarded a diploma for collection of fuchsias, which were superb. Mrs. G. Westinghouse was given a first class certificate for a general display of roses and perennials. G. G. Haven gained cultural commendations for Rex begonias, standard heliotropes, coleuses, Blanche Burpee sweet peas, grown outside, and gloxinias.

The F. R. Pierson Company, Tarrytown, N. Y., showed its improved Pierson fern, which was awarded a first-class certificate.

The judges were E. Dolby and J. Shields, of Dalton. GEORGE FOULSHAM.

BERKELEY, CAL.—Harvey M. Hall, instructor in botany and assistant botanist to the agricultural experiment station of the University of California, left June 16 to make an extended trip through the Sierras for the purpose of exploration and collecting botanical specimens.

LAKE GENEVA, Wis.—The summer meeting of the Wisconsin State Horticultural Society will be held here June 29 and 30. Frank Ovender will read a paper on bulbs, C. Phillipson will tell about the annual Oshkosh chrysanthemum shows, and several other interesting papers will be read the first day. The second will be devoted to recreation.

Clearing Sale

OF ROSE PLANTS

<p>CHATENAY Very fine 3-inch, \$50.00 per 1000.</p> <p>BEAUTY 2 1-2-inch, \$40.00 per 1000.</p>	<p>BRIDE 2-inch, \$20.00 per 1000.</p> <p>BRIDESMAID 2-inch, \$20.00 per 1000.</p>
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BENCH PLANTS 1 and 2 year-old.

BEAUTY, \$25.00 per 1000.
BRIDE and BRIDESMAID, grafted 2-year-old plants, \$25.00 per 1000.

ALL PLANTS SHIPPED FROM OUR GREENHOUSES AT HINSDALE, ILL.

BASSETT & WASHBURN,

Office, 76 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

BRIDE AND BRIDESMAID PLANTS FROM 2-INCH.

Price to clean out, **\$20.00 per 1000**. This is a cheap price, but not cheap stock, being first-class in every respect.

METEORS, from 2½-inch pots, strictly first-class, \$15.00 per 1000. All stock in extra fine condition. Sample sent upon application.

AMERICAN BEAUTY, 3-inch, \$40.00 per 1000.

BEAUTY BUSHES, one-year old, from bench, clean and healthy, \$30.00 per 1000; \$3.00 per 100.

J. A. BUDLONG

37 Randolph St., CHICAGO.

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50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN.

LIBERTY, 3½-inch pots, \$18.00 per 100. **BRIDESMAID, BRIDE, IVORY, GOLDEN GATE**, 3½-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

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—STRICTLY FANCY—

Am. Beauty and Perle Roses

as well as other varieties, as per enclosed list, can be had at once by writing

GEO. A. KUHL, Pekin, Ill.

Everything sent out is strictly First-Class and Guaranteed to give satisfaction.

No.	Variety.	R. C.	2x2½	2½x3	3x3
1	Meteor.....	\$1.50	\$2.50	\$3.50	\$5.00
2	Brides.....	1.50	2.50	3.50	5.00
3	Maid.....	4.50	2.50	3.50	5.00
4	Ivory.....	1.50	2.50	3.50	5.00
5	Golden Gate.....	1.50	2.50	3.50	5.00
6	Perle.....	2.00	3.00	4.00	6.00
7	LaFrance.....	2.00	3.00	4.00	6.00
8	Kaiserin.....	2.00	3.00	4.00	6.00
9	Woottons.....	2.00	3.00	4.00	6.00
10	Bell Siebrecht.....	2.00	3.00	4.00	6.00
11	President Carnot....	2.00	3.00	4.00	6.00
12	American Beauties..	3.00	6.00	8.00	10.00
13	Liberty.....	4.00	6.00	8.00	10.00

Roses. Extra Fine.

	3-inch Stock.	Per 100
Bridesmaid.....		\$4.00 to \$6.00
Meteor.....		4.00 to 6.00
Ivory.....		4.00 to 6.00

Also 1-year old American Beauties from bench for immediate planting or 6-inch pots.

The J. M. GASSER CO., Cleveland, O.

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AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

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South Park Floral Company.

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Fine Rose Plants

BRIDE and BRIDESMAID

3 1/2-in. pots, ready to plant.
Must be sold at once.

The Cleveland Cut Flower Co.
52 & 54 High St., CLEVELAND, O.

Per hundred, \$4.50
Per thousand, \$40.00

CASH WITH ORDER.

American Beauties

Yes, we have the plants you want. We don't run a "Beauty Factory" but we have about 40,000 feet of glass devoted to them and we have men who understand propagating and growing them. We haven't a

lot of cull stock we wish to dump. But we have a clean healthy lot of plants which we are offering at very low prices. We intend to establish a reputation on our goods and want your order. The goods are right—but if you don't think so, return them and you can have your money back. Send a dollar for samples if you are dubious. 3-inch, \$6.00 per 100; \$55.00 per 1000. 4-inch, \$8.00 per 100; \$75.00 per 1000.

GRAND RAPIDS VIOLET CO.
163 Madison Ave., GRAND RAPIDS, MICH.

Please mention the American Florist when writing.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID.....	\$2.50	\$20.00
BRIDE.....	2.50	20.00
GOLDEN GATE.....	2.50	20.00
IVORY.....	2.50	20.00
LIBERTY.....	5.00	45.00

In 3-inch Pots.

BRIDESMAID.....	\$4.00	\$35.00
BRIDE.....	4.00	35.00
PERLE.....	4.00	35.00

2-year-old AMERICAN BEAUTY PLANTS from benches, \$3.00 per 100; \$25.00 per 1000.

GEO. REINBERG.
51 Wabash Ave., CHICAGO.

Madam Chatenay

Extra heavy, 2 1/4-inch plants
\$30.00 per 1000.

EMIL GLAUBER,
Montclair, Colo.

Grafted Roses.

Bride, Bridesmaid, Golden Gate, Kaiserin, Woolton, 4-inch, \$20.00 per 100; 2-inch, \$15.00 per 100; \$120.00 per 1000. Own roots, 2-inch, \$80.00 per 1000.

GEORGE L. PARKER,
Washington cor. Rockwell St., Ward 24, BOSTON.
Please mention the American Florist when writing.

ROSES

Maid, Bride, Gate, Perle, 2 1/2-inch, per 1000, \$25.00; per 100 \$3.00.

Maid, Bride, Gate, Perle, 3 1/2-in., per 1000, \$15.00. Cut back benched Beauties, a few thousand plants left, \$35.00 per 1000. Elegant stock to replant in benches.

2 1/2 inch Beauties, per 1000.....\$40.00 3 1/2-inch Beauties, per 1000.....\$55.00
Cut back benched Teas, per 1000.....\$40.00
Prices are extremely low considering quality of the stock. We have to dispose of them to finish planting. Orders booked for delivery anytime during July.

CHRYSANTHEMUMS.

	Cuttings 2 1/2-in. pot	
	per 100	per 1000
WHITE		
Willowbrook.....	\$1.50	\$2.50
Estelle.....	1.50	2.50
Geo. S. Kalb.....	1.50	2.50
Timothy Eaton.....	2.00	3.00
Merry Christmas.....	1.50	2.50
Wanamaker.....	1.50	2.50
Robinson.....	1.50	2.50
Chadwick.....	1.50	4.00
Fitzwygram.....	2.00	3.50
White Bonnafon.....	2.00	3.00
Crawford.....	2.00	3.00
Ivory.....	1.50	2.50
Jones.....	1.50	2.50
YELLOW		
Bonnafon.....	1.50	2.50
Appleton.....	1.50	2.50
E. D. Smith.....	1.50	2.50
Omega.....	1.50	2.50
Whilldin.....	1.50	2.50
Parr.....	1.50	2.50
Sunshine.....	1.50	2.50
Yellow Jones.....	2.00	3.00
Yellow Eaton.....	2.50	4.00
Pennsylvania.....	2.00	3.00

	Cuttings 2 1/2-in. pot	
	per 100	per 1000
YELLOW		
Golden Wedding.....	2.00	3.00
Gold Mine.....	2.50	3.50
Monrovia.....	2.00	3.00
Nagoya.....	2.00	3.00
Chautauqua Gold.....	2.00	3.50
Robert Halliday.....	1.50	2.50
Eclipse.....	2.50	4.00
PINK		
Murdock, Perrin, Morel, Pacific.....	1.50	2.50
Coombs, Shaw, Quito.....	2.00	3.00
Richardson, Liger, Heno, Maud.....	1.50	2.50
Duckham, Sensational Pink.....	25.00	30.00
RED		
Childs, Latensity, Schrimpton.....	2.00	2.00
BRONZE		
Lady Hanham.....	2.00	3.00

Percy Plumeridge.....	6.00	8.00
Mouhier.....	1.50	2.50
C. J. Salter.....	6.00	8.00
T. W. Pockett.....	6.00	8.00
Lord Hopetoun.....	10.00	12.00

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POEHLMANN BROS., Morton Grove, Cook County, Ill.

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ROSE PLANTS.

In 3 1/2-inch pots.	Per 100	1000	In 2 1/2-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.
51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

ROSE PLANTS CHOICE STOCK.

IVORY, 2 1/2-in., \$3 per 100; \$25 per 1000; 3-in., \$5 per 100. BRIDESMAID, 2 1/2-in., \$3 per 100; \$25 per 1000. PERLE, 2 1/2-inch, \$3.50 per 100. This stock is all A1.

C. C. POLLWORTH CO., Milwaukee, Wis.

Please mention the American Florist when writing.

Lenox Horticultural Society.

The Lenox Horticultural Society gave a free exhibition of flowers, fruits and vegetables in the Lenox town hall on Wednesday, June 23, which was well attended by most of the leading residents. The exhibition itself differed very little from others of the same kind. The exhibits of out-door roses were neither numerous nor sensational, in fact we expected more. Several of the leading gardens were not represented and the effect of the very severe winter was very apparent. The stems were short and the list of varieties somewhat curtailed. The exhibition of indoor roses was fairly good for this season of the year. Several varieties were shown and the vases of American Beauty, Liberty and Kaiserin Augusta Victoria were very good, but the judges passed these over in favor of a rose of La Detroit. It must have been its youth that appealed to them, for it lacked the other attributes.

Gloxinias were a feature of the exhibition and well worth going to see alone. Fruit and vegetables also deserve to be specially mentioned. In Mr. Jenkins' collection of twelve varieties of vegetables we observed several new kinds, and they certainly were very fine. Indoor fruits—melons, peaches, nectarines and figs—were also well shown, but the exhibit that appealed to us most was a very large collection of hardy herbaceous flowers, the most extensive that we have yet seen in this country. They were all correctly named and were certainly the most instructive thing in the whole hall. They were exhibited by Wm. Woods, gardener on the Mrs. J. E. Parson's place. A subsequent visit to this establishment showed that twice as many varieties could have been staged, and at some future date we will have more to say about Mr. Woods and his work which will be interesting.

In the principal H. P. rose contest, twelve varieties, three of each, S. Carlquist, gardener to Mrs. Winthrop, was first; Geo. Thomson, gardener to H. H. Cook, second; J. G. Donohue, gardener to Morris K. Jessup, third. The winning lots consisted of Monsieur Boncenne, Magna Charta, Baron de Rothschild, Mrs. John Laing, Capt. Hayward, Gen. Jacqueminot, Ulrich Brunner, Margaret Dickson, John Hopper, Gabriel Luizet, Paul Neyron and Prince Camille de Rohan.

First prize for the best twelve perennials was awarded to Wm. Woods, with Campanula persicifolia grandiflora, C. latifolia, Spiraea Araneus, double white and single pink pyrethrums, Lilium elegans, Gaillardia grandiflora, Iris Japonica, Gillenia trifoliata, Phlox ovata, P. and suffruticosa Marie Stewart and Dianthus deltoides. George Thompson was second.

For the best collection of strawberries, E. Jenkins, gardener to Girard Foster, received first prize, with Marshall, Gandy, Nick Olimer, Brandywine, Wellington, and Sharpless; W. D. Sloane, Elm Court Farm, second.

Other winners of important prizes were A. H. Wingate, gardener to Chas. Lanier; R. A. Schmidt, gardener to G. G. Haven; A. J. Loveless, gardener to John Sloane, and John Dallas, gardener to G. H. Morgan.

The F. R. Pierson Co., Tarrytown, N. Y., exhibited two plants of Nephrolepis Piersoni compacta, for which a certificate of merit was awarded.

TRAVELER.

**NEW CARNATION
FIANCEE**

Winner of all important prizes the past year.

Place your orders now for **FIANCEE** and **THE CARDINAL**. Ten Acres of **Poony Roots**. Write us for best and common varieties.

CHICAGO CARNATION CO., Joliet, Ill.

Extra Fine 'Mums

—FROM POTS—

2000 Major Bonnaffon 225 Glory of Pacific
1500 Col. Appleton 200 Puritan
450 Marion Henderson 200 Timothy Eaton
1100 Mrs. Felix Perrin 150 Harry Parr
100 Minnie Wanemaker

\$2.50 per 100; \$22.50 per 1000.

YOUR MONEY BACK IF NOT SATISFIED.

**FURROW BROS.,
CUTHRIE, OKLA.**

CHRYSANTHEMUMS.

STRONG, COOL CROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonnaffon, White Bonnaffon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2 1/4-inch pots, \$2.00 per 100. Special price by the 100.
COLEUS, Golden Bedder, Verschaffeltii and Jancy mixed, 2 1/4-inch, \$1.75 per 100; \$17.00 per 1000. Rooted cuttings, 75c per 100.

**H. N. EATON, Agent.
SO. SUDBURY, MASS.**

ROSES. CLOSING OUT PRICES.

2 1/2 and 3-in., extra choice stock. Per 1000
Golden Gate.....\$20.00
Bride.....20.00
Bridesmaid.....20.00
Mme. Chatenay.....30.00
Above prices cash with order.

JOHN BROD, Niles Center, Ill.

AMERICAN BEAUTY

3-inch, \$5.00 per 100.

GATES, 2 1/2-inch, per 100\$2.00
BRIDES and MAIDS, 2 1/2-inch, per 100. \$2.50

RHOTEN BROS. CO., Box 5, Danville, Ill.

American Beauties.

Plants from 3-inch pots, clean and healthy, \$30.00 per 1000.

JOHN MUNO, Rogers Park, Chicago, Ill.

CARNATION CUTTINGS.

Have a surplus of 4,000 good cuttings, sand struck, at low prices. These are fine plants from clean stock.

Mrs. N. L. Francisco, RHINECLIFF, N. Y. Dutchess Co.

ALWAYS MENTION THE.....

**AMERICAN FLORIST
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Rose Plants.

Strong Stock from 2 1/2-inch pots.

Uncle John The finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

MME. CHATENAY.....	\$5.00	\$40.00
SUNRISE	5.00	40.00
KAISERIN.....	2.50	20.00
LIBERTY.....	5.00	40.00
MAID.....	2.50	20.00
BRIDE.....	2.50	20.00
PERLE.....	2.50	20.00
GOLDEN GATE.....	2.50	20.00
IVORY.....	2.50	20.00
AMERICAN BEAUTY, 3-inch.....	6.00	50.00

2-year Old Plants from Benches.

AMERICAN BEAUTY.....\$6.00 \$50.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

**PETER REINBERG,
51 Wabash Ave., CHICAGO.**

Please mention the American Florist when writing.

CARNATIONS.

Extra fine stock. Ready now for immediate delivery from soil and sand. **New Daybreak**, the best all season commercial light pink; \$3.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100
Mrs. M. A. Patten, fine variegated....	\$3.00	\$12.00
Crusader, scarlet.....	2.00	10.00
Reliance, white.....	2.00	10.00
.....50 at 100 rate.....		
	Per 100	1000
Harlowarden, best crimson.....	\$5.00	\$40.00
Governor Lowndes, finest white.....	6.00	50.00
Genevieve Lord.....	2.50	20.00
Mrs. E. A. Nelson.....	3.00	30.00
Norway.....	2.50	20.00

	Per 100	1000		
Prosperity...\$3.00	\$25.00	Mrs. R'velt...\$1.00	\$35.00	
Sibyl.....	4.00	30.00	Gov. Wolcott 4.00	35.00
Lillian Pond. 4.00	35.00			

Also other varieties. Send for complete list. Let us figure on your order.

H. WEBER & SONS, Oakland Md.

ROSES! ROSES!

SPECIAL LOW PRICES TO CLOSE OUT.

Fine, strong, 3-inch Bride, Bridesmaid, Ivory and Gate. \$5.00 per 100; \$45.00 per 1000. Perle and Meteor, \$6.00 per 100; \$50.00 per 1000. Beauty, \$7.00 per 100; \$60.00 per 1000. 2 1/2-inch Bride and Ivory, \$2.50 per 100; \$25.00 per 1000. Perle, \$3.00 per 100. Beauty, \$4.00 per 100.
Fine 3-inch **VINCAS** for stock, \$5.00 per 100; 2-in., \$2.50. We have a few hundred Beauties cut back and established in 4-inch pots fine to plant now, at \$8.00 per 100.

W. H. GULLETT & SONS, Lincoln, Ill.

Please mention the American Florist when writing.

EXPLANATORY

If you cannot attend the Auction in person or send a representative either myself or E. F. Winterson Co. will look after your interests. Don't fail to send remittance to extent of 10% with your commission.

Make all checks payable to Greenbaum & Sons, Bankers.

Establishment of Albert Fuchs. To the Trade:

Some weeks ago I announced in the various trade papers that my establishment and contents would be sold at auction on June 15th and 16th to the highest bidder. Within a few minutes after the time the auction was to be held two prominent gentlemen in the trade bought the houses and stock on an option of 30 days (see Chicago notes, American Florist, June 18th). This option has not been taken advantage of and as my doctors insist on my leaving the country at the earliest possible time the entire plant is again offered at a fixed price, and if not disposed of previous to July 7th, all except my retail store, two

"The finest stock of Palms in the West." The consensus of opinion of many up-to-date Florists who have visited our plant within the last month.

houses and their contents will positively be sold at auction and to the highest bidder on Thursday, July 14th, 10 A. M. sharp. I take this opportunity to thank my many friends and members of the trade who were disappointed at not being able to buy at the previous sale, and assure them that unless the entire plant is sold at a private sale previous to July 7th, (in such event this will be announced in the American Florist, issue July 9th), the auction will be held at time stated hereintofore and without reservation.

Very truly yours,

ALBERT FUCHS, 2045 N. Halsted St., Chicago.

50,000 PALMS AND FERNS.

The Choicest in America. Any orders sent in previous to auction will be sold at prices named in this list. Shipment will be made same day order is received. No order less than \$10.00 at prices named. Satisfaction guaranteed.

MESSRS. E. F. WINTERSON CO., Superintendents of Auction. } GREENBAUM & SONS, Bankers, }
Make Checks Payable to } 83-85 Dearborn St., Chicago.

We hereby authorize you to bid in for us at the auction of the ALBERT FUCHS GREENHOUSES the following goods at the price stated and we enclose 10 per cent of the total purchase which you guarantee to return within 3 day after the auction, should the stock be sold at a higher price than we bid, or send us the goods within one week from date of sale carefully packed.

Quantity.	Kind.	Size Pot.	No. Leaves.	Height of Plant.	Wholesale Value.	My present Prices Each.	Per 100	Insert here price you wish to bid.
7000	Kentia Belmoreana	3	3-4	6-10	\$.15	\$.04	\$ 4.00	.....
8000	"	4	4-5	9-14	.35	.20	18.00	.....
3000	"	5	6-8	18-30	.75	.60	50.00	.....
2000	"	6	6-8	26-36	1.50	1.15	90.00	.....
900	"	7	6-8	28-38	2.50	2.00	170.00	.....
200	"	8	6-8	36-42	3.00-5.00	2.50	220.00	.....
100	"	9	6-9	40-48	7.00-10.00	5.00	.....	.....
500	Kentia Forsteriana	6	5-7	24-36	1.50	1.00	90.00	.....
1000	"	7	5-7	42-52	2.50	1.60	150.00	.....
150	"	8	5-7	48-72	3.00-10.00	2.50-8.00	.....	.....
100	"	9	5-7	68-78	5.00-25.00	4.00-15.00	.....	.....
1000	made up	7	...	28-40	1.50	1.10	100.00	.....
500	Pandanus Utilis, not perfect.	6	...	15	1.00	.40	.....	.....
200	Pandanus Veitchii	6	...	15	1.00	1.00	90.00	.....
200	"	7	...	22	2.00	1.75	150.00	.....
190	"	8	...	28	3.00	2.25	200.00	.....
1000	Latania Borbonica	5	5-7	12-15	.40	.18	17.00	.....
2000	"	6	5-8	16-28	.75	.35	30.00	.....
1000	"	7	6-9	26-30	1.00	.60	50.00	.....
1000	"	8	6-9	30-32	2.00	1.50	90.00	.....
250	"	9	7-9	32-36	3.00	2.50	225.00	.....
	Ficus Elastica	5	...	...	.50	.35	30.00	.....
	"	6	...	...	1.25	.50	48.00	.....
	"	5-8	...	...	.75	.25	20.00	.....
7000	Stock plants	5-8	...	...	...	.15	8.00	.....
	Boston Ferns, cool gr., fr. bench	...	...	...	...	.03	2.00	.....
	Asparagus Plumosus	2 1/2	fine, bushy stock	...	...	.03	2.00	.....
	" Sprengerii	2 1/2	...	...	...	.30	18.00	.....
	"	5	...	...	...	.05	4.00	.....
	Aspidistra, green, per leaf	...	...	...	...	.15	15.00	.....
	" variegated	...	...	...	...	.25	15.00	.....
	Areca Lutescens	5	6-8	15-20	.50	.25	15.00	.....
	"	6	6-12	22-36	1.00	.60	30.00	.....
	Cycas Revoluta, Sago Palm, fine large trunks, 5-10 feet high, \$25.00 to \$200.00.	...	...	...	...	...	...	.....
	1 Kentia Belmoreana, 12 feet high, 10 leaves, \$75.00.	...	...	...	...	...	...	.....

THE FINEST WHOLESALE ESTABLISHMENT IN CHICAGO. I offer previous to the auction my entire institution with upward of 50,000 of the best Palms, Ferns, etc., in the country for only \$18,000 and will give a 99-year ground lease at the very low rate of \$200 per month, to parties who can furnish reliable security. I will sell on the basis of one-fourth cash and the balance on long time. This offer only good until July 7th and if the entire plant is not disposed of up to that date, all excepting my retail store and two houses will positively be sold at Auction, on July 14, at 10 A. M. sharp.

FLORISTS, VEGETABLE GARDENERS, Etc. The following greenhouses are for sale at prices named, viz.: 2-25x100 feet houses for \$300 each, cost \$1,200 each; 3-25x115 feet houses for \$310 each, cost \$1,500 each; 2-25x100 houses for \$325 each, cost \$1,500 each; 3-25x150 feet houses for \$500 each, cost \$2,100 each. These greenhouses will be sold separately or if the entire 10 are taken I will sell them for \$3,000.

E. F. Winterson Company, Auctioneer's SUPERINTENDENTS.

E. F. WINTERSON.

JOHN P. DEGNAN.

L. H. WINTERSON.

Sale will be held on July 14th, 10 A. M., at 2045 North Halsted Street, Chicago.

GRAND HAVEN, MICH.—The greenhouse property of the late George Hancock was sold at chancery sale June 18 to Mrs. Ellen J. Bushwell and the John Davis estate, the consideration being \$5,025. James Hancock, the surviving member of the firm of Hancock & Son, is thinking of erecting a range of houses in Muskegon, Mich.

GRAND RAPIDS, MICH.—Arthur Dietrich, foreman of the Grand Rapids Violet Company, is confined to the hospital with a bad case of blood poisoning, caused by a scratch on his thumb from a thorn of an American Beauty rose. For a time it was feared that amputation of his arm was necessary, but the member will be saved. Mr. Dietrich is recovering slowly.

Well Satisfied.

AMERICAN FLOEIST CO.:—You will find enclosed money order for \$1 for the AMERICAN FLORIST. I wish to state that I am very well satisfied with the paper.
FRANS. O. SANTHESON.

PAEONIAS

Best French Collections a Specialty. Festiva Maxima and all the finest varieties. Strong plants. True to name. Catalogues free.

A. DESSERT, CHENONCEAUX, FRANCE.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
Roses, Palms,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Alternantheras

Red and Yellow, from 2-inch pots, \$1.50 per 100; \$15.00 per 1000.

DAVIS BROS., Morrison, Ill.

BEGONIA REX

Extra fine stock in good assortment.

From 3-inch pots, \$5.00 per 100.

Asparagus Tenuissimus, Strong, from 2-inch pots, \$3.00 per 100.

Asparagus Plumosus, From 2-inch pots, \$4.00 per 100.

NATHAN SMITH & SON,
ADRIAN, MICH.

Five Million Vegetable Plants.

Tomato, Acme, Stone, Earliest, D. Champion and others, \$1.00 to \$1.50; transplanted, \$2.50, \$5.00 and \$7.50 per 1000. Very strong.

Cabbage, special strain, Danish Ballhead, Winter, Althead, Early Summer, Bridgeport, Drumhead, Red Rock, Savoy and Kale, per 10,000, \$8.50; per 1000, \$1.00; per 100, 15c.

Celery and Celery, White Plume, J. Hearth, Pascal, Hartwell's Perfect, Winter Queen, \$8.50 per 10,000; \$1.00 per 1000; 15c per 100. Transplanted White Plume, \$2.00 per 1000; 25c per 100.

Pepper, Ruy King, Sweet Mountain, Cayenne, and other varieties, \$1.50 per 1000. Transplanted, strong, \$3.50 per 1000.

Sweet Potato, Yellow Jersey, \$1.25 per 1000.

CASH WITH ORDER. PRICE LIST MAILED FREE.

Ludvig Mosbaek, Phone 105, Onarga, Ill., and South Chicago, Ill.

PRIMROSES.

Per 100
Chinese, 2-inch pots \$2.00
Obconica, Alba and Rosea 2.00
Forbesi, all ready July 2.00
1000 Smilax 1.25

Cash or C. O. D. **JOS. H. CUNNINGHAM, Delaware, O.**

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. **BOSTON FERNS**, 2 1/4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS**, 2 1/4-inch, \$3.00 per 100; 5-inch, 50c. **ASPARAGUS PLUMOSUS**, 2 1/4-inch, extra fine, \$3.50. **CANNAS**, F. Vaughan, J. C. Vaughan and Burhank, \$1.50 per 100; \$12.00 per 1000. **COLEUS**, 15 varieties, \$2.00 per 100. **ALTERNANTHERA**, Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

Cash Please.

A. J. BALDWIN, Newark, O.

TRUE

Asparagus Plumosus Nanus...

2-inch per 100, \$3.00; per 1000..... \$25.00
Express Prepaid.

100,000 Calla Bulbs.

Write for prices, giving sizes wanted.

PANSY SEED, New crop, Giant Mixed, \$4.00 per oz.; 1/4-oz. at 1-oz. rates.

CALIFORNIA CARNATION CO.
LOOMIS, CAL.

50,000

SMILAX

Strong plants from 2 1/4-inch pots, \$1.25 per 100; \$10.00 per 1000.

PETUNIAS. Those "Double Fringed Ones." Six beauties, from 2 1/4-inch pots, \$1.50 per 100. Cash.

The W. T. Buckley Plant Co.
SPRINGFIELD, ILL.

Marie Louise Violets

5,000 sand struck cuttings, clean and free from disease, \$15.00 per 1000.

—CASH WITH ORDER.—

H. W. STEWART, Rhinebeck, N. Y.

HEADQUARTERS FOR

BOSTON and PIERSONI FERNS

in 2 1/2, 3, 4, 5, 6, 7, 8 and 10-inch pots.

Asparagus Sprengeri and Plumosus, in all sizes at **GEO. A. KUHLS, Pekin, Ill.**

WRITE HIM FOR PRICES.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, selected stock from 2 1/4-inch pots, \$5.00 per 100; \$45.00 per 1000. From 3-inch pots, \$7.00 per 100; \$65.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Always mention the American Florist when you order stock.

ASPARAGUS.

Per 100
Plumosus Nanus, Seedling \$1.75
" " 2-inch, July 2.50
Sprengeri, \$18.00 per 1000 2.00
Pansy Seed, July per ounce, \$4.00

Cash or C. O. D. **JOS. H. CUNNINGHAM, Delaware, O.**

ALTERNANTHERA BRILLIANTISSIMA.

The finest deep red variety grown. To see it is to want it and if you grow it once, you will drop all other reds. This is the only red grown at Fairmount Park, Philadelphia. \$5.00 per 100; 75c per doz. **BOSTON FERNS**, 2 1/4-inch, \$3.50 per 100; 3-inch, \$8.00 per 100; 4-inch, \$15.00 per 100. **PIERSON FERNS**, 2 1/4-inch, \$3.00 per 100; 5-inch, 50c. **ASPARAGUS PLUMOSUS**, 2 1/4-inch, extra fine, \$3.50. **CANNAS**, F. Vaughan, J. C. Vaughan and Burhank, \$1.50 per 100; \$12.00 per 1000. **COLEUS**, 15 varieties, \$2.00 per 100. **ALTERNANTHERA**, Aurea Nana, yellow, \$2.00 per 100; \$18.00 per 1000.

Cash Please. **A. J. BALDWIN, Newark, O.**

NEED A FIRST-CLASS

Commercial White?

FRED. BURKI IS THE ONE. Has scored 88 points at the Detroit Carnation Convention and has been awarded a Certificate of Merit. Orders filled strictly in rotation. \$12.00 per 100; \$100.00 per 1000.

John Murchie, S. S. Skidelsky,
SHARON, PA. 824 N. 24th St., Philadelphia.
Please mention the American Florist when writing

Loomis Floral Co., CARNATIONS,

Loomis, Cal.
Please mention the American Florist when writing.

Geraniums.

5,000 large plants in bud and bloom, from 3 1/4-inch pots, in 10 good varieties, \$6.00 per 100; \$50.00 per 1000. **ALTERNANTHERA**, red and yellow, extra strong, \$20.00 per 1000. Cash.

J. W. DUNFORD, CLAYTON, MO.
R. F. D. No. 1.

25,000 Eaton, Appleton, Ivory, Maud Dean, Bonnafon, Mrs. Murdock, Mrs. Coombes, Jones and many more kinds from 2 1/4-inch pots, \$2.25 per 100. 300 our selection, all good ones, for \$5.00 cash. Come and see our stock. Largest lot in the state. Greenhouses at East Sudbury Station (no walking), or write us a list of kinds wanted and we will make price by return mail.

COOLIDGE BROS., So. Sudbury, Mass.
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Mary 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.

G. Lawritzen, Rhinebeck-on-Hudson, N. Y.

VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

ELI CROSS, Grand Rapids, Mich.

VIOLET STOCK from pots. Now ready.

Marie Louise, Lady Campbell and Princess of Wales, \$20.00 per 1000. **IMPERIAL**, best dark variety, \$25.00 per 1000. **COLEUS**, 2 1/4-inch, \$3.40 per 100; \$25.00 per 1000. **LOBELIA**, 3-inch same rate. **MARGUERITES**, 4-inch, \$6.00 per 1000.

GRAB & HUNTER, Grand Rapids, Mich
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Asparagus Plumosus Nanus.

We offer Flats of Asparagus in which 1000 seed were originally sown, now contain from 800 to 900 fine Seedlings ready for 2 1-2-inch pots at \$10 per flat.

2 1-2-inch Asparagus - - \$3.00 per 100

HOLTON & HUNKEL CO., MILWAUKEE, WIS.

To Clean Out.

Cannas. Fine and bushy in 4-inch pots, Antoine Crozy, Florence Washington, Souv. de Austria, at \$4.00 per 100.

SMILAX, 2 1-2-in. pots, \$2.50 per 100; \$20 per 1000.

BRIDES and MAIDS, 3-in. \$4.00 per 100.

BEGONIA Gloire de Lorraine

FOR JULY DELIVERY.

2 1/2-in. pots, \$12 per 1000.

Julius Roehrs,

RUTHERFORD, N. J.

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BEGONIA GLOIRE DE LORRAINE,

2 1/2-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.

Orchids!



Arrived large shipments in superb condition. See special ad on page 987.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

Please mention the American Florist when writing.

Asparagus Plants

True Plumosus nanus, strong plants from seed sown January and February, \$12.00 per 1000, (\$25 at 1000 rate); \$1.50 per 100, prepaid to destination. Cash with order. Send for samples. On large lots, write us for prices.

SPRENGER, strong seedlings once transplanted, per 100, 80c; per 1000, \$6.50, prepaid.

YALAH Conservatories, Yalaha, Fla.

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LOOK HERE.

Azaleas, Areca Lutescens, Kentias, Crotons, Dracaenas, Pandanus Veitchii and Utilis, Rubbers, Genistas, Araucarias, Adiantum, Cocoses, Small Ferns for dishes.

All first-class stock at lowest wholesale prices. Cash with order or satisfactory references.

A. LEUTHY & CO., Perkins St., Rosindale, BOSTON, MASS.

Please mention the American Florist when writing.

Boston Ferns.

\$5.00 per 100; \$40.00 per 1000, cut from bench.

ANNA FOSTER FERNS, \$5.00 per 100; \$40.00 per 1000, cut from bench. Larger plants 25c to 50c each. **ASPARAGUS PLUMOSUS NANUS**, 4-inch, \$10.00 per 100. **KENTIA PALMS**.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Please mention the American Florist when writing.

Boston Ferns

10,000 fine 2 1/4-inch at \$4.00 per 100; \$35.00 per 1000. 3-inch, \$8.00; 4-inch, \$15.00; 5-inch, \$25.00 per 100; 6-inch, 40c; 7-inch, 60c; 8-inch, 75c each.

PIERSONI FERNS, Strong Rooted Runners, \$4.00; 2 1/2-inch, \$8.00 per 100.

DAVIS BROS., Morrison and Geneva, Ill.

Please mention the American Florist when writing.

HEADQUARTERS FOR

AURACARIA EXCELSA

—MY OWN IMPORTATION.—

5 1/4-inch pots, 3 to 4 tiers 10 to 12-inches high, 50 to 60c; 12 to 15 inches high, 3 to 4 tiers, 75c; 15 to 18 inches high, 3, 4 to 5 tiers, 85c.

KENTIA FORSTERIANA and **BELMOREANA**, 6-inch pots, 5 to 7 leaves, 28 to 35 inches high, 75c to \$1.00 each.

FIGUS ELASTICA, (Belgium), 4-inch pots, 25c. Cash with order please. All goods travel at purchasers' risk.

Godfrey Aschmann,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Tioga 3669 A.

1012 Ontario St., Philadelphia, Pa.

BOSTON FERNS.

2 1/4-in. 3c; \$30.00 per 1000. 3 1/4-in. 7c; \$70.00 per 1000.

Piersoni

3 1/4-in., 10c; \$100 per 1000. 5-in., 25c; \$25 per 100. 6 in., 35c; \$35 per 100.

Asparagus Plumosus Nanus, strong, 3 1/2-in., from bench, ready for 4-in., 7c; \$7 per 100; \$70 per 1000. Cash with order, please.

H. H. Barrows & Son, Whitman, Mass.

GOOD FERNS.

BOSTON FERNS, short and bushy, each, 50c; per dozen, \$6.00; per 100, \$45.00.

PIERSON FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.

Keep Street Greenhouses.

Geo. Wittbold Co.,

1657 Buckingham Pl., CHICAGO, ILL.

Send for Price List.

DRACAENA TERMINALIS.

From 5-inch pots, \$3.00 per dozen.

JOSEPH HEACOCK,

WYNCOTE, PA.

Areca Lutescens

Kentia Belmoreana

Kentia Forsteriana

For our prices see page 551, Nov. 7th issue.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and **FORSTERIA PALMS**, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

ENGLISH IVY, 2 and 3-inch, \$3 and \$6 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Salleri, Poitevine, \$2.50 per 100. 3-inch, \$5.00 per 100.

GLADIOLUS BULBS, fine mixture, \$1.00 per 100.

2 1/4-inch **VINCA VAR.**, **LOBELIA**, **ALVIA**, **COLEUS**, **ALTERNANTHERA**, red and yellow. Single and Double **PETUNIA**, **HELIOTROPE**, Golden Gate and Bridesmaid **ROSES**, **DRACAENA INDIVISA**, **VERBENA**, **LEMON VERBENA**, \$2.00 per 100.

VINCA VAR., 2-inch, \$2.00; 3-inch, \$4.00 per 100.

ABUTILON SAVITZII, 3-inch, \$5.00 per 100.

CANNAS, Black Beauty, Red, Yellow, and Variegated, 3-inch, \$4.00 per 100.

CASH OR C. O. D.

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

Asparagus.

	Per 100	Per 1000
PLUMOSUS NANUS	\$3.00	\$25.00
PLUMOSUS ROBUSTUS	5.00	
DECUMBENS	3.00	
SPRENGERI	2.00	15.00

SMILAX.

Well-grown and properly packed.. 1.50 12.50
Special prices on lots of 10,000 or over.

We use a light friable soil that can be shaken off without injury. If you wish to save express charges state when ordering "without soil." Samples mailed for 5c per plant.

ALBERT M. HERR,
LANCASTER, PA.

Cheap Palms and Asparagus

	Per 100
Latania Bor. , 2-in. pot, seed leaves..	3.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	20.00
Kentia Bel. , 2 1/2-in. pot, 8-10 in., 2-3 leaves..	12.00
" " 2 1/2-in. pot, 15-18 in., 3-4 leaves..	15.00
Asparagus Sprengeri , 2-inch.....	\$2.00
Asparagus Plumosus , from flats.....	1.75
" " 2-inch.....	2.50

Sherman Nursery Co., CHARLES CITY, IOWA.

We Are Selling

RIGHT ALONG TO FLORISTS WHO APPRECIATE THE VALUE OF HUSTLING FOR BUSINESS, ALL THE YEAR ROUND.

IN SUMMER there is a steady sale for Flower Vases, Jardinieres, Sheaves, Cycas Leaves and Wreaths and all the thousand and one Sundries that we keep in stock all the time to accommodate every want. All orders, however small, receive careful attention.

H. Bayersdorfer & Co.,
50-56 N. Fourth St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

TIN FOIL

Plain, Fancy, Printed & Mounted.

Manufactured by

The Conley Foil Co.

521 to 541 West 25th St.,
NEW YORK.

Please mention the American Florist when writing.

CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No. 0.	3x 4x20.....	\$2.00	\$19.00
" 1.	3x 4 1/2 x16.....	1.90	17.50
" 2.	3x 6x18.....	2.00	19.00
" 3.	4x 8x18.....	2.50	23.00
" 4.	3x 5x24.....	2.75	26.00
" 5.	4x 8x22.....	3.00	28.50
" 6.	4x 8x28.....	3.75	36.00
" 7.	6x16x20.....	5.50	54.00
" 8.	3x 7x21.....	3.00	28.50
" 9.	5x10x35.....	6.50	62.00
" 10.	7x20x20.....	9.50	87.50
" 11.	3 1/2 x5x30.....	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
BOX 104. COLUMBUS, OHIO.

Please mention the American Florist when writing.

LIGHTNING FLOWER POT WASHER.

Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong Plants are only grown in Clean Pots. Send for description. Sold direct \$15.00 net F. O. B. Joliet.

C. E. FINLEY Joliet, Ill.

Please mention the American Florist when writing.

NICKEL PLATE.
The New York, Chicago & St. Louis R.R.

NO EXCESS FARE ON ANY TRAIN

Three Express Trains East every day in the year. Pullman Drawing Room Sleeping Cars on all Trains. Trans-Continental Tourist Cars leave Chicago Tri-Weekly on Tuesdays and Sunday at 2:30 p. m., on Wednesdays at 10:35 a. m. Chicago to Boston without change. Modern Dining Cars serving meals on individual club plan, ranging in price from 35c to \$1.00; also service a la Carte. Coffee and Sandwiches, at popular prices, served to passengers in their seats by waiters. Direct line to Fort Wayne, Findlay, Cleveland, Erie, Buffalo, Rochester, Syracuse, Binghamton, Scranton, New York City, Boston and all points East. Rates always the lowest. Colored porters in uniform in attendance on all Coach Passengers. If you contemplate a trip East, call on any convenient Ticket Agent, or address JOHN Y. CALAHAN, Gen'l Agent, 113 Adams St., Chicago, Ill.

Please mention the American Florist when writing.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC. TO R. STEFFENS AND STEFFENS BROS.
MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY

Please mention the American Florist when writing.

M. RICE & CO.,

Importers and Manufacturers,

Leading Florists' Supply House and Ribbon Specialists.

918 Filbert Street, Philadelphia, Pa.

Please mention the American Florist when writing.

FLORIST Plain, Violet, Rose
FOIL MADE BY
The John J. Crooke Co.
155 Ave. D, NEW YORK. 149 Fulton St., CHICAGO.

Please mention the American Florist when writing.

FOR METALLIC, NATURAL PRESERVED and artificial FUNERAL DESIGNS,

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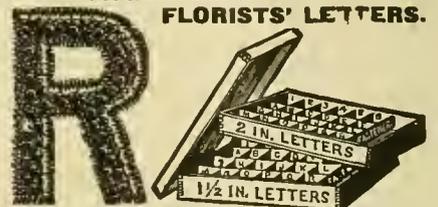
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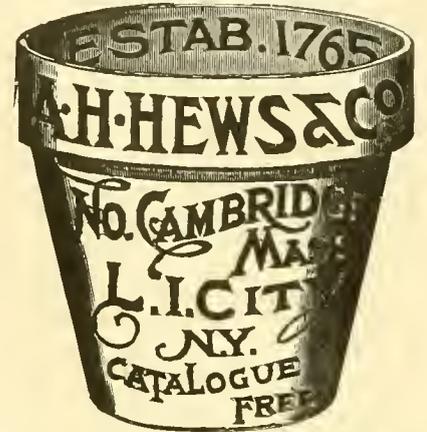
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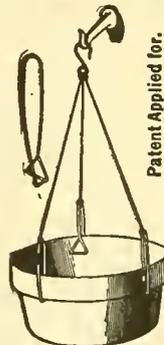
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Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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320 5 "	" 4.51	12 14 "	" 4.80
144 6 "	" 3.16	6 16 "	" 4.50

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Louisville, Ky.

The last week found a considerable change in the condition of the market here, business having fallen quite an extent, yet it compared favorably with other years for this weather. The weather has been intensely warm, the mercury passing the ninety mark. We haven't had any rain here for a very long time, this affecting stock to such an extent that carnations, sweet peas and other stock looks very discouraging, the carnations having a poor color and the sweet peas almost burned to the top in some sections. Roses of any quality are very scarce here, but we have the satisfaction of getting good stock from Chicago. Carnations of extra quality are also scarce, but the cheaper grades can be secured in quantity. Sweet peas have been plentiful, but sell rapidly, not many going to waste. Lilies can now be had in quantity, and the quality is exceptional. Outdoor stock is plentiful and is very satisfactory for window decorating.

The regular monthly meeting of the Kentucky Society of Florists will be held Tuesday, July 5, at the beautiful River-view park. The meeting will be called in the afternoon and a supper will be given after it is over. It is hoped that those having failed to attend the last few meetings will come in and be "with the crowd." The main object of the meeting will be to come to some conclusion as to the prices on bedding plants, which has been up for quite a while.

Charles W. Reimers, whose Beauty roses are about as good as any in Louisville, has had a lot of stock benched for quite a while, some of them showing about six or eight bottom shoots, and all in a healthy condition.

Leo Zoeller, who for about ten years was employed at Schulz's, has left his position and is now on his own account. His carnations seem to be suffering a great deal from the dry spell.

Mrs. C. B. Thompson has been improving right along, but will not be able to be around for some time.

Schulz's lilies are of excellent quality. Rose benching is in order.

F. L. S.

Milwaukee.

Business is now down to summer dullness, but the amount of stock still coming into the market is fully equal in quantity, not quality, to the heaviest spring receipts. Roses have shortened up considerably, the only really good stock being Liberty. Carnations are to be had in immense quantities at prices to suit the buyers. On account of the cool weather carnations are holding on well, in fact the quality this year is far ahead of previous years. Peonies are about played out; a few of the local growers still have some on hand, but by the end of this week all will be past. Sweet peas are now in fine shape, with sufficient for all demands.

Heitman & Baerman's carnations are still in very fine condition, and they promise to hold out for some time to come.

Arrangements for the florists' picnic are progressing and the committee promises a good time to all.

J. D. Thompson was here a few days hunting up orders for his new introductions.

Visitors were John Benstead, Racine, Wis.; H. Chessman, Chicago, Ill.

H.



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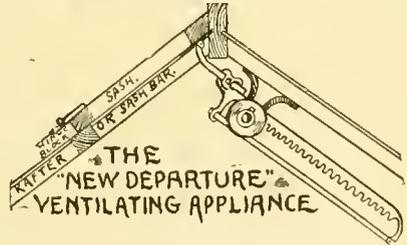
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New Bedford, Mass.

The bedding plant trade has been good. Geraniums have sold for \$1 to \$1.50 per dozen. About the only kinds that seem to be wanted are S. A. Nutt, A. Ricard and Beaute Poitevine. Pansies have sold better than usual. The first half of June has been cold with several frosty nights, and some tender things have been injured. The next meeting of the Florists' Club will be held somewhere in the wild woods or on the seashore.

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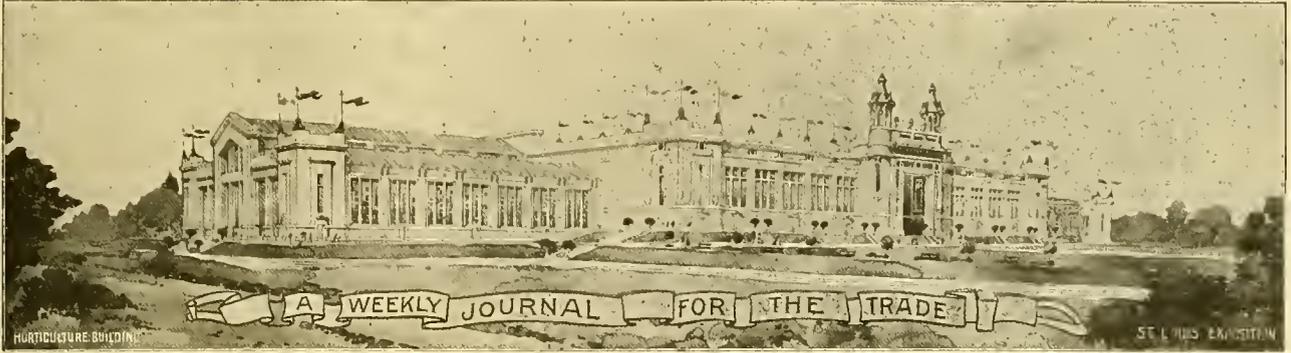
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THE AMERICAN FLORIST



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

Vol. XXII.

CHICAGO AND NEW YORK, JULY 9, 1904.

No. 840.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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For World's Fair Visitors.

From the city take the Market street electric cars for the entrance nearest to the Horticulture building. The Union railroad station is located on Market and Eighteenth streets.

Get off at station 10 on the intramural railroad for the Horticulture building. Other reasonably convenient stations are 7, 8, and 9.

Prof. L. R. Taft, who has charge of the judging in the horticultural classes, is now at his office in the Horticulture building.

Chief F. W. Taylor's office is at the south end of the Agriculture building, the end nearest the Horticulture building.

Superintendent Hadkinson's office is in the Horticulture building.

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PALMS AND FERNS.

Rejuvenating Decorators' Stock.

By July 1 the work in the palm houses becomes largely of a routine character, or should be so at least, for even in those establishments in which the school commencements and June weddings form an important portion of the business done the season is practically over, and the overworked decorative stock may now be given a much needed rest. The writer is not an ardent exponent of the art of nursing palms that have lost most of their leaves by much handling and exposure back into health and vigor from the fact that much of the labor expended in this way is rather a waste of energy. But there are always some such plants to be found among the stock of those who do much decorating, and it does not always pay to throw them away if they can be attended to early enough to get a profitable growth on them.

If the plants in question are kentias, and in most cases they are, as these palms are more in demand than any others just now, there is a possibility of bunching them together and thus forming a new plant from the wreck of three or four, or else one large plant may have three or four smaller plants that are in good condition placed around it, the combination often resulting in quite a presentable plant by the following winter. If the old plant has been very much rootbound it may be necessary to wash the old soil out from among the roots, and while doing this there may be found some dead roots that should be cut away with a sharp knife before repotting, for economy of pot-room is a prime requisite with most decorators, and with this in view we do not want to occupy the pot with roots that will not work. The old drainage material should also be removed from the bottom of the ball before repotting, this rule holding good at all times when repotting palms.

The reason for the removal of the crocks from the ball of a plant at the time it is shifted into a larger pot is that they not only occupy space and prevent the plant from being potted as low as it should be in the pot, but also that these old crocks will sometimes deflect the water to such a degree that the ball of earth does not become evenly moist all through. Having thoroughly prepared the roots of the plant, and also those of the others that it is proposed to plant around the center, the plants are arranged in such a way as to fill up the bare spaces and to add to

the symmetry of the whole. The soil is worked in well among the roots of the plants, for when the roots of a plant are suspended the plant itself usually suspends growth for a greater or less time, and then the whole are potted firmly, using a rammer or potting stick that will readily pass down the side of the pot without mashing the roots. The plants should then be thoroughly watered and placed in a well-shaded house, where they may be kept rather close until the root action is again brisk.

Such plants should never be permitted to get very dry or they will be seriously checked in growth, and may also lose some foliage, but when protected from the sun and given a proper growing condition of moisture, both at the root and overhead, these patched up plants will soon take hold, the warm nights of mid-summer helping them along wonderfully.

Up to July 1 we seldom find it needful to keep the ventilators open at night on the palm houses, but owing to the great variations of temperature one can not lay down a positive rule for this practice, and in the case of some lately potted stock we may keep the house closed up at night until July 15, but from that date up to September 15 the houses are seldom closed at night. This practice is radically different from the hurry-up methods that are sometimes adopted, in which the plunging of the pots in some heating material and the keeping of the foliage in a sort of steam bath promotes a very rapid growth of thin and soft foliage. After such a course of treatment it is impossible to harden off these plants in a week or two, nor can this thin and weak though often finely colored foliage be given sufficient substance to bear the exposure of decorating.

Some much starved palms that are in pots large enough for convenience in decorating may be braced up during the summer with a top dressing of manure, accompanied with a watering of moderately strong liquid manure twice a week, some two or three months of such treatment often sufficing to rejuvenate them for the season. Latanias and arecas seem to respond more quickly to such treatment than the kentias, possibly owing to the latter being slower in rooting. It is quite interesting to note the dark green coloring matter gradually spreading over a latania leaf as the fertilizers are taken up, the color spreading more rapidly through the younger leaves near the center of the plant until it finally improves the entire plant.

The tropical members of the *livistona* group, of which *L. rotundifolia* is the most widely known, are very stubborn about taking their winter rest, and seldom start away well if their roots have been disturbed during the winter. This palm requires heat, moisture and a fair degree of shade, and consequently makes the most of its growth during August and September, there usually being but little gained by repotting this *livistona* before the last of April or early part of May.

W. H. TAPLIN.

Nephrolepis Piersoni Improved.

The principal feature of the combined meeting of the Horticultural Society of New York and the horticultural section of the American Institute at the Botan-

ical Garden May 11, to which some reference has already been made in our issue of May 14, centered in the horticultural novelties. The prize of \$50 for the best horticultural novelty in plant, fruit, flower or vegetable, that is anything distinct and not previously in general cultivation in America, brought out a number of contestants. The following were noted: An improved form of *Nephrolepis Piersoni*, from the F. R. Pierson Company, Tarrytown, N. Y.; *Nephrolepis Scottii*, from John Scott, Keap street, Brooklyn, N. Y.; the yellow calla, *Richardia Elliottiana*, from H. T. Clinkaberry, Trenton, N. J.; the rose, Killarney, from Siebrecht & Son, New Rochelle, N. Y.; the rose, Dorothy Perkins, the new pink rambler, from J. H. Troy, New Rochelle, N. Y., and *Phyllocactus Jules Schlumbergii*, from F. Wienberg, Woodside, L. I., N. Y.

On close examination the list does not contain many really new things that could be classed as distinct novelties; for example, *Richardia Elliottiana* and the roses, Killarney and Dorothy Perkins, but a good deal of stress seems to be put on the words, "not in general cultivation in America," and many found here the loophole which brought forth the large display. In the final judgment the contest really lay between the two ferns, and, although *Nephrolepis Piersoni* Improved won, it was no disparagement to the other aspirant. The two are entirely distinct, and each will find its own place for future usefulness. *Nephrolepis Scottii* is a dwarf, compact form of the old Boston, with rather narrower fronds. It is an ideal fern for the commercial grower. It will stand all the rough usage of the older type, will make a perfect table fern and shows none of the legginess in a small pot that the old favorite does.

The improved *Piersoni*, on the other hand, is a much improved form of *Piersoni*. The first *Piersoni*, as everyone knows, is once more pinnate than the Boston, or, strictly speaking, bipinnate. In other words, the frond is once more cut. The improved variety is a pinnate form of *Piersoni*, the pinnae being again cut and pinnatifid, and is as distinct from the original *Piersoni* as *Piersoni* is from the Boston. The fully matured frond is twice as broad as the parent, is not quite as long and makes a very compact growth. The pinnules are as thickly set upon the rachis or midrib as they are upon the original Boston, but being so much longer and subdivided they are imbricated or overlap one another so much so that the back of the frond presents the same appearance as the front, and, taking, as it were, a profile view, the frond is from one to two inches thick.

Nephrolepis Piersoni Improved is the *Farleyense* of the *nephrolepis* family, an aristocrat amongst ferns, and destined to become one of the most popular. We understand that it possesses all the freedom of growth and hardiness of the former parents. The plant, exhibited in a ten-inch pan, was certainly the finest thing that we have yet seen in the fern line.

TRAVELER.

World's Fair Notes.

Murat Bony & Company, of Paris, have placed on exhibition in the Palace of Horticulture a section of greenhouse roof showing their patent system of puttyless glazing, of which they claim to have erected more than five million square feet in all parts of the world. The sashbars are of inverted T-shaped iron. The glass measures about six by one and one-half feet and contains a screen of brass wire with a half-inch mesh. The glass is held in place by means of a cap of thin sheet lead, which is fastened to the sashbars by means of copper clips. While it would undoubtedly prove very durable and might answer well as a covering for palm houses and large conservatories in countries with a mild climate, it hardly seems likely to be of value in sections where the mercury drops below zero.

The nurserymen and florists of California have made a very large and very interesting exhibit of tropical and subtropical plants. Most of them are in the conservatory, but a large number have been used for the decoration of the California section in the various exhibit buildings and the grounds about the California state building. Owing to



FROND OF NEPHROLEPIS PIERSONI IMPROVED.

delays in transit many of them arrived in bad shape and dropped most of their leaves, but they have now practically recovered from the check. The exhibit contains a great variety of palms and citrus fruits, such as oranges, lemons, limes and pomelos.

The floral clock has been in operation for a number of days and has attracted its full share of attention. As the dial is 112 feet in diameter, the point of the minute hand has to move something more than five feet each minute. The mechanism of the clock and hour-dial seems to be working perfectly and the floral dial is even more of a success than was anticipated, as the figures of dark-colored coleus can readily be made out a long distance off against the background of centaureas and cinerarias. The plants for the dial form a part of the exhibit of the St. Louis Seed Company.

D. Moriarty, of New Orleans, has placed eight vases of carved and polished granite on either side of the walk connecting the palaces of Agriculture and Horticulture. They are nearly five feet in height, with basins two feet in diameter. As they are valued at \$1,200 a pair the number of orders that will be taken is not likely to be large, although as specimens of the stonemason's art they are certainly worthy of careful inspection and admiration.

Denaiffe, of Carignan, Ardennes, France, is making an interesting and extensive exhibit of vegetable seeds, especially of beans and peas. The exhibit also contains a number of catalogues and pamphlets relating to the culture of vegetables.

The steep banks south of the palace of horticulture will soon be a mass of color as they have been planted with several thousand gladiolus bulbs and a variety of showy annuals.

EXHIBITION SCHEDULE.

Special exhibition of cut flowers by amateurs July 18 to 23 inclusive. Entries close July 15, or Friday previous to the week of exhibition, and should be made to the Chief, Department of Horticulture, World's Fair, St. Louis, Mo. The different sections of the country being so varied as to time of blooming, any variety will be eligible for general display in any quantity. The general display can be made up of any variety and any number of varieties. The quality and quantity will be taken as the first consideration. Suitable awards, medals and diplomas will be given for meritorious exhibits. See rules and regulations governing these exhibits.

Any person who wishes to make a special display of any kind of cut flowers at any time may do so, rules and regulations being adhered to. Full schedule of flower shows will be furnished prospective exhibitors on requisition to Chief, Department of Horticulture.

The week July 25 to 30 inclusive will be given over to a special display of peaches.

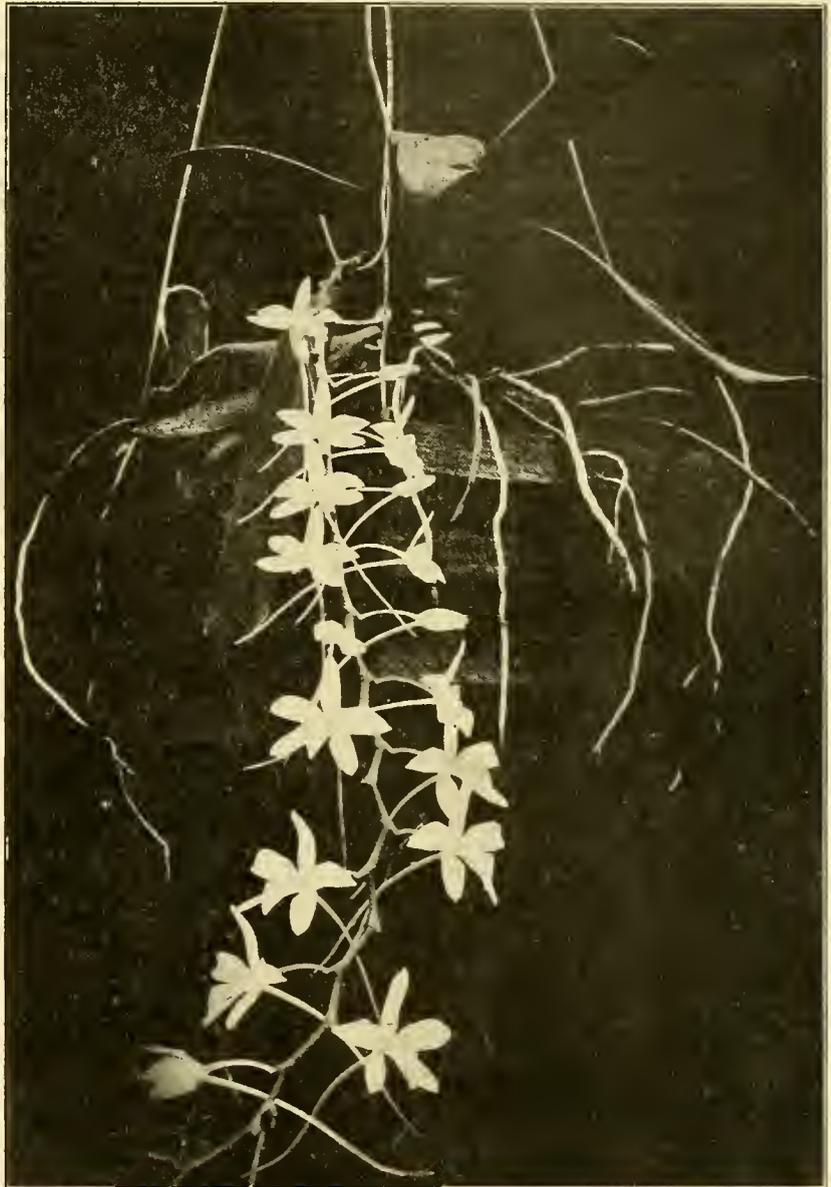
F. W. TAYLOR,
Chief, Department of Horticulture.

FLOWER SHOW RULES AND REGULATIONS.

All sufficiently meritorious displays will receive a reward. The first will be a diploma, the next a bronze medal, the next a silver medal, and the highest a gold medal.

Suitable vases will be furnished by the Exposition management and exhibits will be properly staged where exhibitors do not personally attend.

Judges will be chosen from the most eminent specialists for the respective displays.



ANGRÆCUM SANDERIANUM IN FLOWER, JUNE, 1904.

All exhibits must be correctly and legibly labeled.

Exhibits must be prepaid to the Exposition grounds.

The superintendent will be empowered to remove any exhibition that is no longer attractive.

A business card not to exceed 6x9 inches may be displayed with each exhibit.

Angraecum Sanderianum.

Angraecum Sanderianum (syn. A. modestum), a charming, graceful and free flowering plant with spikes one foot long, bearing two rows of snow white, fragrant flowers, twelve to twenty or more in number, is now flowering in my collection. It was discovered by Leon Humblot in the Comoro Islands and sent to F. Sander & Company, who flowered it in 1888. It should be grown in a warm house and is of easy culture, improving with age. In 1900 a plant was flowered by G. L. Ball in England which bore three racemes of twenty-six and twenty-eight flowers each.

R. SCHIFFMANN.

American Rose Society.

At a meeting of the incoming officers and executive committee of the American Rose Society held July 1 the following special prizes were formally accepted and request is made for publication in the horticultural press so that growers may be informed:

For twenty-five pot roses, not climbers, not less than ten varieties, silver cup, value \$50, presented by Col. Chas. Pfaff, Boston, Mass.

For twenty-five blooms of any American seedling rose introduced in or since 1901, President Montgomery's prize, \$25.

For fifty blooms Killarney rose, \$25 offered by Siebrecht & Son.

For fifty blooms La Detroit, \$100 offered by John Breitmeyer's Sons, divided into three prizes—\$50, \$30, \$20.

For specimen Wichuraiana hybrid, any variety, \$15, presented by Benjamin Hammond, Fishkill-on-Hudson, N. Y.

For fifty blooms Liberty, two prizes, presented by J. B. Nugent, New York, \$35 and \$15.

For twenty-five blooms of any new rose not yet disseminated, the flowers to be of

adequate value, two prizes, presented by J. B. Nugent, \$15 and \$10.

For display of cut blooms of roses, not less than five varieties and not less than twenty-five blooms of any one variety, to be competed for by growers outside of a radius of 150 miles of Boston, as measured by railroad time tables, prize presented by Benjamin Dorrance, silver cup, value \$100.

The regular prizes of the society will consist substantially of divisions A. and D. of last year for named varieties of Teas, hybrid Teas and H. P.'s, twenty-five blooms of the first two classes and twelve in the last. Prizes \$10 and \$5.

For American Beauty, twenty-five blooms, \$10 and \$7.

Special prizes are offered by the Boston Gardeners' and Florists' Club, and also by the famous "old guard," particulars of which will be given out later. It is further hoped to add many special prizes to the list as now announced. President Montgomery reports a feeling of much enthusiasm in Boston over the coming meeting, and he is hard at work gathering in members. He reported five life members besides annuals.

MARKET GARDENS.

THE Coachelli Producers' Association of the Coachelli district, California, is shipping the finest Netted Gem muskmelons by express to all parts of the eastern states.

VIRDEN, ILL.—D. H. Maines, of Norwich, Conn., has leased fifteen acres north of this place and will go into growing garden produce for market and small fruits. A greenhouse will be run in connection.

WEST SUPERIOR, WIS.—F. H. Rockwood has built a new house, 20x100 and plans to build two more, principally for raising lettuce and cucumbers. He raised a fine lot of pansies this spring, selling over 30,000 plants.

DEADWOOD, S. D.—A greenhouse will be erected by a company of Deadwood men who have purchased Olympic park. The company intends to run the business on extensive lines, and will carry at all times a fresh line of vegetables and a choice line of plants.

NEWPORT, R. I.—Stewart Ritchie has a house of tomatoes that is well worth seeing; the clusters of fruit are thick, and the individual tomatoes will be of good size. There is a large and continuous demand here for hot-house tomatoes all through the season, and good prices are obtainable, making them a paying crop. Tomatoes now wholesale for 20 cents per pound; last season the lowest they went here was 12 cents per pound.

Puff Ball Culture.

ED. AM. FLORIST:—Can you tell me where I can find how to grow the puff ball that some people eat and where to get the material to start such a bed?

C. N. S.

There is no spawn of the common edible puff balls on the market and I believe there is no one who could supply such material at present. In our general studies of mushroom culture we have obtained pure cultures of the spawn of several puff balls, notably the purple-spored species, *Calvatia cyathiforme*, and the brain-shaped form, *C. craniiformis*. We have not as yet, however,

prepared any spawn of either of these species in quantities for distribution. Experiments have been begun with a view of ascertaining if such species may be grown to advantage in beds or in other situations, under control. It will not be possible for us to report definitely upon such work for another year, our time having been thus far well consumed by a study of the conditions of growth, methods of spawn production, etc., of the common edible species *Agaricus campestris*, and of one or two related species. It is to be hoped that some method will be developed whereby the puff balls may be grown for home use and for market.

B. M. DUGGAR.

New York Florists' Club Outing.

When the New York Florists' Club arranges an outing—whereat, in theory, at least, opportunity will be afforded for all the members and their families to get acquainted all round—it is observed that straightway many, aye the majority, of the members hie themselves off to other fields and waters. Even as did the "bidden guests" of the old parable, they straightway began to make excuse for one had taken a wife even. Not but that it is perhaps as well to have it so, but is it not strange? Verily the old order passeth and we are looking on at the transition from the dominance of one generation to that of another. The younger bloods are taking the reins, and changes of sundry kinds are felt to be around. Very few of the famous old guard of the Empire City Florists' Club boarded the good ship *Isabel* as she lay at the dock in the East river on Wednesday, June 29. And those few who did come were accompanied by those growing scions who shall govern floriculture in a few short years.

In two generations and in three generations did they come—one from Flatbush

translated thence from Alsace over thirty years ago was a full dozen strong. And those who have not yet rendered their full duties to the land that affords them a living did the next best possible thing and brought their cousins, their nieces—and others—God bless them all, for they were the life of many a lively coterie when happy banter and whole-souled fun helped along the all too short day, and the evening too. The day had opened with most unpromising conditions of weather. Rain fell heavily at 6 o'clock and some who would otherwise have turned up, instead turned over, and forgot the outing. It was their loss. As the time for the start drew near the clouds drew away and the sun shone forth. We were glad we came. The bandmaster did not rise to the occasion and render *Bethoven's* famous symphony which has been called "From Rain to Sunshine," but he nevertheless struck a note of harmony in the company as we rode up the sound plantation and popular airs of the day captivated the lively spirits and song ruled loud and strong.

The Wizard of Oz has told us that "Many wear a yachting cap that never owned a yacht," and so it was for the yachtless caps to be here. Do these things, like the club, have an annual outing too? For they do look familiar. The bowling cranks earned the thanks of many young and lovely scions by so delaying the start for the return that we came back under cover of night. It was a dark and stilly night, hot enough and close enough on shore—judging from the sights which loomed big before us as the powerful searchlight uncovered the fact of uncovered humanity by the score along the water edge. "They were naked and were not ashamed," for they danced with glee as the *Isabel's* eye rested upon them. On board the breeze was fresh, to suit our



PANSY BED AT THE WORLD'S FAIR.

(Peter Brown's, Lancaster, Pa.)



AT THE NEW YORK FLORISTS' CLUB OUTING, JUNE 29.

spirits, and when the band struck up a gliding waltz or lively two-step there was a spontaneous breaking into dancing. Then were the stay-at-homes blessed too for our two hundred on board had ample space to indulge. Not that all danced; some sought shelter and quiet in sweet communion of souls under umbrella shade although it rained not and once in a while the ship's eye dug out a pretty picture. There was a good excuse for carrying umbrellas in the early morning, but none at night.

There was no lack of good comfort nor of good cheer of the old-fashioned sort. Traendly, Nugent, Sheridan and Bunyard made up the big four who "did things," and they brought along the skillful John from the Rialto, who drew the cork and set up the ice and seltzer as though the main deck of the Isabel was the famous Twenty-eighth street resort. But that was the only touch of "the street" that came along. The grades of roses, the ruling prices and all the other things that so bother both the grower and the commission man were left far, far away. For the ladies—again God bless them—were here, and ladies are notoriously impossible in business. Never for a moment, when the boat was away from a dock, did the New York Florists' Club fail to demonstrate its traditional liberal hospitality. If you came hungry it might not have been your fault, but if you returned hungry it was no one's blame but your own.

At last the grove! Grillingly hot, someone thought that certain "contrapshuns" should have been brought along to cool us off the while our records were

being "taken." You can't excursionize as a club anywhere nowadays but the black artist turns up. Here a regular photographing stand has been erected. Willy-nilly the counterleit presentment is made, and, of course, some trade paper has to lay it before a suffering world. Why can't we enjoy a little holiday on the side without someone trying to drag the fact into the glare of publicity—not that it matters much at times, the presentments often being terrible forgeries. And besides, you can always find some lady's hat consistently placed as a screen.

We dined. The band essayed Scottish airs. We like Scottish airs better than anything that comes from a band—as a rule—but that band's strong point was everything else. Still we dined. And then the sports.

"Place aux dames." Ladies first in the bowling alleys. O'Mara and Shaw in charge worked hard and fast. L. Schmutz, Jr., kept the tally and the novices won hands down. Why?

Quickly as possible event succeeded event on the track. Fat men running as veritable "puffing billies," the thinnest man of all stalking along "like a pair of scissors." We ran, we jumped, we did wonders in unwonted athletic stunts, and through it all, coldly marking the results, stood Official Scorer Sheridan. Others did the shouting and got tired, but not he.

All the afternoon men, women and children raced and cheered. At last the strains of music called some to terpsichorean revels—alas! all too brief. Sun and tide wait for neither man nor woman. The dance had to quit when that band started for the boat. Bowling was still

in full swing, and many were the urgent calls. Three last whistles from the steamer before the dark and hot alleys were vacated for the breezes of the sound.

Sad is the record! "Bowling events unfinished." For what scores would have been made by those who did not get in! The untold and the unacted in history has ever held great probabilities. "Saddest words of tongue or pen are these, 'It might have been.'"

ARGUS.

Saffron Flowers.

Prices of American saffron flowers have been advanced daily for the past week, and the bullish faction in the market expects a continuance of the upward movement until values are about three times as high as at present. The advance is caused by the fact that the new crop in Mexico is reported a failure, the predicted yield being about 2,000 to 3,000 pounds, against 20,000 to 25,000 pounds last season. Thus far only six bales of the new crop have been received in this market, and they were quickly sold.

LYNN, MASS.—J. F. Dolansky has removed from Warren street to Euclid avenue, where he has a range of new green-houses.

ST. CLAIR, PA.—William Tait, a landscape gardener of Lower St. Clair township, has filed a petition in bankruptcy in the United States District court. He gives his debts as \$2,572.03 and his assets as \$160.49.

THE RETAIL TRADE

A Handsome Wreath.

The engraving herewith shows a handsome wreath which has been prepared for the unknown dead of the General Slocum disaster and presented by A. Herrmann, of New York. The photograph from which the engraving was prepared did not do justice to the wreath, which was sixteen feet in circumference and stood on an easel nine feet high. It must be seen to be appreciated. The inscription on the wreath is "In Memoriam den unbekanntten Todten." The design will be placed on the grave of the unknown dead at the Lutheran cemetery, L. I., July 10. Everyone that has seen the wreath says it is very handsome.

New York.

The dullness of trade typical of July is very pronounced this year. Product is coming in in great quantity, but the market is not taking it all and much waste results. The vacation season has commenced and dealer and grower alike are preparing to take things easy. There was a little scramble on Saturday for red, white and blue stock for Fourth of July decorations, crimson gladioli, white carnations and blue cornflower going off easily. Blue cornflower brought from 12 cents to 20 cents per 100, and crimson gladioli \$1 per dozen. Roses, while plentiful, show no improvement in quality. Prime stock is scarce and is freely taken at top prices. Buyers seeking white roses for decorative purposes not infrequently turn to white carnations as a substitute. American Beauty roses are in rather poor demand, excepting choice stock, which soon goes at the highest figures. Lily of the valley has been a poor seller for many days, and even holiday requirements did not affect it. Good stock was sold as low as \$1 per 100 to clean it out. Lilies are also hard to move. Some growers are only starting to bring them in and are throwing them into the market in lots of a thousand at a time, with a large percentage of wilted blooms among them, prices as a result running from 1½ to 2 cents. Sweet peas are in heavy supply, but the stock is short of stem on account of the prevalent hot weather. With extra long stems 2 cents better than quoted prices is obtained. The supply of asters is increasing and the quality improving. Stock with long stems is bringing \$1 per 100. Iris is very plentiful, and is taken mostly by florists who find it economical to use for window display. It brings 50 cents to \$1 per 100.

What a change has "come o'er the vision of my dream" of Coney Island. The old time shows and booths are replaced largely by modern combination enterprises. Dreamland is modeled after the plaza of the Pan-American exhibition; it is a veritable white city. Across Surf avenue at Luna park the florist has been called upon to do his share in making things look beautiful. The houses have their roofs completely planted over with all sorts of window-box plants. Even the tall standards carrying the electric lights are crowned with a circular box in which are flowering plants—no shams; all genuine. The mural decorations of the buildings are in a key plainly taken from the growing plants. The place is a kaleidoscope, and it is the florist who has struck the chord to which all is attuned. There is good carpet bedding

in odd corners. Wherever a place could be utilized for a flower bed or a plant box there is one or the other, on roofs, on balustrades, stairways and poles. The effect is good.

At Bloomingdale's department store Walter W. Burnham has a new roof greenhouse, 42x98, and a new store, 40x40, with marble counters, mirrors and other fixtures strictly up to date. The department runs four big double wagons in season. The rear parts of the wagons are dropped to admit large palms and plants. These are special plant wagons, and are independent of the other delivery wagons of the concern. Mr. Burnham is entitled to great credit in building up the business of the department. One feature of it is the filling of fern dishes for customers, calling for and delivering them. The west wall of the new building is being painted in colors to imitate an Italian villa, and the roof greenhouse completes the picture in a realistic way, making the whole a very showy and effective advertisement.

The outing of the Florists' Club is still a strong topic of conversation. The "pot race" for the Cleary prize, a \$35 suit of clothes, awarded to Chas. Lenker, was decidedly novel. A row of pots each containing a sealed number covered the course, and the numbers in the pots brought in by the runners were labeled for scores. Some of those getting the larger number of pots were woefully short on score, as the pots were well shuffled before disposition. Mr. Cleary is to be congratulated on his conception of a game which is likely to figure annually in the club's sports.

The executive committee of the American Rose Society met on July 1 and considered the schedule of prizes and other matters connected with the meeting and exhibition to be held at Boston next spring. It was decided that the perpetual challenge cups be so offered that they may become the property of the winner and also that the general classes be so divided as to give a fair proportion to commercial and private growers alike.

"Flower Market," at 3 West Forty-fourth street, to be opened about September 15, evidently a retail establishment, is being advertised in June periodicals. The card contains considerable information. One sentence reads: "When you enter our place you will find that there are no beautiful marble counters or gorgeous effects to add to the expense—you can buy flowers for one-half the prices charged elsewhere."

Miss Margaret Hallinan, daughter of Mrs. F. G. Hallinan, florist at 407 Third avenue, was valedictorian in the graduation exercises at St. Stephen's school and the winner of a gold watch for the highest percentage of marks. Ford Brothers, Charles Millang and James Hammond sent the young lady immense baskets of flowers for the occasion.

The plans for the new bridge to extend from Bowery and Canal street, New York, to Myrtle avenue, Brooklyn, just made public, provide for hanging gardens to top the four anchorages. These gardens will be 120 feet above the water, and each will be as large as a theater orchestra floor. The bridge is to be completed about 1909.

The ficus beds at Fritz Dressel's in Weehawken, N. J., are looking red. His stock of *Dracæna Lindenii* is doing well. Though successful in a large way with Boston ferns he is always inventing a new wrinkle or two in their cultivation.

John N. May was in town on Friday of last week attending a meeting of the

American Rose Society. It is his second visit to the city since he was taken sick several months ago. He is well and vigorous, but has difficulty in walking.

Charles Millang is turning his old plant room into a show room for cut flowers, and building therein a 12-foot ice-box. Mr. Millang is preparing to handle some very large shipments of asters this season.

James Hart has sold his greenhouses at Madison to Robert Schultz and will reenter the ring actively as a wholesale commission florist at the old stand on West Thirtieth street.

P. Ouwerkerk has moved from Jersey City to 216 Jane street, Weehawken Heights, N. J. On July 11 he will sail on the Statendam for Holland, with Mrs. Ouwerkerk.

Theodore Wirth, superintendent of parks, Hartford, Conn., has been spending a few days on Long Island with relatives. His family is still in Europe.

Many of the wholesale florists this week are closing their establishments at 4 o'clock in the afternoon and will continue to do so during the heated term.

Benjamin Dorrance is away on his annual fishing excursion. This year it is Belle Isle, Me., where he will camp, free from the cares of any sort of business.

Mrs. E. C. Matthes, of Woodside, L. I., sailed June 30 on S. S. Bremen for Bremen to visit her parents. She will return early in October.

Mrs. Josephine Joslin will close her retail florist's store at Ninety-eighth street and Broadway on Saturday, 9th inst., for two months.

Victor Dorval, of Woodside, L. I., has been busy painting and renovating the house on the property recently purchased by him at Manhasset.

Mrs. E. P. Miller, mother of Louis Miller, assistant to Mr. Noe, of the New York Cut Flower Company, died on the 2nd inst.

The directors of the Cut Flower Exchange have decided to discontinue their meetings until after October 1.

Herman Branch, 681 First avenue, is taking a two weeks' vacation in the Catskill mountains.

Wm. C. Duncan, of Astoria, L. I., went to Buffalo and Niagara Falls over the Fourth.

The auction business still hangs on at Cleary's Hall, but the supply of stock is small.

Hy. Lustgarten, of Manhasset, L. I., was married on June 28 to a New York lady.

The New York Cut Flower Exchange has declared a dividend of ten per cent.

J. H. Troy and family sailed for Europe on S. S. Lucania on Saturday July 2.

Visitors: A. Montgomery, Natick, Mass.; J. N. May, Summit, N. J.

Chicago.

There is little or no improvement in the market over the conditions of last week. Quiet is the watch word all along the line, and the duller period of the year is upon us. There is not much of the better grades of any line in the market. White roses are unusually scarce and are not to be seen in many places. The demand for carnations has been remarkably slim during the last week or two, this condition being induced in a measure, no doubt, by the general poor quality of the stock. Peonies are yet to be had of the cold storage variety, and they are holding their own in the public favor. Candidum lilies were an important factor in the market this week. Valley is not

too plentiful and the price has been boosted up a notch.

There probably will be no change in the Lincoln park board situation for the present. Commissioners Francis T. Simmons and Burr A. Kennedy, whose resignations were requested by Governor Yates recently, may be permitted to hold on, and there will be no necessity for President W. W. Tracy and Commissioner Bryan Lathrop to resign. Mr. Lathrop took luncheon June 30 with the governor in the latter's rooms at the Auditorium Annex. The commissioner had with him plans of the park improvements that are being made and are to be made, and these were explained to the executive in detail. The governor became interested at once, and Mr. Lathrop then suggested the wisdom of retaining men on the board who are familiar with the plans and the desires of the public in regard to them.

E. Peiser, of Kennicott's is a close observer of cause and effect and he ascribes the general poor business during the month of June to a number of conspiring forces. First, the weather kept practically all crops back regularly from fifteen to eighteen days. The Early Rose peony last year was cut in time for Decoration day, and by that time Kennicott's had already sold 1,000 dozen. The earliest of the same variety cut this year was June 15. Outdoor stock was fully ten days late and prices were not nearly as high as last year. A five per cent falling off in values was the result.

The street vendors and sidewalk stand men to the number of twenty appeared before the compensation committee of the city council last Thursday, seeking the privilege to use sidewalk space. The aldermen decided that a fair rate of rental would be \$1 to \$2 a day for each square foot of public space used or an annual compensation of \$360 to \$720. The figures have not yet been definitely fixed.

E. Peiser, of Kennicott Brothers Company, will leave the latter part of the month for Winnipeg, Canada, where he will spend the summer, far from the haunts of man and the din of business. Mr. Peiser's health makes several months' recuperation imperative, and he certainly deserves a rest.

William S. Scott, managing editor of the Pittsburg Gazette, called upon some of his old friends in this city last week. Mr. Scott was formerly connected with William Edelfsen, of Milwaukee, under the firm name of Edelfsen & Scott.

A. Dietsch has returned from a sojourn of several months in the south. Most of this time he spent in the state of Florida. The trip proved very beneficial to him and he returns to work with renewed energy.

The early closing movement among the wholesalers has borne fruit, and now practically every house is closed at 5 p. m. during the months of July and August.

C. De Wever, formerly with Vaughan's Seed Store, has taken a position at Camp Lewis, St. Louis, Mo., where he will develop the landscape features.

Bassett & Washburn are commencing to cut their new stock of American Beauty roses. They have many qualities of excellence and are good value.

Lilium candidum is in the market in excellent form, the E. F. Winterson Company handling large quantities. They are proving good sellers.

E. C. Amling and family are sojourning at Antioch, Ill., on the romantic banks of Lake Marie. They left Wednesday and will remain over a week.

Firemen employed by the South Park



A HANDSOME WREATH.—See page 954.

board have submitted a demand for an increase in wages from \$60 to \$68 a month.

A. L. Randall is spending some time at his delightful country place at Benton Harbor, Mich.

J. Aldous, recently with Thomas Young, Jr., of New York, is now with John Mangel.

Weiland & Risch have commenced their eighth year in the wholesale business.

Outdoor stock about this city is suffering from drought.

Jos. Bock, of Burlington, Ia., was a visitor this week.

Philadelphia.

This is holiday week and there is very little doing. There is the usual stock of midsummer flowers, which are about as good as one can expect for the season. Beauties are now very poor and except for a few from out of town are not worth keeping in stock. Prices range from \$1.50 to \$3 per dozen. Teas are also only fair. Where is the man to bring out the pink Kaiserin? He would surely be well rewarded. Sweet peas are still plentiful at 20 to 50 cents per 100.

The July meeting of the Florists' Club was held last Tuesday evening. Convention matters was the chief topic, and although nothing definitely was decided all the committees reported progress. The route is the most important thing, and there has been no decision; \$24.75 is the price for the round trip, parlor and sleeping car extra. There is no great enthusiasm as yet, but this may develop later. The next meeting is to be devoted to up-to-date cannas, also asters, with an exhibition of each and a discussion on their various qualities and best methods of culture.

David Bearn and brother, of this city, sailed on the steamer *Ethiopia* from New York Saturday, July 9. They are to visit and live for a while at their old home in Scotland in the hope that "Davy" may regain his health. His many friends hope to see him soon again,

fully restored and able to be among them as of yore.

Robert Craig & Son have just planted their large carnation range with stock for the winter. Prosperity, Vesper and Enchantress are the three leading varieties. A house of Pierson ferns looks very fine; it is growing under the full sunlight, which Mr. Craig says makes the plants stocky.

Wm. J. Moore has closed his place on Sixteenth street and is temporarily located at 13 South Seventeenth street. He says he will open September 1, after his summer vacation, better prepared than ever to supply his patrons.

Bernheimer is still receiving some good Queen of Edgely and is strong on double white petunias. These latter are fine large flowers and cover up the ground much better than carnations in set pieces.

Leo Niessen is handling some fine Beauty and Kaiserin from a distance. As many as a 1,000 Kaiserin roses come in a shipment, and they are very high.

Ed Reid is getting some fine Crocker carnations for the season, being almost up to the winter standard. He says they come from the mountains.

S. S. Pennock is getting some out-of-town roses and carnations that are considerably better than home grown stock.

K.

NOTES.

F. T. Way & Brother, Kennett square, are shipping their first lot of purple asters to C. F. Edgar & Company. Rakeshaw & Pyle, of Kennett square, are shipping to the same concern some choice Flora Hill carnations.

Godfrey Aschmann, 1012 Ontario street, has purchased a lot adjoining his property and will build a 70-foot house. He will also rebuild two old houses.

There has been a good demand all season for English ivy, principally for cemetery work, and the supply is short. Last winter was very severe on ivies.

Berger & Brother, 1220 Filbert street, are outgrowing the premises they occupy and are looking for larger quarters.

Boston.

Dr. C. L. Marlatt, of the Agricultural Department at Washington, is in Boston to take up the work of investigation of the gypsy and brown-tail moth pests. He has the assistance of A. H. Kirkland, who has given much time and study to this subject. The alarming increase of these insects this year compels attention and emphasizes the gross stupidity of those responsible for the cessation of the work of extermination by the state when it was well in hand. The legislature has made a mistake in the treatment of this problem, which seems incomprehensible and almost idiotic.

The Boston Co-operative Flower Market has been incorporated with a capital of \$5,000 and the following officers: President, Charles E. Dickman, Dorchester; treasurer, George W. Ayer, Reading, Mass.; clerk, Winfred Wheeler, Concord, Mass.; directors as above named and Edward Wood, Lexington, Mass.; Elijah Cartwright, Wellesley, Mass.; John McFarland, Easton, Mass.; John W. Foote, Malden, Mass.; Norris F. Comley, Lexington, Mass.; and Donald Carmichael, Wellesley, Mass.

Faulkner Farm, Mrs. Chas. F. Sprague's beautiful estate at Brookline, is open to the public every Thursday afternoon this summer from 1 to 5 o'clock. The beauty of this place with its magnificent Italian garden, imposing terraces and superb trees is far-famed, and the opportunity to inspect and admire it is eagerly improved by large throngs of visitors.

At Lexington, Mass., there is a clump of peonies said to be 130 years old, it having been growing in a garden at Charlestown, Mass., since the revolutionary war and recently successfully transplanted to Lexington.

Seceding stall holders from the Columbus avenue flower market have leased Bumstead hall, under Music Hall theater, with entrances in Hamilton place and Winter street for purposes of a market to be opened at an early date.

Mrs. Welch, wife of David Welch, of Welch Brothers, died on Thursday, June 28. The funeral at St. Peter's church, Dorchester, on July 4, was attended by many friends in the trade.

John H. Dee, formerly of the firm of Dee Brothers, died at Mount Auburn, July 2.

Alfred Akerman has been confirmed as state forester for Massachusetts.

Baltimore.

Trade is about down to its normal summer bounds. There is nothing in excess of demands, and calls for first-class flowers finds them lacking. Prices necessarily sag with the declining quality. The plant trade is over and much complaint is made by the market men as to its restricted volume for the season. The weather is fine. For a week we have enjoyed the most delightful summer airs and skies that any climate can offer; the sun is vivifying, its rays warm but not scorching and tempered by the freshest and purest zephyrs, and nights so cool as to demonstrate that they are just made for refreshing sleep. It has been years since there has been so favorable and pleasant a season for filling rose houses and the work has been generally expeditiously done.

Gilbert H. Paterson, whose fatal illness was referred to in these notes, died on July 1 and was buried in the family lot at Govanstown cemetery, July 3, his funeral being largely attended, the Gardeners' Club being well represented, with

others of the craft present. William Madsen, Isaac H. Moss, John Dunn, Charles Bucher, Christopher Waldenburg and Fred G. Berger acted as pall bearers, all being florists. Mr. Paterson had a large family connection, all engaged in the trade. He had reached a great age, 85 years, and was known widely throughout the community. For many years he was in business on his own account, and was long gardener, previously, to Johns Hopkins, one of the most prominent and wealthy citizens of Baltimore.

L. A. LaClarme, who came from Rochester, N. Y., to take the position as foreman at Wm. B. Sands' place at Lake Roland, Md., has engaged with Hugh Aumann, at Norfolk, Va., and George E. Jacobi, who has been employed with Samuel Feast & Sons, succeeds him with Mr. Sands.

The large space in the greenhouses of Mrs. Dr. Henry Barton Jacobs, at "Uplands" heretofore devoted to forcing vegetables, which has long been a specialty at this place, has this year all been planted in roses. What disposition will be made of the product is not announced.

W. Murray Stirling, of Mt. Washington, who has been growing roses and carnations for the trade, has concluded to retire from the business and has sold the material in his plant.

Thos. H. Paterson has returned from a month's visit to the north, much improved in health.

The Stevenson Brothers, near Govanstown, are erecting two new rose houses, each 100 feet long.

John Cook has been sick again, this time with a bilious attack, but he is convalescent. S. B.

Washington, D. C.

Fireworks have been better sellers than flowers the last week, though on the morning of July 4 trade was pretty brisk and a considerable quantity of outside stock was handled. There are but few good greenhouse flowers on the market, but as there is not much call for them nobody is at much inconvenience on that account. There have been several weddings that called for good decorations and considerable funeral work; but the people who make the life of the florist worth living are on the ocean or at seaside or mountain resort.

A new Fourth of July diversion hereabouts is a "flower party," and the programme follows: Each couple—they go in couples—is provided with a basket and all are told to assemble at a particular point at 2 o'clock in the afternoon for luncheon. The couples take different routes, and traverse glen and hollow, field and woodland, in search of wild flowers. At the reassembling the flowers are made into bouquets and the couple presenting the prettiest bunch of wild posies is entitled to the prizes, in one instance, a handsome white silk lace-trimmed parasol for the lady and a silk umbrella for her escort. This seems like a pleasing way of spending the Fourth and as it can't hurt the florists at this season and can't be repeated in winter, I cheerfully endorse it.

Nearly all the retailers, since the heated term began, are closing their stores earlier. This is a good move, and I hope Sunday afternoon closing will follow. It is necessary, in order to fill church and cemetery orders, to keep open for a time on Sunday morning, but if any retail florist in this or any other city is at the year's end a gainer from having kept

two or three clerks from Sunday rest and recreation I would be pleased to see the figures. If an employer is not influenced by the dictates of religion he should be by the consciousness that he himself needs rest and that his employes are of like flesh and blood.

J. M. Harner & Sons, who have hitherto been growers of bedding plants in the northeast section of the city, have taken a lease on the greenhouses of Mrs. Esch, at the intersection of New York and Florida avenues. It is their purpose to grow roses, carnations and chrysanthemums in the Esch houses, and also to enlarge their plant business, which has been better this year than ever before. They have also taken the stall in Center market for many years occupied by Mrs. Esch.

Col. Joseph H. Brigham, assistant secretary of the United States Department of Agriculture, died suddenly of heart disease on the night of June 29 at his old home, Delta, O. His health had not been good for some time, yet the news of his death came in the nature of a shock to his associates and subordinates in the department. Col. Brigham was very popular with those who served with him in the department, and the news of his sudden death caused profound regret.

Carnations in the field are looking well. I have heard no complaints of stem rot, and so far as my personal observations have extended the crop is in fine condition. J. Louis Loose, C. A. Shaffer & Company and David Grilboetzer have each as fine a lot of growing plants as one could wish to see. Loose, who has for several years grown about 30,000 plants annually, has made changes in his houses whereby he expects this year to bench an additional 10,000 plants.

A number of fine designs were noticed at the funeral of J. N. McDonald, a Grand Army veteran and formerly a Kansas newspaper man, who, at the time of his death, was a member of the U. S. capitol police. The capitol force sent a handsome wreath bearing the initials "U. S. C. P." Other fine pieces were from Lieut. Daley, of the Metropolitan police force, and the Perseverance lodge of Good Templars. Interment was in Arlington.

John C. Allen, who has for several years been general mechanic at the Loose range, has moved his family into the dwelling house on the place, and has established a boarding house that furnishes home comforts to Mr. Loose's employes. Having sampled the fare I know whereof I speak.

Otto Bauer, the novelty florist of Washington, is doing a good business in cut flowers and Japanese novelties. Neutral orders have no terrors for him.

Shaffer & Company are somewhat disturbed over the prospect of the Pennsylvania railroad running five or six tracks through their tract of land.

James Quinn, foreman for A. B. Garden, is now comfortably located in his new house recently erected by Mr. Garden.

David Grilboetzer will at once begin the erection of another carnation house, 30x103 feet.

S. E.

Pittsburg.

At the coming of July we always expect the departure of almost all business, and the outlook for the month does not yield any reliable evidence that this fact will be reversed. Roses are in a most summer like condition, and the absence of mildew

is remarkable. Carnations are good, medium and bad, and a sufficient supply of all kinds are to be had. Sweet peas and candidum lilies are especially fine. Boston ferns and palms continue to move nicely.

The eleventh annual picnic given by the Pittsburg and Allegheny Florists' and Gardeners' Club will be held at Ross's grove at Ross Station, on the West Pennsylvania railroad, Thursday, July 14. There will be music, dancing and refreshments. Trains will leave the Ft. Wayne station in Allegheny for the grove at 8:30 a. m. and 10:25 a. m. and 12:10 p. m. and 2:20 p. m. Wagons have been arranged for to meet those going by trolley at Aspinwall station every hour. E. C. Ludwig, E. C. Reinaman and Wm. Lanck are those of the picnic committee.

Geddes & Blind Brothers are erecting a new two-story building, in which they will open a new, up-to-date retail store. In the rear of the store will be a palm and fern house, 20x60 feet. They will also erect a new stable, 20x25 feet.

E. C. Ludwig has decided to construct a palm house, 18x36 feet, in the rear of his new building, 710 East Diamond street, Allegheny. The interior walls of his storeroom will be of white tile and the floor will be of mosaic.

Further picnic arrangements and also arrangements for attending the convention of the S. A. F. at St. Louis will be discussed at the club meeting on July 5.

Dave Geddes will leave next week to fish on Lake Chautauqua, and Mrs. Geddes and son will visit the World's Fair.

Mr. Fancourt and Mr. Watson, of S. S. Pennock's, Philadelphia, spent two days in Pittsburg last week.

John Baldinger, of Ulam & Company, is on the sick list.

E. L. M.

Newport, R. I.

A delegation from the Newport Horticultural Society, consisting of Alexander McLellan, Charles D. Stark, John Finn, James McLeish, Colin Robertson, James Robertson, Andrew Christiansen, John Baumgartner, Alex Fraser, George Taylor, John C. Matley, Hugh Williamson and James Boyd, all well known Newport gardeners, visited the Rhode Island Agricultural College on June 24, and were the guests of President Butterfield and the other officers of the college. The party was shown everything pertaining to the college, and was much impressed with the splendid work the institution is doing. They were most hospitably entertained and enjoyed every moment of their visit. The trip to Kingston, R. I., and return at this season is a most enjoyable one.

A good illustration of the lateness of the season is seen in the blooming of sweet peas. At Stewart Ritchie's sweet peas last year were first gathered outdoors May 30; this season June 20 was the date the first flowers were picked. The growing conditions in both cases were exactly the same, except the weather. This makes the season three weeks late; this is the estimate of the best judges.

F. L. Ziegler furnished the flowers and plants for the Tanner-Fullerton wedding on Thursday. It was a home affair, and the house was most attractively decorated. The bride's bouquet was a shower of Kaiserin roses. Two children carried baskets of flowers, and the bridesmaids' bouquets were of yellow and white.

William Postings, the head gardener

for Winthrop Chamber, at Cliff Lawn, has an elegant collection of strawberries. The varieties most grown by him are Marshall, Gandy, and the old favorite Charles Downing; his berries show great care and most careful cultivation, being large, of perfect shape, and fine color.

The hardy hybrid perpetual roses here were killed back so far last winter that they have not made the usual growth, and as a result the roses have very short stems. The cold wet weather early, when the plants needed heat, stunted their growth also.

The seed stores, which have kept open every evening until 9 o'clock, are now beginning to close at 6.30 for four nights of the week, remaining open Fridays until 9 and Saturdays until 10 o'clock. The seed business is about over for this season.

Recent visitors: Mr. Smith, manager of Peter Henderson & Co.'s vegetable seed department, New York; Henry C. Anthony, Portsmouth, R. I.; L. D. Bryant, representing A. H. Hews & Co., North Cambridge, Mass.; John Beaton, with R. & J. Farquhar & Co., Boston, Mass.; Mr. Campbell, with Vaughan's Seed Store, New York, and W. B. Shaw, Kenilworth, D. C.

Moline, Ill.

The Tri-City Florists' Club held its postponed meeting at the residence of Wm. Knees on the evening of June 16. The meeting brought out the usual good attendance, nearly every member being present. A committee of three was appointed to make arrangements for a picnic to be held some time during the month of July. John Temple had on exhibition a vase of fifteen to twenty varieties of peonies and gave a very interesting talk on the same. Ewoldt Brothers, of Floral Hill, Davenport, had on exhibition a case of their new strawberry, Edna Greene, and the way they disappeared later when they took part in a splendid supper prepared by Mr. and Mrs. Knees would lead one to think that they are the "best what is." Supt. Arp, of Central park, Davenport, furnished the cream, which he claimed was from a goat they have at the park. We all believe him, for he came limping into the meeting with a long scratch on his face, and we know his goat has horns. The club gave a vote of thanks to Wm. Kness, John Temple and Theo. Ewoldt for their part in making the meeting the success it was. The next regular meeting will be held in Davenport July 14.

The firm of Meyer & Behring, of Rock Island, has dissolved partnership, Mr. Meyer buying out the interest of Mr. Behring. The business will hereafter be known as the Long View Floral Company.

Much interest is already manifested in the coming convention of the S. A. F. at St. Louis and half a dozen have already signified their intention of attending.

TED.

Los Angeles.

Florists of this city are now beginning to experience some of the trials that other cities have had. The last winter and spring is the first time florists have had their attention called to the street trade and it is now assuming proportions that will give them cause to ponder. The sale of violets in January, February and March by street vendors was an eye-opener, but the man who drives up with a wagon in front of a place and sells carnations at 25 cents per bunch of fifty

gives a trifle harder jolt to one's feelings. These chaps and department stores can buy all the carnations they want for 35 cents per hundred while I was quoted 50 cents per hundred at the same hour by the same grower. The matter has been taken before the city council who have failed to give us any relief and the street vender has become impudent and arrogant.

A number of the growers are having their fields overrun by a small greenish black sort of black beetle. It eats flowers and leaves and does not seem to care for carnation blooms more than eucalyptus leaves. I have not been able as yet to determine where it came from but I trust its going is near. From cutting 10,000 good carnations a day one field has dropped to about 600 poor blooms.

The Redondo Floral Company has put in two acres of violets for the coming season. Elmo Meserve has put in three more acres of violets this summer. Looks like there would be lots of violets next winter.

POPPY.

Streator, Ill.

The W. C. Hill Floral Company has in progress of erection two large houses, each 40x100 feet, which will give the firm more than 15,000 square feet of glass. Mr. Hill has engaged as foreman F. R. Thornton, who has been connected with a large establishment at Galesburg, Ill., for seven years.

The business of the Hill Floral Company was established twenty years ago by W. C. Hill and consisted of one house, 16x40 feet. The business grew rapidly, and four years ago a block of ground was purchased opposite the cemetery on Riverside and four large houses, each 20x100 feet, were erected. The business still continued to prosper, necessitating the present increase. The improvement in the quality of flowers has kept pace with the demand. The products of the houses are sold through the down town store, which is under the management of Miss Clara Sherman.

The firm not only grows flowers and plants, but has all vegetable plants in season and handles high grade nursery stock and vegetable seeds. It has had a splendid trade in all lines this season. The stock next season will consist of 2,000 rose plants, 10,000 carnation plants of all the new varieties, 2,000 chrysanthemums to be grown this fall and 1,000 miscellaneous plants—palms, ferns, geraniums, etc.

READING, PA.—Lee Hamilton Keller has opened a florist's store at 636 Penn street.

CONGERS, N. Y.—Schneider & Noe have erected on their premises a Caldwell tank and tower.

WOONSOCKET, R. I.—Thomas H. Greene was married at Bridgewater, Mass., to Miss Maud K. Booth, June 28.

PONTIAC, ILL.—The business of W. J. Miller & Son has grown so as to demand the services of an expert florist, and they have secured F. W. Beach, of Houston, Texas, formerly with the Phoenix nursery at Bloomington, Ill.

BELLE PLAINE, IA.—Friederichsen Brothers, of Wilton Junction, have been looking up a location for a greenhouse in Belle Plaine this week. They have recently sold out their business at Wilton, and will probably make arrangements to locate here.

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report of the American Carnation Society
for the years of 1894 and 1895. Anyone
having copies to spare will oblige by com-
municating with this office.

In sending in a change of address it is
important that the old address be given
as well as the new. This will greatly aid
us in locating your name on our mailing
list and prevent delay in making the
desired change.

The Peony Society.

A peony society has been formed at
Detroit, U. S., says the Gardeners' Chron-
icle, one of the leading European jour-
nals. Nine-tenths of the members are
said to have commercial interests in cul-
tivating the flower. No one has up to
the present suggested a rhododendron
society, or a bamboo society, or a sun-
flower society. The cucumber and the
tomato, and even the grapevine, manage
to exist commercially without a society,
and the pelargonium society is one of the
"has beens." It is a question whether
this dissipation of energy is of any value
to the many, though it may benefit the
few.

Iron Bottom Carnation Benches.

ED. AM. FLORIST:—Would iron plates
be as good as boards or slate in the bot-
tom of benches for growing carnations?
J. S.

Slate bottoms are not desirable for
carnation benches as they are such good
conductors of heat that the lower part
of the soil in the benches becomes too
dry. Iron would be still more objection-
able. If the plates were well perforated
to allow of good drainage and a false
bottom of wood, brick or tile placed
above the iron, it might be all right but
would hardly be worth while.

W. N. RUDD.

Keeping Over Vinca Vines.

ED. AM. FLORIST:—Will you kindly in-
form me as to the best method of keeping
a stock of vinca vines in two-inch and
three-inch pots over the summer?

A. E. H.

It is presumed the vincas will be needed
for next spring's trade in filling window
boxes, vases, etc., for which purpose there
is no vine more suitable. We have some
planted here as an edging to a canna bed,
not that they are considered the best
plant for the purpose, but because they
will answer the purpose and will be

fine large plants to be lifted in the fall
and kept in a greenhouse temperature all
winter to be used for window boxes and
and so forth next spring. If it is the
desire of "A. E. H." to restrict the size
of the plants, they may be plunged in the
pots in either sand or ashes convenient
to watering. In that way fine plants
may be had for next spring's business,
but if larger plants are desired planting
out is the very best method. E. L.

Heating Greenhouse and Dwelling.

ED. AM. FLORIST:—I am building two
houses for lettuce, each 100 feet long, one
ten, the other eighteen feet wide, with no
glass on the sides. I should be glad to
know the best arrangement of pipes to
heat these houses with hot water. I
want, also to heat my residence, 30x30
feet, two stories high, from the same
boiler. Can I do this successfully, and if
so, how large a pipe should connect the
boiler and the house? J. W. A.

There will be no difficulty in heating
the residence in addition to the green-
houses described. For the narrow house
it will be advisable to use two 2½-inch
flow pipes and four 2-inch returns. The
wide house can be heated by the use of
two 2½-inch flow pipes and seven 2-inch
returns. The amount of radiation
required for the residence will depend, to
a large extent, upon the amount of glass
surface as well as upon the material of
which the walls are constructed. Ordin-
arily, it is well to use one square foot of
radiation for thirty to forty cubic feet
upon the first floor and for fifty to sixty
cubic feet upon the second. On this basis
it is probable that from 400 to 500
square feet of radiation will be required
in the residence. This will make it neces-
sary to use a 3-inch flow pipe and a
return of the same size. L. R. T.

Reply to Elchholz.

HENRY EICHHOLZ, Waynesboro, Pa.

Dear Sir:—Your open letter of June 20,
published in the AMERICAN FLORIST, has
come to my attention, and I have to say
that there has never come into our files
since several months ago but one letter
from you, which it seems was inadver-
tently overlooked during the rush of the
planting season, and while Mr. Hadkin-
son, superintendent of floriculture, was
at home ill. No other letter has ever
come to us regarding your exhibit since
the date you mention, May 1. This
seems an extraordinary condition, since
we have never had any trouble about
mail being delivered promptly, neither
have I had another complaint of neglect
from any exhibitor. I will not, in view
of the way in which you have taken the
matter up, offer any suggestion as to
whether you send your plants or not,
and will await your suggestion. Very
truly yours,

(Signed) FREDERICK W. TAYLOR,
Chief, Department of Horticulture.
St. Louis, Mo., June 29, 1904.

Sowing Daisies for Spring.

ED. AM. FLORIST:—Please answer the
following: 1—What is the right time to
sow daisies to have them in flower in the
spring to sell at the same time as pansies?
2—What is the time to sow forget-me-
nots for next spring? 3—Do you think I
would have success in raising ferns in
greenhouses with cucumbers? I have
solid benches, with horse manure in the
bottom. The heat is almost out now.

F. H. R.

1—Bellis perennis is the particular daisy

inquired about, I presume. The seed
may be sown at any time now, the sooner
the better, to have good plants to bloom
April and May next. I have known
plants to flower in the fall when the seed
was sown as early as April.

2—Seed of forget-me-not may be sown
about this time for blooming next spring.
There are several varieties of forget-me-
nots offered by the seedsmen. The dis-
sitiflora is one of the best for spring
blooming.

3—It is uncertain whether it would be
worth while to make the attempt to
grow ferns under cucumbers. The re-
peated daily syringings that cucumbers
require might keep the ferns too wet. It
is not quite clear to me what is intended,
whether to grow an assortment of ferns
as pot plants or the adiantums for their
fronds. If it is for greens the ferns are
intended for to associate with cut flowers,
I would prefer to grow the Aspara-
gus Sprengeri either for a winter or a sum-
mer supply. Most young ferns, either in
pots or in flats, would be far better out-
doors in a shaded cold frame, where the
sashes were raised sufficiently high to
admit abundance of air and secured firmly
so that wind storms could not carry
them away. L.

Additional Spring Trade Reports.

Following are additional letters from
prominent dealers regarding the last
spring's bedding plant trade:

Conard & Jones Company, West Grove,
Pa.—For cannas, soft plants, an increase
of from fifty to seventy-five per cent is
noted. For roses, hard wood plants, the
increase averages twenty-five per cent.
Geraniums and chrysanthemums about
held their own. The dwarf varieties of
cannas were in heaviest demand, ranging
in the following order: Red, variegated,
yellow. The call for Mt. Blanc was
excellent considering the higher price.
Red geraniums went well. Herbaceous
perennials met a twenty-five per cent
increased call over last year.

R. E. Creager, Thurmont, Md.—There
was an increased demand for geraniums,
cannas, salvias, asters, coleus, and, in
fact, everything in the bedding line. Red
leaved and red flowering cannas had the
call. Double Grant, geraniums, scarlet,
were most in demand. There were few
calls for herbaceous perennials. There
was a good sale for colored roses, and
I am now preparing a lot of rose cut-
tings. Asparagus ferns were good sellers.
I attribute the increased demand for bed-
ding stock to the extremely severe winter.

George M. Emmans, Newton, N. J.—
There was an increased demand for ger-
aniums, vincas, gladioli, dracenas, petu-
nias and heliotrope, and a decreased de-
mand for coleus, lobelias and alyssum.
Red cannas sold best. Red geraniums
had first call, pink second and white
third. Bedding plant trade was about
twenty per cent better than last season,
but the cut flower trade was the worst
ever.

W. T. Buckley Plant Company, Spring-
field, Ill.—Geraniums, verbenas and sal-
vias moved rapidly. No line has de-
creased materially in demand. Geraniums
most called for were S. A. Nutt, Jean
Vaud, Bruanti, Mrs. E. G. Hill, Beaute
Poitevine and Mme. Buchner. The bed-
ding plant season was exceptionally late
and there is still some demand.

SOUTH PORTLAND, ME.—J. M. Minot &
Son have been planting some flower beds
very effectively around Fort Preble.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BOSTON, Mass., November 3-6, 1904.—Chrysanthemum exhibition Massachusetts Horticultural Society. W. P. Rich, Sec'y, Horticultural Hall, 300 Massachusetts avenue, Boston, Mass.

BOSTON, Mass., November 3-6, 1904.—Annual exhibition Chrysanthemum Society of America. Fred. H. Lemon, Sec'y, Richmond, Ind.

CHICAGO, November —, 1904.—Annual exhibition Horticultural Society of Chicago. E. A. Kanst, Asst. Sec'y, 5700 Cottage Grove Avenue, Chicago.

DOBBS FERRY, N. Y., November 11-12, 1904.—Fourth annual flower show Dobbs Ferry Gardeners' Association. Henry Kastberg, Sec'y, Dobbs Ferry, N. Y.

MONTREAL, QUE., November 9-10, 1904.—Fifteenth annual chrysanthemum show of Montreal Gardeners and Florists' Club. W. H. Harobin, Sec'y, 23 Clouse street, Montreal.

NEW YORK, N. Y., November 10-17, 1904.—Annual exhibition American Institute of the City of New York. Dr. Robert Taylor, Mgr., 19-21 West Forty-fourth street, New York.

PHILADELPHIA, PA., November 8-12, 1904.—Annual exhibition Pennsylvania Horticultural Society. David Rust, Sec'y, Horticultural Hall, Broad street, below Locust, Philadelphia.

PROVIDENCE, R. I., November 16, 1904.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. C. W. Smith, Sec'y, 27-29 Exchange street, Providence.

RED BANK, N. J., November 1-2, 1904.—Seventh annual exhibition Monmouth Horticultural Society. H. A. Kettel, Sec'y, Fairhaven, N. J.

Greenhouse Building.

Jersey City, N. J.—J. P. Hall, conservatory.

Newtonville, Mass.—W. J. Adams, two houses.

North Easton, Mass.—F. L. Ames Estate, range of conservatories.

Ansonia, Conn.—J. W. Willis two houses, each 16x60.

Short Hills, N. J.—Anderson & Christensen, two houses.

Augusta, Me.—C. A. Milliken, conservatory 20x150.

Cleveland, O.—W. A. Hart, four houses 18x100; one 18x70; two 8x70. James Eadie, eight houses 22x125; one 20x88.

Sterling, Ill.—Robert Lundstrom, one house, 22x85 feet.

Philadelphia, Pa.—Godfrey Aschmann, one 70-foot house and two old houses rebuilt.

Streator, Ill.—W. C. Hill Floral Co., two houses, each 40x100.

Westerly, R. I.—Wm. M. Smith, range of houses.

Butte, Mont.

Business has been quiet for the past few weeks; stock was equal to the demand.

The Butte Floral Company is cutting exceptionally fine carnations.

The Butte Floral Company has bought out the business of Law Brothers and will continue the store under the name of The Rosary. All plants and bulbs will be grown at the old Law plant, and the houses at Gregson will be devoted to roses and carnations.

O. A. C. Oelender is back again at his old post.

Robert Miller, rose grower from Natick, Mass., has taken charge of the Gregson plant.

The Columbia Gardens are considerably behind this year. Prof. Seigel says they are still having frost up there. Butte had a snow storm last week.

Will Hendrickson, formerly with the Butte Floral Company, is building houses at Missoula, Mont., and will grow cut flowers for the trade.

William H. Cockayne, gardener at Columbia Gardens, was recently married to Miss Frances Bell, of this city. H.

TOLEDO, O.—The Toledo Automobile club held a floral parade June 25. Prizes were awarded for the best decorated cars.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By an all-around florist; German, married. Commercial or private. RIVERMONT FLORAL Co., College Park, Va.

Situation Wanted—As foreman or manager, by an experienced competent grower with considerable executive ability. Address STEELE, care American Florist.

Situation Wanted—Position as working foreman. Good rose and carnation grower and general plantsman. References. State terms. X care American Florist.

Situation Wanted—Store work, by middle-aged sober man. Excellent references. First-class designer, decorator and salesman. Address FLORIST, 22 Conklin St., Poughkeepsie, Dutchess, Co., N. Y.

Situation Wanted—In good seed house by experienced gardener, married, age 31 who has some experience in seed business and would like to work himself up in that line. Address H D, care American Florist.

Situation Wanted—As working foreman in good commercial establishment, or charge of private estate; 15 years' English, African and United States experience in all branches. Address G P, care Manhattan Hotel, Creedmoor, N. Y.

Situation Wanted—As working foreman or grower on commercial place, by all-around, practical, experienced florist. Special grower of ferns, palms and pot plants, also cut flowers; single; first-class references. Address MASS, care American Florist.

Situation Wanted—As reliable working foreman; German, sober, 33 years of age; 18 years' experience; good grower in cut flowers and pot plants. Good references. Please state wages, etc. Address O. QUAAS, Hotel Logan, Des Moines, Iowa.

Situation Wanted—As foreman to take entire charge, by a first-class grower of cut flowers and plants; a life experience in leading places; capable of managing a large place and having the work done in a practical way. All references. Address 140, care American Florist.

Situation Wanted—By middle aged, sober man, single; 20 years' experience store work; first-class designer, decorator and salesman. References. Special arrangements for summer months. Address FLORIST, 22 Conklin St., Poughkeepsie, Dutchess Co., N. Y.

Situation Wanted—As head gardener, superintendent or foreman; well up in all branches of horticulture, agriculture, landscape architecture, greenhouses, propagating orchids, etc. First-class references from Europe and America. Single, sober and faithful. Private or commercial place. California preferred. Address R G, care American Florist.

Situation Wanted—An American, at present employed, of unusual business ability, desires a first-class situation or working interest in some good establishment or will accept traveling position. A No. 1 grower and propagator either in greenhouses or nursery and good ability at landscaping. First-class references. Address COMPETENT, care American Florist.

Help Wanted—Foreman for nursery. Address M P, care American Florist.

Help Wanted—Good rose grower. Address VAUGHAN'S GREENHOUSES, Western Springs, Ill.

Help Wanted—At once, experienced carnation grower; single man preferred; \$50 and room. Address MARTIN & FORBES, Portland, Ore.

Help Wanted—At once, a good, reliable, sober, all-around florist, to take care of roses and carnations, and assist generally if necessary. Address HUGO BUSCH, Jefferson City, Mo.

Help Wanted—Experienced single man for general greenhouse work. State age, experience and reference. Wages \$12.00 per week. Steady employment for the right man. Address W. W. COLES, Kokomo, Ind.

Help Wanted—Good rose and carnation grower, to take charge of three greenhouses four miles from city; good position for a married man. Nice five-room cottage and large garden spot. State wages, etc. Address SOUTH, care American Florist, Chicago.

Help Wanted—A working foreman; beauty grower. Satisfactory wages paid to competent man. Give references as to character, and ability as a grower. Address FLORIST, Box 18, Station A, Cleveland, O.

Help Wanted—An experienced salesman for retail seed store; must be thoroughly posted in all branches of the business, sober and steady. A permanent place for the right party, with chance for advancement. Apply with full particulars as to experience, salary expected, etc. Address COUNTERMAN, care American Florist.

Wanted—Gardener as partner, a competent and practical man; small capital preferred. A good opportunity, near a growing city. Address B M 12, Seattle, Wash.

Wanted Partner—With money to develop and enlarge a good paying business; 3,600 feet of glass, want to double or treble size of plant. It is too small for present needs. Population 4,000. Other towns in easy reach. Partner who understands gardening preferred. For particulars, address Box 276 Richmond, Mo.

For Sale—Cheap; a Kroeschell style boiler; been used four seasons. Will heat 6,000 feet of 4-inch pipe. Address DAVIS BAOS., Morrison, Ill.

For Sale—Greenhouse, 2,500 feet of glass; rare bargain; good location; business established; owner in failing health. For particulars, address S. A. NOBLE, El Dorado, Kan.

For Sale Cheap—A No. 3 Furman boiler (for hard coal or coke), too small for us, as we are adding a few new houses. Address HUGO BUSCH, Jefferson City, Mo.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. Address JAS. RICHARDSON, London, O.

For Sale—At a bargain; four greenhouses, well stocked; also cold frame sash; 2 room cottage, city water; houses heated by hot water; situated at Lynchburg, Va., a city of 25,000 inhabitants. Address J. PALMER GORDON, Ashland, Va.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 11 large greenhouses, 20 lots 125 feet deep, 500 feet frontage, fine dwelling house, etc., with modern conveniences; plenty of water and coal; good soil; everything in first-class order; all new. Have other business; have to give this up. There is money in it. I have made money, so can you. Try it. Terms reasonable. Address W W, care American Florist.

WANTED.

First-class man to manage a small order business in extreme west. Should have some practical knowledge of florist or nursery work. Applicant will be expected to take financial interest in the business, \$1,000 to \$3,000, insuring his genuine interest and permanency, and which investment will earn him a handsome thing in addition to salary. Don't bother unless you can qualify O. K. Address MANAGER, care American Florist.

Man Wanted

An Opportunity for a live, intelligent and experienced man to take charge of an important greenhouse plant growing establishment; good salary. Address with full particulars

PERMANENT, care American Florist, 42 W. 28th St., New York.

Wanted.

A good reliable man, capable of taking charge of a wholesale and retail store. State experience and salary expected in first letter. Permanent position to right party. Address B C, care American Florist.

NOTICE

—OF—

STOCKHOLDERS' MEETING.

CHICAGO, July 1, 1904.

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 Rozier Hotel, St. Louis, Mo., Wednesday, August 17, 1904, 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.

Syracuse, N. Y.

There seemed to be an unusual number of weddings last month and the florists benefited greatly thereby. The graduating exercises of the various institutions in Syracuse also took a large stock, roses being the most popular. Now that these festivities are ended the trade will be quiet for the rest of the summer. Vacation season has set in and many of the florists are thinking about where they will recruit.

The opening of the trolley road between Syracuse and Auburn has brought Syracuse into active communication with many of the smaller towns of central New York. One of the most beautiful towns in the state is Skaneateles. Julius G. White conducts an up-to-date floral establishment there. At Auburn the principal florists are Joseph Bellottson, Dobs & Son, James Morgan and Alfred Patten.

Henry Burt is contemplating building a new greenhouse on the old homestead in Cortland avenue. He has sold the Colvin street place and is now confining his efforts to the Oakwood avenue and Cortland avenue greenhouses. Mr. Burt says that trade is quiet as there is but little funeral work this summer. Roses, carnations and sweet peas are moving a little.

P. R. Quinlan & Co., have been building new greenhouses at Onondaga valley and they now have one of the largest and best plants in the state. Manager W. S. Wheadon of their South Salina street store reported that they had more decorations this year than in many years. The plant trade has also been unusually good.

The new greenhouses at Oakwood Cemetery in charge of Mr. Bellamy are in fine condition and have been doing a nice business. The other florists in the city object to the plan of having the cemetery association run a greenhouse on the grounds as it takes away from their profits.

William Hyde is now in charge of the Overlook Greenhouses at Little Falls, having succeeded Edward D. Wheadon.
A. V. B.

Milwaukee.

Business is down to summer dullness and there is but little doing in any line. Most of the local craft are busy with repair work, but little new building is being done.

The Florists' Club will go to Oconomowoc on July 17 for its picnic. A splendid time is assured. Tickets can be had from all members.

When T. H. Holton left for his fishing trip he promised a mess of fish. Evidently the fish are obstinate this season.

Mr. and Mrs. William Currie left last Tuesday for an extended European trip.
H.

Wholesale Flower Markets

MILWAUKEE, July 7.

Roses, Beauty, long per doz.	3.00
" " med. "	1.50@2.00
" " short	4.00@ 8.00
" " Liberty	2.00@10.00
" " Chatenay	2.00@ 8.00
" Bride, Bridesmaids	2.00@ 5.00
" Meteor, Golden Gate	2.00@ 5.00
" Perle	2.00@ 5.00
Carnations	.75@ 2.00
Smilax	15.00
Asparagus	35.00@50.00
Valley	3.00@ 4.00
Harrisil.	8.00@10.00
Peonies	2.00@ 5.00
Sweet peas	.25@ .75
Adiantum	1.00
Auratums	12 50
Gladioli	5.00@ 6.00

PITTSBURG July 7.

Roses, Beauty, specials	25.00@30.00
" " extras	15.00@20.00
" " No. 1	8.00@10.00
" " ordinary	3.00@ 5.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Liberties	3.00@ 6.00
" Kaiserin	2.00@10.00
Carnations	.50@ 1.50
Lily of the valley	3.00@ 4.00
Smilax	6.00@10.00
Asparagus, strings	25.00@50.00
Asparagus Sprengerl.	1.00@ 2.00
Daisies	.50
Gladioli	3.00@ 6.00
Asters	.75@ 1.00
Sweet peas	.10@ .50

CINCINNATI, July 7.

Roses, Beauty	1.00@ 3.00
" Bride, Bridesmaid	2.00@ 5.00
" Liberty	3.00@ 6.00
" Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Harrisil.	8.00@12.50
Sweet peas	1.50@2.50 per 1000

ST. LOUIS, July 7.

Roses, Beauty, long stem	2.00@3.00
" Beauty, medium stem	1.50@2.00
" Beauty, short stem	.35@ 1.25
" Bride, Bridesmaid	3.00@ 5.00
" Golden Gate	3.00@ 5.00
Carnations	1.00@ 2.00
Smilax	15.00
Asparagus Sprengerl.	1.00@ 2.00
" Plumosus	25.00@35.00
Ferns, fancy per 1000	\$1.75.
Adiantum	1.00
Sweet peas	.25
Valley	3.00@ 4.00
Ismene lilies	3.00@ 4.00

H.G. BERNING
Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Pittsburg Florist Exchange
WHOLESALE FLORISTS.

228 Diamond St., Pittsburg, Pa.
CONSIGNMENTS SOLICITED.

E. H. Hunt,

WHOLESALE
Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

J. M. McCULLOUGH'S SONS
WHOLESALE
FLORISTS

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Peter Wieland

Wholesale Florist

Room 18, 128 E. Third St.,
CINCINNATI, O.

C. A. KUEHN,
Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.

The CLEVELAND CUT FLOWER COMPANY,

52-54 High St., CLEVELAND, O.

TELEPHONE CONNECTIONS.

CUT FLOWERS, SUPPLIES and WIRE DESIGNS at Wholesale.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Frank Garland,

Wholesale
Grower of **CUT FLOWERS.**

SPECIAL ATTENTION **FERNS.**

GIVEN TO HAROY CUT
Room 218, 51 Wabash Avenue,
Telephone Central 3284. **CHICAGO.**

Please mention the American Florist when writing.

A. L. RANDALL CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower
and shipper of **CUT FLOWERS**

Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.

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.

Good Returns.

AMERICAN FLORIST Co.:—Being sold out
of Boston and Piersoni ferns and having
nothing more to offer, please take our
advertisement out of your valuable paper
and send in bill. We have had good
returns from our advertising in your
paper and will give you more advertising
in the future.

CATION GREENHOUSE COMPANY.

Peonies! Peonies! Peonies!

We have 'EM.

Lots of 'EM.

All kinds from Fancy down. Let us know your wants.

SPECIAL PRICES by the THOUSAND.

AMERICAN BEAUTY	Per Dozen.	Per 100
36-inch stems.....	\$8.00	Valley.....
24 to 30-inch stems.....	2.50	Harrisii.....
18 to 24 ".....	1.50 to 2.00	Asparagus Sprengeri, sprays.....
12 to 18 ".....	1.00	Plumosus, string, 50c each
		Fancy Ferns.....per 1000
		Galax, Bronze, Green, 1000,
Bride and Maid.....	\$4.00 to 6.00	Adiantum.....
Golden Gate.....	4.00 to 6.00	Smilax.....
Liberty, Chatenay.....	5.00 to 8.00	Sweet Peas.....
Carnations.....	1.00 to 1.50	

J. B. DEAMUD, 51 Wabash Avenue,
CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....
WHOLESALE
GROWER OF **CUT FLOWERS**

HOLTON & HUNKEL CO.,

-- Wholesale Cut Flowers --

457 Milwaukee Street. MILWAUKEE, WIS.

Wholesale Flower Markets

CHICAGO, July 8.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 "	2.00@2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	4.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 1.50
fancy.....	2.00@ 2.50
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
sprays 2.00@6.00	
Sprengeri.....	3.00@ 6.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000, 1.25	.15
Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns... per 1000	1.00@ 2.00
Callas.....	1.00@ 1.25 per doz.
Smilax.....	12.00@ 15.00
Harrisii.....	1.00@ 1.50
Sweet peas.....	20@ .50
Peonies.....	2.00@ 5.00

SINNER BROS.

Wholesale Growers
and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders
given prompt attention.

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.

Poehlmann Bros. Co.

Wholesale Growers of

and
Dealers in **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

GREENHOUSES: 35-37
Morton Grove, Ill. Randolph Street,
CHICAGO, ILL.

Please mention the American Florist when writing.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE
Wholesale Growers and Shippers of
CUT FLOWERS.

59 Wabash Ave., Chicago.
SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

DAYTON, O.—The Miami Floral Com-
pany is building additions to several
houses of its establishment.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

WHOLESALE FLORISTS

CHICAGO.

Leo Niessen

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

During the summer months we will be open from 7:00 a. m. until 6:00 p.m.

OUR MOTTO:

CAREFUL ATTENTION.
FULL COUNT.
GOOD PACKING.
PROMPT SHIPMENTS.
RIGHT PRICES.

FLOWERS FOR EVERY DAY AND FOR EVERY OCCASION.

QUANTITY UNLIMITED.
QUALITY UNEXCELLED.

WE ARE OPEN FOR BUSINESS AT 6:00 O'CLOCK A. M. WE WANT YOUR TRADE.

J. K. ALLEN, THE PIONEER HOUSE, 106 West 28th St., New York.

BOSTON, MASS.

WELCH BROS.

15 Province Street

All Varieties FLOWERS In Season. FANCY and DACGER FERNS.
FLORISTS' SUPPLIES all kinds.

Long Distance Telephone, 6268-6267 Main.

N. F. McCARTHY & Co.,



The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.
Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr.

WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

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.
Please mention the American Florist when writing.

N. Lecakes & Co.

53 W. 28th St., and
45 W. 29th St., Also
at 25th St. and 34th
St. Markets

NEW YORK.
FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,
75c per 1000; \$6.00 and \$8.50 per case of 10,000.

Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.
Please mention the American Florist when writing.

ROCHESTER, N. Y.—The contract for the new greenhouses at Highland Park has been awarded to Hitchings & Company for \$3,850.

ELMHURST, CAL.—Grallert & Company's nursery has been moved from Coloma to this city, where Paul W. A. Grallert will conduct the business under his own name. He will build two carnation houses, each 22x100 feet, of King's roof construction; three asparagus houses, each 15x100 feet, of old material; one lath house, 20x125 feet, for smilax, and one lath house, 20x100 feet, for asparagus and other ferns.

Wholesale Flower Markets

Boston, July 6.

Roses, Beauty, extra.....	8.00@15.00
" " medium.....	5.00@ 8.00
" " culls.....	1.00@ 3.00
" Bride, Bridesmaid.....	1.00@ 3.00
" extra.....	4.00@ 6.00
" Liberty.....	2.00@ 6.00
Carnations.....	.50@ .75
" Fancy.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Harrisii lilies.....	4.00@ 6.00
Smilax.....	10.00@12.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Peas.....	.25@ .50
Peonies.....	2.00@ 4.00

PHILADELPHIA, July 6.

Roses, Tea.....	3.00@ 5.00
" " extra.....	6.00@ 8.00
" Beauty, extra.....	16.00@25.00
" " firsts.....	6.00@ 8.00
Carnations.....	.100@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Sweet peas.....	.35@ .50
Peonies, cold storage.....	4.00@ 6.00

BUFFALO, July 7.

Roses, Beauty.....	3.00@25.00
" " Bride, Bridesmaid, Meteor.....	2.00@ 8.00
Carnations.....	.50@ 2.50
Harrisii.....	15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	10.00@15.00
Adiantum.....	.50@ 1.00
Sweet Peas.....	.10@ .50



Fancy and Dagger Ferns, A No. 1 Quality \$1.00 per 1000.

Very fine Bronze and Green Galax selected stock, \$1.00 per 1000. Laurel Festooning, hand made, good and full, \$5.00 and \$6.00 per 100 yards. Green Moss, \$1.00 hbl. Sphagnum Moss, \$1.00 per hbl.; per bag 50c. Branch Laurel, 50c per bundle. Discount on large orders.

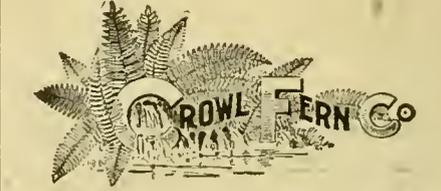
Orders by mail, telegraph or telephone will receive our personal attention.
Henry M. Robinson & Co., 11 PROVINCE ST., L. D. Tel., 2618 Main. Boston, Mass.

Michigan Cut Flower Exchange, WM. DILGER, Mgr.

All Cut Flowers in Season.
26 Miami Ave., DETROIT, MICH.
Please mention the American Florist when writing.

FANCY AND DACGER FERNS.

75c per 1000. Calax, 75c per 1000; \$6.50 per case 10,000. Southern Smilax, \$6.00 per case 50 lbs. Use our Mountain Laurel for your decorations, 4c, 5c and 6c per yard. Made fresh daily from the woods. Flowering Laurel in its season. Can ship large or small lots, 50c for a nice bunch with lovely pink blossoms. Just what you want for your June decorations.



Tel. Office, New Salem, Mass. Millington, Mass.

HARDY CUT FERNS.



L. B. BRAGUE, Hinsdale, Mass.
Oldest, Largest and most reliable dealer in U. S.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration)
Write, Wire or Phone the Introducers,
CALDWELL THE WOODSMAN CO., Evergreen, Ala., or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Bering, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

FLOWERS SHIPPED BY

JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Wholesale Florists.
Telephone 2035 Madison Sq.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 67 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, 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 399 Madison Square. NEW YORK.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders. Satisfaction given in both. Tel. 956 Madison Sq.
118 W. 30th St., New York. Also 48 W. 30th St.

Bonnot Bros.

WHOLESALE FLORISTS.

65 and 67 W. 26th St., New York.
Cut Flower Exchange,

OPEN 6:00 A. M.

An Unequaled Outlet for Consigned Flowers.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, July 5.

Roses, Beauty, best.....	5.00@20.00
" " medium.....	1.00@ 4.00
" " culls.....	.50@ 1.00
" Liberty, best.....	6.00@10.00
" " medium.....	2.00@ 5.00
" " culls.....	.50@ 1.00
" Bride, Bridesmaid, G. Gate	.50@ 5.00
" Kaiserio, Carnot.....	2.00@ 6.00
Carnations.....	.50@ 1.00
" fancy and novelties....	1.00@ 2.00
Lily of the valley.....	1.50@ 1.50
Lilies.....	1.50@ 2.00
Smilax.....	5.00@10.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Gardenias.....	2.00@ 6.00
Sweet peas.....	.50@ 2.00 per 100 bun.
Gladioli.....	2.00@ 4.00
Feverfew.....	.05 per bun.
Asters.....	1.00

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which can ship ferns and decorative plants promptly

50 West 29th St. NEW YORK
Tel. 2230 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
TELEPHONE 280 MADISON SQUARE.

ALEX. J. GUTTMAN,

Wholesale Commission Florist,

A full supply daily of the choicest New York and New Jersey FLOWERS.

62 W. 29th Street, NEW YORK CITY
Telephone 1664 and 1665 Madison Square.

THE

NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,
WHOLESALE FLORISTS.

Daily Reports. Weekly Payments:
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891

Alfred H. Langjahr, 55 W. 28th St.
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th. St. N.W. New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL.

WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.

Please mention the American Florist when writing

LONDON.

**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.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

**Bertermann Bros. Co.,
FLORISTS,**

24 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

**Fred. C. Weber,
FLORIST,**

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, L Dist. Phone Lindell 196 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Campania	1	Sat. July 16, 9.00 a. m.	July 23
New York.....	"	Etruria	1	Sat. July 23, 10.00 a. m.	July 30
Boston.....	"	Saxonia	1	Tues. July 19, 8.00 p. m.	July 27
New York.....	Glasgow	Mongolian	2	Thur. July 14, 11.00 a. m.	July 24
Montreal.....	Liverpool	Ionian	2	Sat. July 18,	July 26
Montreal.....	"	Bavarian	2	Sat. July 23,	Aug. 1
New York.....	Copenhagen	"	4	Sat. July 16, 2.00 p. m.	July 26
New York.....	"	Helig Olav	4	Wed. July 20, 2.00 p. m.	July 30
New York.....	Hamburg	Columbia	3	Thur. July 14, 10.00 a. m.	July 24
New York.....	"	Pretoria	8	Sat. July 18, 7.30 a. m.	July 26
New York.....	"	Bleucher	3	Thur. July 21, Noon.	July 30
New York.....	"	Graf Waldersee	3	Sat. July 23, 2.00 p. m.	Aug. 2
New York.....	Genoa	Prinz Oskar	3	Tues. July 19, 10.00 a. m.	July 29
New York.....	Glasgow	Astoria	5	Sat. July 16, Noon.	July 26
New York.....	"	Columbia	5	Sat. July 23, 3.00 p. m.	Aug. 2
New York.....	Loodon	Minneapolis	8	Sat. July 16, 8.00 a. m.	July 26
New York.....	"	Mesaba	8	Sat. July 23, 9.00 a. m.	Aug. 2
New York.....	Liverpool	Baltic	7	Wed. July 13, 5.00 p. m.	July 21
New York.....	"	Majestic	7	Wed. July 20, 10.00 a. m.	July 28
New York.....	"	Cedric	7	Fri. July 22, 1.00 p. m.	July 30
Boston.....	"	Cymric	7	Thur. July 14, 10.00 a. m.	July 22
New York.....	Southampton	Philadelphia	8	Sat. July 16, 9.30 a. m.	July 24
New York.....	"	St. Louis	8	Sat. July 23, 9.30 a. m.	July 31
New York.....	Antwerp	Zeeland	9	Sat. July 16, 10.30 a. m.	July 25
New York.....	"	Finland	9	Sat. July 23, 10.30 a. m.	Aug. 1
New York.....	Havre	La Touraine	10	Thur. July 14, 10.00 a. m.	July 24
New York.....	"	La Savoie	10	Thur. July 21, 10.00 a. m.	July 31
New York.....	Rotterdam	Staatendam	11	Tues. July 12, 10.00 a. m.	July 21
New York.....	"	Potsdam	11	Tues. July 19, 10.00 a. m.	July 29
New York.....	Genoa	Sicilia	12	Tues. July 19,	Aug. 3
New York.....	Bremen	Kaiser Wilhelm II	13	Tues. July 12, 2.00 p. m.	July 19
New York.....	"	Prinzess Alice	13	Thur. July 14, 10.00 a. m.	July 24
New York.....	"	K. Wil. Der Grosse	13	Tues. July 19, 10.00 a. m.	July 26
New York.....	"	Barbarossa	13	Thur. July 21, 11.00 a. m.	July 31
New York.....	Genoa	Prinzess Irene	13	Sat. July 16, 11.00 a. m.	July 29
Boston.....	Liverpool	Devonia	14	Wed. July 13, 9.30 a. m.	July 23
Boston.....	"	Bohemian	14	Wed. July 20, 4.00 p. m.	July 30
Montreal.....	"	Dominion	15	Sat. July 16,	July 24
Montreal.....	"	Camboman	15	Sat. July 23,	Aug. 1

*1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Ancon Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 Freoch; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

**JOHN BREITMEYER'S
SONS**

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. * * * * *
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

**The Park
Floral Co.**

J. A. VALENTINE, DENVER, COLO.
Pres.

JULY 8th

The Nickel Plate Road will run an excursion to Chautauqua Lake and return at one fare for the round trip, from Chicago with return limit of August 9th, by depositing ticket. Transportation good on any of our three daily trains. Cheap rates to other eastern points. No excess fare charged on any train on Nickel Plate Road. Individual Club Meals ranging in price from 35c to \$1.00; also service a la carte, in Nickel Plate dining-cars. Write John Y. Calahan, General Agent, 113 Adams St., Room 298, Chicago, for particulars. Chicago city ticket offices, 111 Adams St. and Auditorium Annex. Phones Central 2057 and Harrison 2208.

11.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Lucania	1	Sat. July 16	July 23
Liverpool.....	"	Umbria	1	Sat. July 23	July 30
Liverpool.....	Boston	Ivernia	1	Tues. July 19	July 27
Glasgow.....	New York	Numidian	2	Sat. July 23	Aug. 2
Liverpool.....	Montreal	Parisian	2	Thur. July 14	July 24
Liverpool.....	"	Tunisian	2	Thur. July 21	July 31
Hamburg.....	New York	Moltke	3	Thur. July 14	July 23
Hamburg.....	"	Pennsylvania	3	Sat. July 16	July 26
Hamburg.....	"	Deutschland	3	Thur. July 21	July 28
Hamburg.....	"	Patricia	3	Sat. July 23	Aug. 2
Genoa.....	"	Prinz Adalbart	3	Sat. July 23	Aug. 6
Copenhagen.....	"	Oscar II	4	Wed. July 13	July 23
Copenhagen.....	"	Island	4	Wed. July 20	July 30
Glasgow.....	"	Anchoria	5	Thur. July 14	July 24
Glasgow.....	"	Furnessia	5	Thur. July 21	July 31
London.....	"	Minnetonka	6	Sat. July 16	July 26
London.....	"	Minnehaha	6	Sat. July 23	Aug. 2
Liverpool.....	"	Oceanic	7	Wed. July 13	July 21
Liverpool.....	"	Arabic	7	Fri. July 15	July 23
Liverpool.....	"	Teutonic	7	Wed. July 20	July 28
Liverpool.....	"	Celtic	7	Fri. July 22	July 30
Liverpool.....	Boston	Cretic	7	Thur. July 14	July 22
Southampton.....	New York	St. Louis	8	Wed. July 13	July 20
Southampton.....	"	New York	8	Wed. July 20	July 27
Antwerp.....	"	Vaderland	9	Sat. July 16	July 25
Antwerp.....	"	Kroonland	9	Sat. July 23	Aug. 1
Havre.....	"	La Bretagne	10	Sat. July 16	July 26
Havre.....	"	La Champagne	10	Sat. July 23	Aug. 2
Rotterdam.....	"	Rotterdam	11	Sat. July 16	July 26
Rotterdam.....	"	Ryndam	11	Sat. July 23	Aug. 2
Genoa.....	"	Sardigna	12	Mon. July 11	July 26
Genoa.....	"	Lombardia	12	Mon. July 18	Aug. 2
Bremen.....	"	Kronprinz Wilh.	13	Tues. July 12	July 19
Bremen.....	"	Bremen	13	Sat. July 16	July 26
Bremen.....	"	Grosser Kurfuerst	13	Sat. July 23	Aug. 2
Genoa.....	"	Konigin Louise	13	Thur. July 21	Aug. 3
Liverpool.....	Boston	Cestria	14	Sat. July 16	July 26
Liverpool.....	"	Winifredian	14	Sat. July 23	Aug. 2
Liverpool.....	Montreal	Canada	15	Thur. July 14	July 22

* See steamship list on opposite page.

Cincinnati.

We have no complaints to make about business for the first week in July. The retail stores seem to have funeral work and there is a little doing in the shipping line. Carnations and roses are getting poorer every day and sweet peas shorter in stem. There is plenty of green goods in the market, in fact a lot of smilax and asparagus was consigned to the barrel the last week. Lily of the valley has been in fair demand. George V. Allan's *Lilium rubrum* and album find a ready market. *Lilium longiflorum* is also good property and sells readily at \$10 per 100.

Paul F. Peters, who, until about two months ago, was engaged in landscape gardening about this city, died at the home of his brother, C. A. Peters, Huntington, W. Va., of heart failure, on June 28. Mr. Peters was very much interested in astronomy, and many parties were entertained by him at night, he having his own telescope, which he made himself. The many friends of the deceased wish to take this method of extending their sympathy to the hereaved family.

E. G. Hill, of Richmond, Ind., was a visitor last week. Mr. Hill has purchased Mr. Murphy's interest in the Cardinal carnation, and says he is well satisfied with the way it is doing and the amount of orders he is receiving for rooted cuttings. He also states that they have a new red rose on their place which will be a winner next winter.

Fred Gear and Max Rudolph & Company had a lot of funeral work for the Fourth and consequently did not have much time to touch off their fireworks.

Will Gerlach, formerly with W. K. Partridge, at Lockland, O., has accepted a position with Honaker, at Lexington, Ky.

A. O.

AMERICAN FLORIST COMPANY'S

DIRECTORY

FOR 1904.

THIS 1904 Trade Directory is fully revised to date, with thousands of new names and changes of addresses. It contains 412 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada. These lists are arranged both by states and all alphabetically. It also contains lists of Firms that issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Leading Foreign Houses, and much other conveniently indexed and valuable trade information.

PRICE \$2.00 POSTPAID.

THE AMERICAN FLORIST CO.

324 Dearborn Street,
CHICAGO, ILL., U. S. A.

A Daily Cut From 40 Growers

"Highest Qualities"

AS WELL AS

"Under Grades"

At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR

Cut Flower Wants

TD ADVANTAGE.

Fancy Ferns, Etc.

We carry the most complete line of Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,

E. F. Winterson, John P. Degnan, L. H. Winterson,
Successors to McKellar & Winterson.

45-47-49 Wabash Avenue, CHICAGO.

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of specialties in Cut Flowers.

Please mention the American Florist when writing.

Kennicott Bros, Co.

WHOLESALE COMMISSION FLORISTS

And Dealers in FLORISTS' SUPPLIES
All Kinds of

At Chicago Market Rates.

42-44 E. Randolph St., CHICAGO.

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Brant & Noe Floral Co.,

GROWERS OF

Cut Flowers at Wholesale.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

GALAX LEAVES.

Brilliant Bronze or Green. Selected stock, full count, \$1.00 per 1000; \$3.75 per 5000.

Sphagnum Moss, clean picked stock, large bale, \$1.75 each; by freight, \$2.00 each.

All kinds of Decorative Greens and Florists' Supplies.

Tel. 597 Madison Square. L. J. KRESHOVER,
110-112 W. 27th St., New York.

Please mention the American Florist when writing.

Fancy Roses

Everything in... Fancy Carnations

PITTSBURG CUT FLOWER COMPANY, Ltd.,
504 Liberty Avenue, PITTSBURG, PA.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention, June, 1905.

VISITED CHICAGO: Frank T. Emerson, Waterloo, Neb.

INDIANAPOLIS, IND.—The William S. Gilbreath Seed company has been incorporated by William S. Gilbreath, Minnie S. Gilbreath and William P. Herod with a capital stock of \$10,000.

WE need for our files a copy of the annual report of the American Seed Trade Association for 1890 and anyone having a copy to spare will oblige by communicating with this office and stating particulars.

NEBRASKA reports sweet corn looking fairly well of late. Late sorts are about two-thirds of a stand, while some of them are lost. The acreage is probably large enough to make up for the partial failures. There are some independent crops of Evergreen and Country Gentleman.

CINCINNATI, O.—Trimble McCullough, son of J. Chas. McCullough, sailed on the steamer Victoria from Seattle Wash., July 2 on a pleasure trip through Alaska, touching Sitka and Nome and possibly the Siberian waters. He expects to be gone two or three months, in company with A. J. Trimble, a director of the steamship company.

New York.

J. Martens, of Hamburg, Germany, who passed through here on his way west two weeks ago, was with us again, recalled by the sad news of the death of his wife. He sailed for home on Thursday. The sympathy of the trade is extended to him.

Suzuki & Iida are remodeling and decorating their offices. The wall paper came from Japan and is a clever imitation of beaten metal.

Arthur T. Boddington has removed to larger quarters at 342 West Fourteenth street.

Potatoes From Canada.

Potato shipments to the United States have been unusually brisk here during the past few months, and it is estimated that at least 25,000 barrels have been sent over the border from the counties of York and Sunbury. The largest shipper resides at Fredrickton and has forwarded about 7,000 barrels. Potatoes are now worth from \$1.75 to \$1.90 per bushel in the local market and in Boston they are selling at from \$2 to \$2.25.

W. R. HOLLOWAY, Consul General.
Halifax, N. S., June 3, 1904.

Kentucky Crop Reports.

LOUISVILLE, Ky., June 21, 1904.—Wood, Stubbs & Company write as follows: "The outlook for the blue grass seed crop is at present promising, and a much larger yield than usual, consequently we anticipate considerably lower prices. Orchard grass is only a fair crop, but we are not anticipating quite as high prices as last year. There are many conflicting reports regarding orchard grass,

some growers claiming a larger crop than usual, others saying there is going to be a smaller crop. We think there is going to be a fair average crop. It is too early to tell about the grass seed crops in this section.

"Onion sets are not looking well. We are needing rain badly, and unless this comes soon, there will be an immense shrinkage. At the most there could not be a large crop, due to the unfavorable late season."

Mailing Catalogues.

ED. AM. FLORIST:—I have seen it stated in another trade paper that after July 1 catalogues can be mailed in bulk without the use of postage stamps. Please advise me through your column whether this is correct. S.

With reference to the above Postmaster Coyne, of Chicago, says; "There has been no change in the regulations governing third-class matter. Several months since a bill was introduced in congress which provided for the prepayment of postage in bulk upon large lots of third-class matter, without stamps affixed, but this measure failed of passage. Printed catalogues are third-class matter, when enclosed in unsealed envelopes. The rate of postage upon such matter is 1 cent for each two ounces or fraction thereof, prepaid by stamps affixed."

Additional Spring Trade Reports.

Following are additional reports on the past spring's seed trade:

Wood, Stubbs & Company, Louisville, Ky.—Business this year has on the whole been very satisfactory, showing fair increase in volume. High prices and short deliveries on many varieties of vegetable seeds made profits somewhat small. Grass seed business has been very much larger than usual. Trade in onion sets this year, while not as large in volume as in previous years, owing to shorter crop, has been very satisfactory. We are anticipating an improvement in all lines of the seed business during the coming year.

J. M. Thorburn & Company, New York.—In answer to your inquiry we beg to say that business for the season has been about normal with us.

John Lewis Childs, Floral Park, N. Y.—Business this spring has been considerably better than last year, fully fifteen per cent.

Crambe Tartarica.

A NEW VEGETABLE.

The new vegetable to which M. O. Bishot, ex-president of the Academie de Cuisine, Paris, has called attention, is Crambe Tartarica of Wildenove, a cruciferous plant closely allied to seakale, says the Gardeners' Magazine. The fleshy root is eaten by the Tartars, Hungarians, and Cossacks, both in a cooked and a raw state, and has a rather sweet taste. The sprouts, however, are of the most importance from a gastronomic point of view. On the approach of winter the leaves are removed from the plants, and if it is intended to obtain supplies from the open the roots are covered to some depth with sand or soil, and remain with their covering until the spring, when the yellowish-white shoots push through the soil and are cut for consumption. If supplies are required for use during the winter the roots are lifted and placed where they will have the assistance of sufficient artificial heat to stimulate them into growth, or in other words be forced in much the same manner as seakale. The

shoots may be eaten in a cooked state, and it is said the flavor resembles a combination of the flavors of the asparagus and cauliflower. The vegetable appears to be worth attention, but we doubt whether it will prove equal to seakale, which it appears to so closely resemble in the matter of cultural requirements.

Orange, N. J.

The regular monthly meeting and exhibition of the New Jersey Floricultural Society was held July 1 in the society's rooms. Instead of the brilliant display of roses of two weeks ago there were the perhaps more stately japan irises and Delphinium grandiflorum flore-pleno, which has never been shown in such perfection before in Orange. Mr. Barr's gloxinias were of large size with blooms which entirely concealed their foliage. John Crosby Brown's collection of fruits and vegetables attracted by a tasteful arrangement in which tomatoes, large for this season, held a prominent place. The plate of Lord Napier nectarines was "as pretty as a picture." So close was the contest that the entire evening was consumed by the judges and there was no essay or discussion. One new member, George J. Smith, was elected.

Additional prizes of \$25 from Vaughan's Seed Store to be given at the fall exhibition for the best twelve distinct varieties of chrysanthemum blooms and \$5 from M. J. McKernan, secretary of the Elks' Society, for the best twenty-five chrysanthemum blooms, one or more varieties, were announced.

Following is the scoring of the July exhibition:

J. C. Brown, P. Duff gardener, Japan iris, sweet peas and Delphinium grand. fl. pl., 95; fruits and vegetables, 75.

W. Barr, A. Bodwell gardener, orchids and gloxinias in pots, first certificate.

S. Hartshorne, A. Caparn gardener, Japan iris, first certificate.

A. C. Van Gaasbeck, Wm. Bennett gardener, Japan iris, delphinium, sweet william and gailardia, 45.

Mrs. W. Pierson, C. Ashmead gardener, Japan iris, 70; fruits and vegetables, 45.

C. Hathaway, M. Hornecker gardener, sweet peas, 65; fruits and vegetables, 65.

W. Runkle, D. Kindsgrab gardener, specimen adiantum, 90; cherries, 65.

O. D. Munn, J. Hayes gardener, poppies, certificate.

S. & A. Colgate, W. Reed gardener, Japan iris, 85; fruits and vegetables, 65.

E. J. Brackett, T. Maybury gardener, fruits, 45; vegetables, 65.

The judges were Arthur Caparn, Jos. A. Manda and Chas. Ashmead. In addition to these exhibits, but entered not for competition, were sweet peas treated by the nitrogen fixing bacteria of the Department of Agriculture, shown by Wm. J. Hesse, of Newark, and a bunch of Vaughan's Icicle radish and the Early Forcing white radish of the United States government, shown by J. B. Davis. All were awarded certificates.

Jos. B. DAVIS.

For Sale.

Having separated our wholesale and retail seed business, I now wish to sell my interest in the retail. This business, known under the name of St. Louis Seed Company, is one of the finest retail and mail-order chances in its line in the west. This offer will stand close investigation and is only made through a lack of time on my part to attend to both branches of the trade.

For further particulars address

FRED. S. PLANT,

814 N. 4th Street, ST. LOUIS, MO.

Vaughan's Seeds for Summer Sowing



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. It contains some of the Giant sorts, some Fern-leaved, some blue; also some with dark leaves and stems. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone.

Price for International Mixture: { Packet of 350 seeds \$.50
5 packets, 1750 seeds 2.00
Per 1-16 oz. 2.50

CHINESE PRIMULAS WITH FRINGED FOLIAGE.

PRIMULA SINENSIS FIMBRIATA.

	250 seeds	1000 seeds
Alba, pure white.....	50c	\$1.50
Chilswick Red, bright red.....	50c	1.75
Kermesina Splendens, crimson.....	50c	1.75
Alba Magnifica, snow white.....	50c	1.70
Peachblossom.....	50c	1.70
Blue, clear sky blue.....	50c	1.70
New Upright Deep Velvety Red	50c	1.75
Rosea, bright pink.....	35c	
Mont Blanc, pure white.....	50c	
Sirlata, white and lilac striped..	35c	

PURE WHITE..... Per 100 seeds, 75c.
DARK CRIMSON..... Per 1000 seeds, \$5.
ROSA VON MARIENTHAL, "Daybreak Pink"..... 250 seeds of a color at 1000 rate.
DARK ROSE.....
WHITE with CARMINE EYE.....

GIANT-FLOWERED CYCLAMEN, extra choice mixed. Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5000 seeds, \$20.00.

This mixture is made up from the above separate colors.



CINERARIA HYBRIDA.

VAUGHAN'S COLUMBIAN CINERARIA.

Like our International Pansy Mixture, this strain has given unusual satisfaction. It consists of a mixture made up by ourselves of the choicest English, French and German strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt., (1,000 seeds) 50c; 3 pkts., \$1.25.

Large flowering Cineraria, "Old Rose", pure white, crimson, blood red, sky blue, each, 1000 seeds..... 50c
Cineraria Hybrida, fine large flowering mixed, 500 seeds... 25c
Hybrida Grandiflora Nana, best mixed dwarf, Tr. Pkt.... 25c
Hybrida Plenissima, extra choice mixed, dbl., Tr. Pkt. 50c

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

This is a vast improvement on the widely advertised "Papilio" or Butterfly Cyclamen. The edges of the petals are fringed and curled and the colors range from the purest white through delicate pink, to rose and crimson. It is the best there is in Cyclamen to date.

No. C 100. Lilac Colored.....	10 seeds, 30c; 100 seeds, \$2.50
No. C 101. Dark Red, fringed.....	Each
No. C 102. Pink, fringed.....	10 seeds, 25c.
No. C 103. Pure White.....	25 seeds, 50c.
No. C 105. White, with Red Eye.....	100 seeds, \$1.75.
No. C 106. Giant Orchid-Flowered Cyclamen in mixture,	25 seeds, 40c; 100 seeds, \$1.50.

New Yellow Primrose Buttercup.

A grand novelty for the Christmas trade, grows easily from seed, requiring no special culture. Flowers bright yellow, slightly fragrant and produced in continuous succession for months. In habit of growth the plant resembles Primula Obconica.

SOW SEED NOW. SEED STOCK LIMITED. 1000 SEEDS, \$1.00.

PLANTS from 2-inch pots, per 100, \$10.00. Ready from August 1.

VAUGHAN'S SEED STORE,

14 Barclay Street, NEW YORK.

84 and 86 Randolph Street, CHICAGO.

Henry Mette, 100,000 CALLA BULBS

QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Beet, Vegetable and Flower Seeds PANSIES.

Mette's "Triumph of the Giants"

the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per 1/4 oz.; 75c per 1-16 oz. Postage paid. Cash with order.

MUSHROOM SPAWN.



Frequent importations from England. Always fresh and lively.

J. J. Styer, Concordville, Pa.

READY TO SHIP.

Per 1000

1 -inch diameter.....	\$25.00
1 1/2 -inch diameter.....	35.00
2 -inch diameter.....	45.00
2 1/2 -inch diameter.....	65.00
3 -inch diameter.....	95.00
ASPARACUS PLUMOSUS NANUS, strong, 2-inch.....	20.00
CARNATIONS, field-grown, now ready; G. H. Crane, Success, America.....	30.00
New crop GIANT MIXED PANSY SEED.....	1/4-oz., \$1.00; 1-oz., \$4.00
New crop large SHASTA DAISY SEED.....	trade pkt., 25c; 1-oz., \$5.00; 1-lb., \$51.00
250 plants or bulbs at 1000 rate. Charges prepaid to your city. Terms cash with order.	

CALIFORNIA CARNATION CO., Loomis, Cal.

Please mention the American Florist when writing.

REMOVAL NOTICE.

Increasing business compels my removal to larger quarters. My address after July 1st will be

342 W. 14th St., NEW YORK.

ARTHUR T. BODDINGTON.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

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

BOSKOOP, HOLLAND.—Advices of June 22 are to the effect that stock is making an excellent growth.

Thus far the growing season for nursery stock in the United States has been exceptionally good.

HARTFORD, CONN.—John T. Weathers, landscape architect of Jersey City, N. J., was here last week visiting the parks and cemeteries.

VICTORIA, B. C.—Initial steps have been taken by the nurserymen of the province for the formation of a provincial nurserymen's association.

SHENANDOAH, IA.—Improvements in the way of a new brick office and additional packing sheds are slated for this year at the Mt. Arbor Nurseries.

FITCHBURG, MASS.—H. F. Cogshall presented to the city forty-five acres of land for park purposes, and has devised a sum of \$25,000, the income of which is to be applied to the maintenance of his gift.

LEXINGTON, MASS.—Edward Wood has purchased from the trustees of the Lexington Golf Club a tract of land containing thirty-three acres, and will develop it for nursery purposes. A range of greenhouses will also be built.

DES MOINES, IA.—M. J. Wragg, president of the state department of horticulture, in charge of the horticultural exhibit at the state fair, has sent out a letter to the fruit growers of the state urging their co-operation in making such an exhibit at the state fair that it may be used in sweeping the stakes at the St. Louis exposition.

PHILADELPHIA, PA.—Thaddeus N. Yates & Company have at their Mount Airy establishment a splendid plantation of Kosteri blue spruce, which stood the winter admirably. They have another importation of 500 now on the way. This spruce is as popular hereabouts as around New York and probably leads all evergreens to-day.

Good New England Laws.

Hereafter it will cost six months in jail or a fine of not more than \$500 to any person who in Massachusetts wilfully does these things:

- Cuts down or destroys timber or wood on the land of another.
- Carries away timber or wood out down or lying on the land of another.
- Digs up or carries away stone, ore, gravel, clay, sand, turf or mold from the land of another.
- Carries away roots, nuts, berries, grapes or fruit of any kind from the land of another.
- Cuts down or carries away sedge, grass, hay or any kind of corn standing, growing or being on the land of another.
- Cuts or carries away any ferns, flowers or shrubs for the purpose of sale from the land of another.

The American Peony Society.

The American Peony Society was incorporated at Albany, N. Y., July 2. The directors are given as John H. Humphreys, of Philadelphia, Pa.; Edwin A. Reeves, of Cleveland, O.; Charles S. Har-

rison, of York, Neb.; Wm. A. Peterson, of Chicago and Guy A. Bryant, Princeton, Ill.

Itch of the Brownfall Moth.

In common with most of the towns in eastern New England, Lawrence, Mass., is suffering from the annual visitation of the brownfall moth. The pest having finished his job on the vegetation has now turned his attention to the residents, and the Boston Journal comments as follows:

Itch, itcb, itcb,
I itch until I'm wroth
And all because I chanced to meet
The terrible brownfall moth!

Scratch! scratch! scratch!
Wherever I may be
And I'm glad my tongue don't utter
The thoughts that arise in me!

The people of Lawrence are competing with the spring chickens in the scratching line. As the saying goes they are literally "up to the scratch," and all because the brownfall moth has been busy exuding his poison. According to some of the most active citizens just now afflicted with the moth itch every grain of poison the brownfall moth exudes contains seventy-seven billion large, ripe itch germs, all in full working order. Physicians are racking their brains for something that will bring relief. One physician was asked for the best remedy for the terrible itching, and he merely smiled and said: "Scratch."

Cleveland.

Otto Aul, a son of Casper Aul, of Glenville, committed suicide on July 5 by taking carbolic acid. The deceased was a promising young man and of great assistance to his father in the greenhouses. No reason can be assigned for the rash act. Mr. and Mrs. Aul have the heartfelt sympathy of the craft in their great bereavement.

Herman A. Hart is rushing his new houses along. His range consists of seven houses, four 18x100 feet, one 18x70 and two 8x70. All will be partitioned off with glass. His new boiler shed is a dandy. It is fitted up to hold the entire winter supply of coal. Several other original ideas of Mr. Hart's were put into its construction. The greater part will be planted to roses and carnations. Steam heat will be used in both these new ranges.

Bate Brothers are taking a crop of cucumbers out of several of their houses previous to planting them to carnations. They claim they pay better than roses. The old rose stakes are used to support the vines.

G. M. Nauman sailed on the steamer Grosse Kurfuerst for Bremen July 5. He will make an extended stay in the old country and intends to visit a number of the principal places of botanical interest.

"Linc" Brown will spend the last two weeks of July in Philadelphia among his family and friends. "Linc" still has a warm spot somewhere for old Philadelphia.

Charlesworth & Son have finished planting out around the soldiers' and sailors' monument. The artistic work done reflects great credit upon this firm.

Frank Andrews and wife have returned from a three months' trip to England. Mr. Andrews has improved wonderfully in health by the trip.

Harry Jones, of the J. M. Gasser Company, has left on a month's vacation to visit the old homestead in Pennsylvania.

ECHO.

Lenox, Mass.

The regular meeting of the Lenox Horticultural Society was held July 2, with President Jenkins in the chair. The topic for the evening was "Hardy Roses." A. J. Loveless, gardener to J. Sloane, gained a cultural commendation for four Outremont Beauty melons, which were very fine, the four weighing 28½ pounds. W. Shaw, Long Island, was awarded a diploma for his new strawberry, Giant Ruby, and cultural commendations for Sharpless and Gandy, which were excellent berries.

GEORGE FOULSHAM.

SALT LAKE CITY, UTAH.—The movement for a new horticultural experiment station, discussed at Saturday's meeting of the Salt Lake County Horticultural Society, is rapidly growing and when the legislature meets it will be strongly presented by those interested.

ATTENTION NURSERYMEN and FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Paeonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. **W. VAN KLEEF & SONS,**
The Nurseries, Boskoop, Holland.

Please mention the American Florist when writing.

Jacs Smits, Ltd. NAARDEN. (Holland.)

(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality.

When in Europe please inspect our nurseries.

NAARDEN-BUSSUM, near Amsterdam, in our R. R. Depot.

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain
Please mention the American Florist when writing.



Send to

THE MOON

Company

For } Trees, Shrubs, Vines
Your } and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

August Rölker & Sons,

IMPORT TO ORDER

Manetti Rose Stocks for grafting. Forcing Lilacs, Lily of the Valley, Palms, Bay and Box Trees, Decorative Plants and Shrubs, Etc.

31 Barclay St. or P. O. Box 752, NEW YORK.

EVERBLOOMING

THE BEST ROSE NOVELTY

Dwarf
Crimson
Rambler

Vaughan's
Seed Store

CHICAGO.
NEW YORK.

ORDERS BOOKED NOW.

The progressive, keen and discerning Florist will this year buy of this standard introduction that is freely conceded to be the best of all Adiantums.



A Great Acquisition.

The best of all ferns for cut fronds. Brings the highest prices. The easiest to grow and the easiest to sell. Has received the highest encomiums from the leading cut flower dealers in the country.

ADIANTUM CROWEANUM originated at Utica, N. Y., about fourteen years ago, and has been extensively grown by the original owner, Mr. Crowe, who has received phenomenal prices for the cut fronds in the New York and other markets and has created a great demand for it. Buy now. Buy liberally and reap the benefits.

The fronds are long, elegantly proportioned and of a texture that renders it the best keeper and shipper of all Adiantums.

It is a very free and continuous grower, requires no rest and responds readily to fertilizers. Anyone can grow it and get good money for it.

Introducer's Description.

A free grower, the darkest green of the Adiantum family and longest stemmed. It has also the most graceful foliage; the average length of the fronds measuring 30 inches. It is by far the best keeper. Cut fronds can be kept fresh several weeks in a cool place. It is also one of the best ferns for a dwelling house. I have given presents of this fern to several Utica friends, and from my own observation note it grows better than the Boston fern. I gave up rose cultivation some ten months ago in order to devote all my attention to fern cultivation for cut fronds. I find from the same amount of bench room this fern pays me \$1.50 to every \$1.00 obtained from roses.

PETER CROWE.

KEEPING AND SHIPPING QUALITIES.

With reference to a quantity of fronds sent to Liverpool, Eng., the recipient writes from that port, June 17, 1904, as follows: "The ferns were as fresh as when they were first cut and I believe you can safely send them to Europe, provided they are as carefully packed as these were. They are simply perfect." (Signed) THOMAS R. PROCTOR.

MANY OTHER STRONG ENDORSEMENTS GIVEN IN OUR CIRCULAR OF TESTIMONIALS. FREE ON REQUEST.

GENERAL JOBBING AGENTS:

- | | |
|--|--|
| H. A. DREER,
Philadelphia, Pa. | W. W. BARNARD & CO.,
Chicago, Ill. |
| F. R. PIERSON CO.,
Tarrytown, N. Y. | E. G. HILL CO.,
Richmond, Ind. |
| C. C. POLLWOTH CO.,
Milwaukee, Wis. | A. N. PIERSON,
Gromwell, Conn. |
| VAUGHAN'S SEED STORE,
Chicago and New York. | LAKEVIEW ROSE GARDENS,
Jamestown, N. Y. |

STOCK NOW READY TO SHIP, out of 3-inch pots, strong plants, at the following prices:—\$5.00 per doz.; \$35.00 per 100; \$250.00 per 1000. 25 at 100 rate; 250 at 1000 rate.

ALSO STOCK PLANTS FROM BENCH, in size requiring 8 to 10-inch pots, \$9.00 per doz.; \$67.50 per 100; \$600.00 per 1000. A booklet on growing this Fern, by the originator, Mr. Crowe, free with every shipment.

WM. F. KASTING, SOLE DISTRIBUTOR
383-87 Ellicott St., BUFFALO, N. Y.

S. S. SKIDELSKY, Traveling Representative; Mail Address, 824 N. 24th St., PHILADELPHIA, PA.

The Cottage Gardens Co.
 (Incorporated.)
 Queens, Long Island, New York.

Nursery Book, giving descriptions of nursery stock, peonies, etc., mailed upon application.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

K. Keessen, Jr.
AALSMEER, near Amsterdam, (Holland.)

OFFERS

Buxus clipped into shapes; Pot-grown Ivy and from open ground per 100 and per 1000; Pot-grown plants for forcing, etc., etc. Price list free on demand. When in Holland, call on me and inspect my nursery.

Fine Rose Plants

BRIDE and BRIDESMAID

3 1/2-in. pots, ready to plant.
Must be sold at once.

The Cleveland Cut Flower Co.
52 & 54 High St., CLEVELAND, O.

Per hundred, \$4.50
Per thousand, \$40.00

CASH WITH ORDER.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID.....	\$2.50	\$20.00
BRIDE.....	2.50	20.00
GOLDEN GATE.....	2.50	20.00
IVORY.....	2.50	20.00
LIBERTY.....	5.00	45.00
PERLE.....	2.50	25.00

In 3-inch Pots.

BRIDESMAID.....	\$4.00	\$35.00
BRIDE.....	4.00	35.00
PERLE.....	4.00	35.00

My 2 1/2 and 3-inch Roses are in fine condition. Large, clean and healthy. Place your order without delay. They will go quick at these prices. Positively A1 stock.

GEO. REINBERG.
51 Wabash Ave., CHICAGO.

ROSES. 3 1/2-inch pots. First-class Plants

	Per 100	300	Per 1000
1000 Sunset.....	\$6.00	300 Sunrise.....	\$6.00
1000 Chatsenay.....	6.00	300 Meteor.....	6.00
1000 Maid.....	6.00	300 Hoste.....	6.10
800 Bride.....	6.00	150 Liberty.....	6.00
700 Golden Gate.....	6.00		

SYRACUSE GREENHOUSES, Syracuse, N. Y.

3-INCH ROSES. Splendid Strong Stock. Low Closing Prices.

	Per 100	Per 1000
Bride, Maid, Ivory, Gate.....	\$4.00	\$35.00
Beauty.....	5.00	45.00
Perle, very fine.....	5.00	50.00

2 1/2-INCH.

Bride, Ivory.....	2.50	20.00
Beauty.....	3.00	25.00

Very low prices for very choice plants. Order at once. Stock will not last long at such prices.
W. H. GULLETT & SONS, Lincoln, Ill.

600 METEOR ROSES

4-inch, clean and thrifty, 8c each or \$40.00 for the lot. GOLDEN GATES, \$2.50 per 100; \$20.00 per 1000.

Also Chrysanthemums, 2 1/2-in., \$2.00 per 100. Bonnafon, Robinson, Bassett, J. H. Brown, Col. Appleton.

WM. B. SANDS, Lake Roland, Baltimore, Md.

Grafted Roses.

Bride, Bridesmaid, Golden Gate, Kaiserin, Woolton, 4-inch, \$20.00 per 100; 2-inch, \$15.00 per 100; \$120.00 per 1000. Own roots, 2-inch, \$80.00 per 1000.

GEORGE L. PARKER,

Washington cor. Rockwell St., Ward 24, BOSTON.
Please mention the American Florist when writing.

American Beauties.

Plants from 3-inch pots, clean and healthy, \$30.00 per 1000.

JOHN MUNO, Rogers Park, Chicago, Ill.
Please mention the American Florist when writing.

ROSES...

Maid, Bride, Gate, Perle, 2 1/2-inch, per 1000, \$25.00; per 100 \$3.00.
Maid, Bride, Gate, Perle, 3 1/2-in., per 1000, \$45.00.
Cut back benched Beauties, a few thousand plants left, \$35.00 per 1000. Elegant stock to replant in benches.
2 1/2-inch Beauties, per 1000.....\$40.00 3 1/2-inch Beauties, per 1000.....\$55.00
Cut back benched Teas, per 1000.....\$40.00
Prices are extremely low considering quality of the stock. We have to dispose of them to finish planting. Orders booked for delivery anytime during July.

CHRYSANTHEMUMS.

WHITE	Cuttings 2 1/2-in. pot per 100	2 1/2-in. pot per 100	YELLOW	Cuttings 2 1/2-in. pot per 100	2 1/2-in. pot per 100
Estelle.....	\$1.50	\$2.50	Chautauqua Gold.....	\$2.00	\$3.50
Geo. S. Kalb.....	1.50	2.50	Robert Halliday.....	1.50	2.50
Merry Christmas.....	1.50	2.50	Eclipse.....	2.50	4.00
Wanamaker.....	1.50	2.50	PINK		
Chadwick.....	2.50	4.00	Murdock, Perrin, Pacific.....	1.50	2.50
Fitzwygram.....	2.00	3.50	Shaw, Quito.....	2.00	3.00
Ivory.....	1.50	2.50	Richardson, Maud Dean.....	1.50	2.50
Jones.....	1.50	2.50	Duckham, Sensational Pink..	25.00	30.00
YELLOW			RED		
F. D. Smith.....	1.50	2.50	Intensity, Schrimpton.....	2.00	3.00
Whilldin.....	1.50	2.50	VARIOUS		
Parr.....	1.50	2.50	Percy Plumridge.....	6.00	8.00
Sunshine.....	1.50	2.50	Mounier.....	1.50	2.50
Gold Mine.....	2.50	3.50	C. J. Salter.....	6.00	8.00
Monrovia.....	2.00	3.00	T. W. Pockett.....	6.00	8.00
Nagoya.....	2.00	3.00	Lord Hopetoun.....	10.00	12.00

Headquarters for Finest Cut Roses and Carnations. Shipments made direct from Greenhouses or Store.

POEHLMANN BROS., Morton Grove, Cook County, Ill.

Please mention the American Florist when writing.

GRAND NEW RED ROSE

Etoile de France

(HYBRID TEA.)

The Queen of the Red Roses for forcing. Of a rich, brilliant color, much more vigorous and easier to grow than Liberty. Ready for distribution Nov. 1, 1904 by

J. PERNET-DUCHER,

ROSE GROWER

VENISSIEUX-LES-LYONS, (Rhone, France.)

Please mention the American Florist when writing.

ROSE PLANTS.

In 2 1/2-inch pots.	Per 100	1000	In 2 1/2-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Meteor.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.

51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

Toronto.

The last few days of June were notable for the many weddings and every variety in the rose line was exceedingly scarce, especially was this so with Bride and valley. Since then stock has been a little more plentiful, but the roses are at present pretty badly mildewed. Beauty and Edgely still hold up and are by long odds the best, though Meteor is still of good quality. Carnations continue very plentiful and the prices have consequently been lowered the last few days. Lilies are over and lily-of-the-valley is of poor quality.

Frank Duffort is still cutting quantities of fine late peonies. These are a specialty with him and his is a collection of fine varieties. Asters coming from him are the first in this vicinity and the plants are looking unusually fine. Two houses are being pulled down and the space will be covered with modern style structure.

H. L. Jansen, of Berlin, is in town looking up material for a new range of three houses which he is constructing. These are to be modern and will be used exclusively for the growing of carnations. The past season has been a good one with him and he is laying in large quantities of young stock for the coming season.

Grobba & Wandrey, of Mimico, are putting up a new range of houses for chrysanthemums, brick tile and iron being used, and the work is being hurried, no doubt with a view towards having a crop ready for the fall show.

Manton Brothers have been spending some time in the swamp gathering live moss for their orchids and they found some very nice variety of spiranthes, and some nice Cypripedium spectabile.

Wm. Jay, Jr., has returned from Buffalo where he has been spending the holidays.

William MacKay is the first with outdoor sweet peas.

H. G. D.

Albany, N. Y.

W. C. King has purchased the greenhouse establishment formerly conducted by Louis Marx at 1056 Madison avenue. The establishment has about 13,000 feet of glass. Mr. King will grow a general line of decorative stock, and next year will add about 1000 feet to his present area. Some time ago Mr. King sold his establishment on Yates street to the State Department of Health, which was desirous of securing the same to add to its own property adjacent. The State Department of Health will erect on the new site an anti-toxin laboratory, and will keep most of the greenhouses intact for the purpose of raising lettuce and other plants suitable for feeding rabbits and guinea pigs which are used in the experimental work in making the anti-toxin.

For the fifth year in succession the firm of Whittle Brothers did the decorative work for the commencement exercises at Williams College, Williamstown, Mass., June 18-23. The firm used about 150 large palms of different varieties, fifty ferns and fifty pots of hydrangeas and lilies, besides other seasonable flowers.

Daniel Whittle, master of Masters' Lodge No. 5, F. and A. M., on Monday evening, June 27, at the close of the last meeting for the season, invited his brethren to a spread at the Ten Eyck. About 175 masons partook of Master Whittle's generous hospitality.

R. D.

Clearing Sale

OF ROSE PLANTS

CHATENAY
Very fine 3-inch, \$50.00 per 1000.

BEAUTY
2 1-2-inch, \$40.00 per 1000.

BRIDE
2-inch, \$20.00 per 1000.

BRIDESMAID
2-inch, \$20.00 per 1000.

BENCH PLANTS 1 and 2 year-old.

BEAUTY, \$25.00 per 1000.
BRIDE and BRIDESMAID, grafted 2-year-old plants, \$25.00 per 1000.

ALL PLANTS SHIPPED FROM OUR GREENHOUSES AT HINSDALE, ILL.

BASSETT & WASHBURN,

Office, 76 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

BRIDE AND BRIDESMAID PLANTS FROM 2-INCH.

Price to clean out, **\$20.00 per 1000.** This is a cheap price, but not cheap stock, being first-class in every respect.

METEORS, from 2½-inch pots, strictly first-class, \$15.00 per 1000. All stock in extra fine condition. Sample sent upon application.

AMERICAN BEAUTY, 3-inch, \$40.00 per 1000.

BEAUTY BUSHES, one-year old, from bench, clean and healthy, \$30.00 per 1000; \$3.00 per 100.

J. A. BUDLONG

37 Randolph St., CHICAGO.

Please mention the American Florist when writing

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN.

LIBERTY, 3½-inch pots, \$18.00 per 100. **BRIDESMAID, BRIDE, IVORY, GOLDEN GATE**, 3½-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

—STRICTLY FANCY—

Am. Beauty and Perle Roses

as well as other varieties, as per enclosed list, can be had at once by writing

GEO. A. KUHL, Pekin, Ill.
Everything sent out is strictly First-Class and Guaranteed to give satisfaction.

No.	Variety.	R. C.	2x2½	2½x3	3x3
1	Meteor	\$1.50	\$2.50	\$3.50	\$5.00
2	Brides	1.50	2.50	3.50	5.00
3	Maid	1.50	2.50	3.50	5.00
4	Ivory	1.50	2.50	3.50	5.00
5	Golden Gate	1.50	2.50	3.50	5.00
6	Perle	2.00	3.00	4.00	6.00
7	La France	2.00	3.00	4.00	6.00
8	Kaiserin	2.00	3.00	4.00	6.00
9	Wootton	2.00	3.00	4.00	6.00
10	Bell Siebrecht	2.00	3.00	4.00	6.00
11	President Carnot	2.00	3.00	4.00	6.00
12	American Beauties	3.00	6.00	8.00	10.00
13	Liberty	4.00	6.00	8.00	10.00

Roses. Extra Fine.

	3-inch Stock.	Per 100
Bridesmaid	\$4.00 to \$6.00
Meteor	4.00 to 6.00
Ivory	4.00 to 6.00

Also 1-year old American Beauties from bench for immediate planting or 6-inch pots.

The J. M. GASSER CO., Cleveland, O.

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AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROS., New Castle, Ind.
South Park Floral Company.

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AMERICAN BEAUTIES

Extra fine Stock in 3 and 4-inch for
Immediate Planting.

WRITE FOR PRICES.

JOHN N. MAY, Summit, N. J.

NEW CARNATION

FIANCEE

Winner of all important prizes the past year.

Place your orders now for **FIANCEE** and **THE CARDINAL**. Ten Acres of **Peony Roots**. Write us for best and common varieties.

CHICAGO CARNATION CO., Joliet, Ill.

ROSE PLANTS CHOICE STOCK.

IVORY, 2½-in., \$3 per 100; \$25 per 1000; 3-in., \$5 per 100. BRIDESMAID, 2½-in., \$3 per 100; \$25 per 1000. PERLE, 2½-inch, \$3.50 per 100. This stock is all A1.

C. C. POLLWORTH CO., Milwaukee, Wis.

AMERICAN BEAUTY

3-inch, \$5.00 per 100.

GATES, 2½-inch, per 100\$2.00

BRIDES and MAIDS, 2½-inch, per 100. \$2.50

RHOTEN BROS. CO., Box 5, Danville, Ill.

ROSES. CLOSING OUT PRICES.

2½ and 3-in., extra choice stock. Per 1000

Golden Gate.....\$20.00

Bride.....20.00

Bridesmaid.....21.00

Mme. Chatenay.....30.00

Above prices cash with order.

JOHN BROD, Niles Center, Ill.

LAWSON

Field-grown plants, extra strong, \$50.00 per 1000.

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59 Wabash Ave., CHICAGO.

NEED A FIRST-CLASS

Commercial White?

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SHARON, PA. 824 N. 24th St., Philadelphia.

CHRYSANTHEMUMS.

STRONG, COOL GROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonnaffon, White Bonnaffon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2¼-inch pots, \$2.00 per 100. Special price by the 1000.

COLEUS, Golden Bedder, Verschaffeltii and fancy mixed, 2¼-inch, \$1.75 per 100; \$17.00 per 1000. Rooted cuttings, 75c per 100.

H. N. EATON, Agent.
SO. SUDBURY, MASS.

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New and standard varieties. Write for prices. Our selection of standard varieties, including some novelties of last year, \$20.00 per 1000. 50¢ at 1000 rate.

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Chrysanthemums.

Major Bonnaffon, out of 2¼-inch pots, strong plants, \$2.25 per 100; \$20.00 per 1000.

A. D. Montgomery,
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Loomis Floral Co.,
CARNATIONS,
Loomis, Cal.

ROSE PLANTS.

Low Prices
to Close Out.

STRONG STOCK FROM 2½-IN. POTS.

UNCLE JOHN The Finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	Per 1000
Mme. Chatenay.....	\$3.00	\$25.00
Sunrise.....	5.00	40.00
Liberty.....	5.00	40.00
Bridesmaid.....	2.50	20.00
Bride.....	2.50	20.00
Perle.....	2.50	20.00
Golden Gate.....	2.50	20.00

FROM 3-INCH POTS.

American Beauty.....	\$6.00	\$50.00
Mme. Chatenay.....	5.00	40.00
Bridesmaid.....	3.50	30.00
Bride.....	3.50	30.00
Perle.....	3.50	30.00
Golden Gate.....	3.50	30.00
La France, 4-inch..	5.00	40.00

2-YEAR OLD PLANTS
FROM BENCHES.

American Beauty.....\$5.00 \$40.00

1-Year Old Bench Plants.

Liberty.....	\$5.00	\$40.00
La France.....	5.00	40.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist to advertisers.

SEASONABLE STOCK.

ORDER NOW!

ASPARAGUS DECUMBENS, 2 1/4-inch.....	Per 100	\$ 4.00	FERN, ADIANTUM CHARLOTTE, 4-inch.....	Per 100	\$15.00
" PLUMOSUS SEEDLINGS.....	per 1000	\$20.00	FERN, ADIANTUM CUNEATUM, 3-inch.....		6.00
" PLUMOSUS, 2 1/4-inch.....		4.00	" " " 4-inch.....		15.00
" " 3-inch.....		7.00	" " " 5-inch.....		25.00
" " 4-inch.....		15.00	LEMON, American Wonder, 2 1/4-inch.....		3.00
" " 5-inch.....		25.00	" " " 3-inch.....		4.00
CHRYSANTHEMUMS, Golden Chadwick.....		3.00	" " " 4-inch.....		7.00
" " Wm. Duckham.....	doz.,	\$2.00	PANDANUS UTILIS, 5-inch.....	doz.,	\$4.00
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" " Golden Chain.....		10.00	" " " 4-inch.....		10.00
" " Col. D. Appleton, Mrs. T. L. Parks, Mrs. Jerome Jones, Mrs. Perrin, Superba, White Bonnafon, Yellow Jones, Marion Newell, Marie Liger, Omega, W. H. Chadwick, Yellow Eaton, 2-inch pots.....		2.00	" Mad. Petite Andre, 3-inch.....		7.00
CYCAS STEMS.....	per 100 lbs.,	\$8.00	" American Beauty, 3-inch.....	\$8.00,	4-inch, 12.00
FERN, BOSTON, 2 1/4 inch, very strong.....		5.00	" Bridesmaid, 2 1/4-inch.....	3.50,	4-inch, 8.00
" " 3-inch, very strong.....		10.00	" Bride, 2 1/4-inch.....	3.50,	4-inch, 8.00
" " 4-inch, very strong.....		20.00	" Golden Gate, 2 1/4-inch.....	3.50,	4-inch, 8.00
" ADIANTUM FARLEYENSE, 2 1/4-inch.....		8.00	" Ivory, 2 1/4-inch.....	3.50,	4-inch, 8.00
" " 3-inch.....		12.00	" Liberty, 2 1/4-inch.....	6.00	
" " 4-inch.....		25.00	" Meteor, 2 1/4-inch.....	3.50,	4-inch, 8.00
			" Perle, 2 1/4-inch.....	4.00,	4-inch, 10.00
			" La Detroit, 3-inch.....		25.00
			" Mme. Abel Chatenay.....		6.00

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Gloire de Lorraine.
July Delivery, 2-in. pots, \$12.00 per 100.

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2 1/4-inch pots, \$15 00 per 100.

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

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GIANT CYCLAMENS
My Specialty.

3-inch, \$8.00 per 100. Extra fine stock.

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CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, extra well-grown stock from 3-inch pots, \$7.00 per 100; \$65.00 per 1000. Satisfaction guaranteed.

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Cannas 20 BEST VARIETIES.
See our display at the World's Fair.

CARNATIONS All the standard kinds for fall delivery.

—WRITE FOR PRICES—

W. W. COLES, Kokomo, Ind.

25,000 Eaton, Appleton, Ivory, Maud Dean, Bonnafon, Mrs. Murdock, Mrs. Coombes, Jones and many more kinds from 2 1/4-inch pots, \$2.25 per 100. 300 our selection, all good ones, for \$5.00 cash. Come and see our stock. Largest lot in the state. Greenhouses at East Sudbury Station (no walking), or write us a list of kinds wanted and we will make price by return mail.

COOLIDGE BROS., So. Sudbury, Mass.

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Per 100

Chinese, 2-inch pots.....	\$2.00
Obconica, Alba and Rosea.....	2.00
Forbesi, all ready July.....	2.00
1000 Smilax.....	1.25

Cash or C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

50,000

SMILAX

Strong plants from 2 1/4-inch pots, \$1.25 per 100; \$10.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2 1/4-inch pots, \$2.50 per 100; \$24.00 per 1000.
ASPARAGUS SPRENCERI, from seed bed, ready for pots, \$1.00 per 100; \$9.00 per 1000. Cash.

The W. T. Buckley Plant Co.
SPRINGFIELD, ILL.

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Mary 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.

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VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

ELI CROSS, Grand Rapids, Mich.

VIOLET STOCK From pots. Now ready.

Marie Louise, Lady Campbell and Princess of Wales, \$20.00 per 1000. IMPERIAL, best dark variety, \$25.00 per 100. COLEUS, 2 1/4-inch, \$3.10 per 100; \$25.00 per 1000. LOBELIA, 3-inch same rate. MARGUERITES, 4-inch, \$6.00 per 100.

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Alternantheras

Red and Yellow, from 2-inch pots, \$1.50 per 100; \$15.00 per 1000.

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CABBAGE, Late, Flat Dutch, Drumhead and Burpee's Surehead; nice plants: TOMATOES, Stone, Liv. Beauty, Paragon and Royal Red. 75¢ per 1000. Cash. Adams and U. S. Express.
BYER FLORAL CO., Shippensburg, Pa.

ASPARAGUS.

Per 100

Plumosus Nanus, Seedling.....	\$1.75
" " 2-inch, July.....	2.50
Sprengeri, \$18.00 per 1000.....	2.00
Pansy Seed, July.....	per ounce, \$4.00

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BEGONIA REX

Extra line stock in good assortment.

From 3-inch pots, \$5.00 per 100.

Asparagus Tenuissimus, Strong, from 2-inch, pots, \$3.00 per 100.

Asparagus Plumosus, From 2-inch pots, \$4.00 per 100.

NATHAN SMITH & SON,
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Rooted Cuttings. Fall Delivery.

Send for list of varieties now. You not only get a reduced price for early orders, but the cuttings can be shipped when just right.

Good cuttings will make good plants. I am going to give you good cuttings and want your orders whether for 100 or 20,000.

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POINSETTIAS.

Strong, 2 1/4-inch, \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate. Satisfaction guaranteed. Cash with order please.

W. W. STERTZING, 7280 Old Manchester Rd., ST. LOUIS, MO.

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Strong, 2 1/4-in., \$6.00 per 100; \$50.00 per 1000
Strong, 3-inch, 8.00 per 100; 65.00 per 1000
25 at hundred rate. Terms cash. Satisfaction guaranteed.

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Asparagus Plumosus Nanus.

We offer Flats of Asparagus in which 1000 seed were originally sown, now contain from 800 to 900 fine Seedlings ready for 2 1-2-inch pots at \$10 per flat.

2 1-2-inch Asparagus - - \$3.00 per 100

HOLTON & HUNKEL CO., MILWAUKEE, WIS.

To Clean Out.

Cannas. Fine and bushy in 4-inch pots, Martha Washington, Souv. de Antoine Crozy, Florence Vaughan, Mme. Crozy and Austria, at \$4.00 per 100.

SMILAX, 2 1-2-in. pots, \$2.50 per 100; \$20 per 1000.
BRIDES and **MAIDS**, 3-in. \$4.00 per 100.

SPECIALTIES

ROSES, from 3-inch pots, **In Best**
CARNATIONS, for all delivery, Varieties
CHRYSANTHEMUMS,
SMILAX, VIOLETS. Varieties
Prices Low. Send for List.

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Orchids!

Arrived large shipments in superb condition.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

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True Plumosus nanus, strong plants from seed sown January and February, \$12.00 per 1000, (\$25 at 1000 rate); \$1.50 per 100, prepaid to destination. Cash with order. Send for samples. On large lots, write us for prices.
SPRENGER, strong seedlings once transplanted, per 100, 80c; per 1000, \$6.50, prepaid.

YALAHA CONSERVATORIES, Yalaha, Fla.

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BOSTON and PIERSONI FERNS

in 2½, 3, 4, 5, 6, 7, 8 and 10-inch pots.

Asparagus Sprengeri and Plumosus, in all sizes at **GEO. A. KUHL'S, Pekin, Ill.**

WRITE HIM FOR PRICES.

Boston Ferns.

\$5.00 per 100; \$40.00 per 1000, cut from bench.

ANNA FOSTER FERNS, \$5.00 per 100; \$40.00 per 1000, cut from bench. Larger plants 25c to 50c each. **ASPARAGUS PLUMOSUS NANUS**, 4-inch, \$10.00 per 100. **KENTIA PALMS**.

L. H. FOSTER, 45 King St., Dorchester, Mass.

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ROBERT CRAIG & SON,
Roses, Palms,
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10,000 fine 2½-inch at \$4.00 per 100; \$35.00 per 1000. 3-inch, \$8.00; 4-inch, \$15.00; 5-inch, \$25.00 per 100; 6-inch, 40c; 7-inch, 60c; 8-inch, 75c each.

PIERSONI FERNS, Stroug Rooted Runners, \$4.00; 2½-inch, \$8.00 per 100.

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AURAGARIA EXCELSA

—MY OWN IMPORTATION.—

5½-inch pots, 3 to 4 tiers 10 to 12-inches high, 50 to 60c; 12 to 15 inches high, 3 to 4 tiers, 75c; 15 to 18 inches high, 3, 4 to 5 tiers, 85c.

KENTIA FORSTERIANA and **BILMOREANA**, 6-inch pots, 5 to 7 leaves, 28 to 35 inches high, 75c to \$1.00 each.

FIGUS ELASTICA, (Belgium), 4-inch pots, 25c. Cash with order please. All goods travel at purchasers' risk.

Godfrey Aschmann,

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BOSTON FERNS.

2½-in. 3c; \$30.00 per 1000. 3½-in. 7c; \$70.00 per 1000.

Piersoni 3¼-in., 10c; \$100 per 1000. 5-in., 25c; \$25 per 100. 6 in., 35c; \$35 per 100.

Asparagus Plumosus Nanus, stroug, 3¼-in., from bench, ready for 4-in., 7c; \$7 per 100; \$70 per 1000. Cash with order, please.

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3x 6x18	2.00	19.00	2.50	23.00	2.75	26.00	3.00	28.50	3.00	28.50	3.00	28.50
4x 8x18	2.50	23.00	2.75	26.00	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50
3x 5x24	2.75	26.00	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50
4x 8x22	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50
4x 8x28	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50
6x 16x20	3.75	36.00	5.50	54.00	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50
3x 7x27	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50
5x 10x35	6.50	62.00	9.50	67.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50
7x 20x20	9.50	67.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50	3.00	28.50
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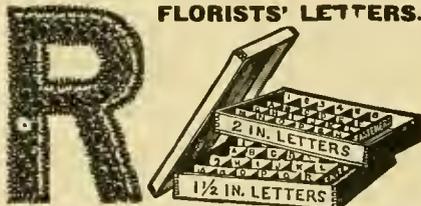
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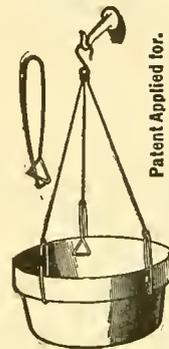
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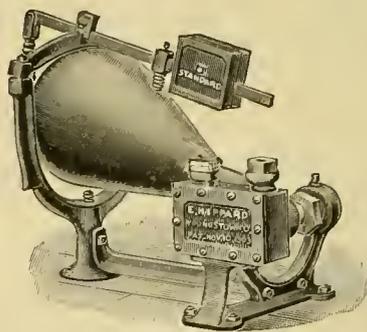
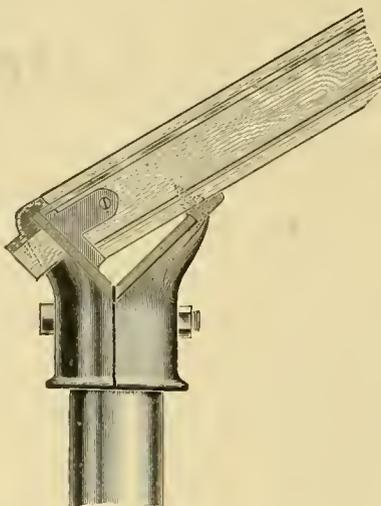
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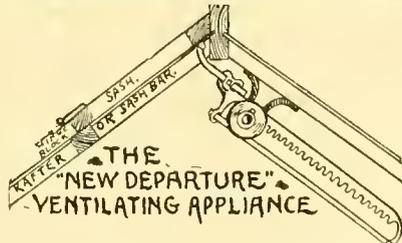
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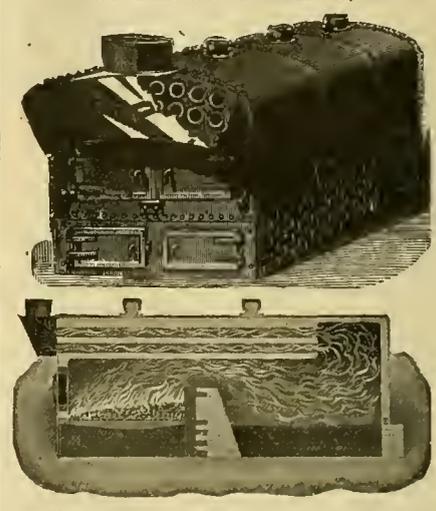
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LENOX, MASS.—In our report of the exhibition of the Lenox Horticultural Society, held June 22, William Woods, gardener to Mrs. J. E. Parsons, secured the prizes for single dish and three dishes of strawberries which were credited to another exhibitor.

CANANDAIGUA, N. Y.—The second annual rose carnival was held June 27 and 28, afternoon and evening, in the new Methodist church. There were sixty premiums in thirty classes offered to amateur growers of roses, peonies, carnations, some pot plants, herbaceous flowers, cherries and strawberries, while premiums were offered to professional and amateur gardeners for the best displays of potted plants, carnations and greenhouse roses.

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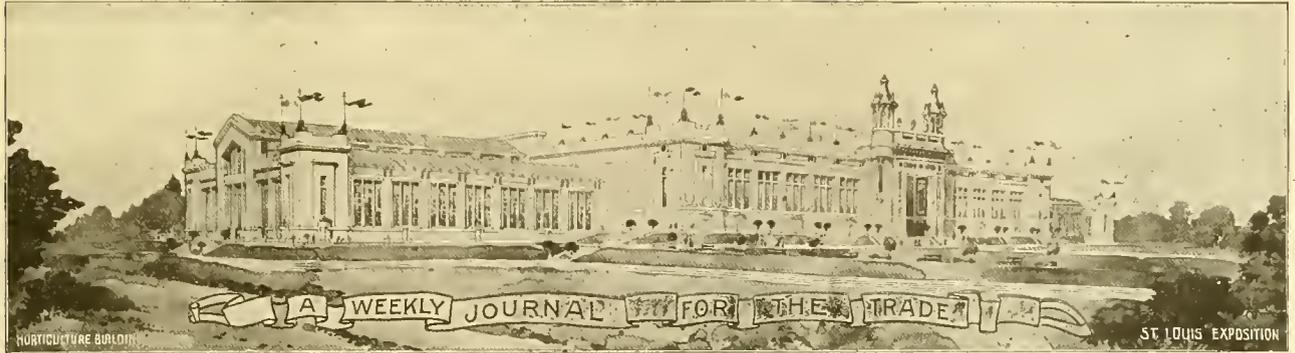
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THE AMERICAN FLORIST



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Vol. XXII.

CHICAGO AND NEW YORK, JULY 16, 1904.

No. 841.

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NINETEENTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—PHILIP BREITMEYER, Detroit, Mich., president; J. J. BENEKE, St. Louis, Mo., vice-president; Wm. J. STEWART, 11 Hamilton Place, Room 11, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twentieth annual meeting at St. Louis, Mo., August 16-19, 1904.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Chicago, 1905. ALBERT M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass., 1905. LEONARD BARRON, 136 Liberty St., New York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1904. FRED H. LEMON, Richmond, Ind., secretary.

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THE CARNATION.

Housing the Field Plants.

By July 20 operations should be under way for transferring the plants into the houses. This date may be earlier than many growers think necessary to commence planting, but my experience has convinced me that for the most successful culture of our up-to-date varieties planting should be commenced at about this date, and the aim should be to have the work completed by August 10 at the latest. The increased output of carnations all over the country, together with the high quality of the stock produced, has created a demand which is only satisfied by the very best, a fine, large bloom carried on a long, stiff stem. To produce this the plant will have to be of strong constitution and the roots well established in the soil. By planting at this time October should find the plants in just the right condition, provided they have had the proper attention.

Large quantities of short stem blooms are still seen on the market in October and November, most of them cut from plants allowed to remain in the field until the last of August and sometimes September, so that when planted in the growths and buds are well advanced. These plants will throw a big cut of short stem blooms of inferior quality soon after planting, when the market is usually very slow and only flowers of the first quality will find a purchaser. This cut is the result of field growth, the plants not having had time to be thoroughly well rooted into the soil in the houses as is the case with the plants brought in a month or six weeks earlier. The nights commence to get colder and the days shorten. Plant growth is not nearly so active as in August and September, consequently the plants are longer getting established, and are at a disadvantage compared with the earlier planted stock for the winter's campaign. Where large quantities, consisting of a number of varieties are grown, a plan of planting should be mapped out and the varieties which are slow of growth brought in first, following with the others, according to their habits and growth characteristics, leaving to the last those of small foliage or which are inclined to grow spindly. Varieties of growth similar to Mrs. Lawson, Adonis, Prosperity and Mrs. Bradt, which have a heavy, short growth, should be planted in first and varieties of quick, vigorous growth, like

Mrs. Joost and Governor Wolcott left to the last.

Another very important point to bear in mind is to plant the varieties which require about the same temperature together. For instance, in a house with Mrs. T. W. Lawson only varieties which will stand a night temperature of 54° to 56° should be planted. This, in my experience, is too high a temperature for any other carnation, so if it is at all possible give Mrs. Lawson a place by itself. The largest number of varieties do best in a night temperature of 50° to 54°. In this class can be named Harlowarden, Gov. Wolcott, Geo. H. Crane, Her Majesty, Adonis and Queen Louise. Another batch should be allotted a place where the night temperature is kept strictly at 50° or a little below. In this class come Enchantress, Mrs. Joost and White Cloud.

The house must be shaded enough to prevent the plants from wilting without being syringed too often. We use a mud shading and have not found anything to answer the purpose any better. It can be removed easily at any time. When this has been attended to examine the benches to see that they are in good enough condition to last through the season. If this is not certain the repairing had better be done now than later, when the bench is full of soil. Give the benches a thorough cleaning, both inside and underneath. The inside should receive a coat of hot lime wash, paying particular attention to the cracks and corners. These are the places that need it the most.

Another important part is to make sure the drainage of the benches is all right. Carnations will suffer as much or more than any other plants if the water does not pass away freely. This is one of the principal causes of the calyx splitting, and also results in weak stems. The cracks in the bottom of the bench should be covered just enough to prevent the soil from falling through. I am against using rotted manure for this purpose and never use it on any plants, preferring to have all fertilizers thoroughly incorporated in the soil. Good, thin sod, where it can be obtained, is as safe a material to use as any. Lay it over the cracks, with the grass side turned down. This lessens the chance of it growing up through the bed. Dried leaves gathered the fall before and stacked all winter are also good to place in the bottom of the bench. We also use excelsior, and find this to answer as well as anything, and considering the time taken in

collecting the sod or leaves it is the cheapest in the end. A very little answers the purpose, just enough along the cracks to prevent the soil falling through. Do not use hay or straw. These are liable to breed fungus.

The house cleaned and the drainage attended to, we are now ready for the soil. Where the compost pile was made in early spring and turned over a time or two, very little needs now be done to it except getting it into the benches, but be sure it is well mixed and pulverized, free from all clods. Fill the benches even full, firming to a medium degree, but not nearly as much as for roses and chrysanthemums. In cases where no compost heap has been made but the soil and manure stacked in separate piles, caution must be exercised regarding the manure. Be sure it is not too green, this being one of the principal causes of stem rot and a soft, sappy growth. Use one part of the manure to three parts of soil, thoroughly mixing it together, and after putting into the benches work into it a dusting of bone meal in the proportion of a pint to the square yard. Then mix this through the soil and level and firm as before.

In lifting the plants in the field have two men digging and two setting the plants in boxes deep enough to hold them upright and only large enough for a man to handle easily. Care should be taken to save as many of the roots as possible, taking only as much soil as clings to the roots in digging. If the digging is done in a very dry spell we take some half-barrels of water into the field and dip the roots as they are dug, sprinkling a little dry soil over them as they are placed into the boxes. This dry soil clings to the roots, and we have had no trouble from wilting when following this method. After the plants are dug get them into the houses as soon as possible, and dig only enough for the immediate requirements, because if allowed to stand around in the wind and sun they quickly suffer.

In setting the plants in the benches stretch a line the length of the bench, and when the plants are brought in from the field have them set at intervals so as to be handy to get at. Have two men do the job at a bench, one to lay the plants while the other sets them out. Be sure the plants are not set too deep, but have a little mound made directly under the stem, allowing the roots to fall out straight all around it, then make sure the roots are all covered with soil. Plant as firmly as you can, considering the condition of the soil. They may not all stand upright after the first watering, but if the roots are properly covered and no deeper than when growing in the field they will be all right in a very short time. After the bench is planted give the plants a good watering, but not enough to flood the soil; better by far to go over it again after the soil has partly absorbed the first watering. After planting give the plants frequent light sprayings to prevent wilting; also, do not allow draughts to blow on them. Keep the house a little close, but not so as to run the temperature very high.

After they commence to take hold gradually remove the shading, pay particular attention to the watering (water only as they require it), and syringe enough to keep the plants free from spider and give plenty of ventilation. Some varieties require different treatment as regards topping back. After this date varieties of the habit of Adonis, Mrs. Lawson or any other kinds that make a short-jointed, bushy growth, should not be

pinched back too severely. From now on pick out only shoots that are running up to the bloom. This applies to plants already in the house and those still in the field. Wiry, straggling growers can still be pinched back as before for a few weeks yet.

C. W. JOHNSON.

PALMS AND FERNS.

Some Uncommon Palms.

That the ordinary list of commercial palms is an exceedingly brief one is well known to nearly all of the readers of the AMERICAN FLORIST, and those who have familiarized themselves with that brief list and its needs from a cultural point of view are sometimes inclined to step a little further among the 1,200 or more species of palms that are known to botanists. The palms are a most interesting family, not only from the fact that



The late Edward Butler.
(See obituary, page 989.)

they form one of the most impressive groups of foliage plants that we have, with their towering trunks and graceful leaves, but also on account of their great economic value, their fruits, leaves and trunks being put to such a multitude of uses. But if we begin to enumerate the uses to which palms are put, beginning with the 800 different uses to which the parts of the Palmyra palm, *Borassus flabelliformis*, are said to be put by the Asiatics, this article would be more tedious than usual, so it will be better to confine ourselves to some notes upon the characteristics and cultural requirements of a few of those species that are less common though not by any means new.

The first to suggest itself in this connection is *Diplothemium caudescens*, a remarkably handsome Brazilian palm that has been grown in many collections under the name of *Ceroxylon niveum*, and also known as the Brazilian wax palm. This is a strong growing species and is said to reach up quite high on the Andes, from which we learn that great heat is not required for the welfare of an established plant of this palm, though like many other plants, this *diplothemium* in the seedling stages of its growth seems to do best in a warm house. Young

plants of this palm do not show its full beauty or character, the seedlings having only broad-bladed simple leaves until they are about large enough for a 6-inch pot, but later on the foliage assumes its proper pinnate form, the leaves standing rather erect and divided into many narrow leaflets. The latter are dark green on the upper side and silvery white beneath, and by the time the *diplothemium* gets to be eight or ten feet in height one is more likely to appreciate the fact that this is really a very beautiful palm, and worthy of more extended use.

The best specimens of this palm that I have seen were grown in a sandy loam with only a moderate proportion of stable manure as a fertilizer, but were given liberal quantities of water at all times, and also an occasional watering with liquid manure during the summer. A shaded palm house is the proper place for this palm in order to keep its most attractive color, and a night temperature of 60° during the winter is high enough for established plants, while seeds and seedlings may be given a slightly higher temperature without injury. As it attains maturity the stem of *diplothemium* is more or less coated with a thin layer of resinous wax, this wax being sometimes mixed with tallow and then formed into candles by some of the South American natives, and it is from this characteristic that the plant has been designated as the wax palm.

A palm of superior beauty to the average, and possibly more rare in collections than the *diplothemium*, is found in the form of *Stevensonia grandifolia*, a species that has been in cultivation for over thirty-five years, but is still far from common. Being a native of the Seychelles, this palm is naturally a warm house plant, but the fact has also been demonstrated that a large plant of this species may be gradually inured to a lower temperature than was thought possible a few years ago, the plant in question having been planted out among other palms and foliage plants in Horticultural Hall, Fairmount park, Philadelphia, for several years, this structure probably averaging below 60° at night during cold weather. I do not know whether this plant suffered from low temperature during the severe winter just past, but when I last saw it the *Stevensonia* was nicely established and flourishing in company with the large *latanias*, *caryotas*, *phoenixes* and other palms that have been a feature of Horticultural Hall for the past two decades.

The leaves of *Stevensonia* are large, almost entire, but bifid at the tips, dark green in color with orange ribs and stems, and the blade of the leaf is also spotted with small orange spots, the young leaf when just expanding being usually brownish or chocolate-colored. The leaf stems are closely armed with long and slender black spines, a feature that does not appeal to one very strongly in case such a plant becomes infested with scale insects. Young plants of this palm grow best in a shaded house, for the summer at least, and with a night temperature of 68° to 70° and abundant moisture, the best potting material for them being an open compost in which about two parts of rough peat are combined with one of loam and a moderate proportion of old cow dung. The drainage of the pots should be good and the soil should not be rammed too hard, the plant in question probably being found in a wild state in the moist, spongy soil of the lowlands near the coast. Seeds of *Stevensonia* are seldom offered in quantity, and



SUNKEN GARDEN, LIBERAL ARTS BUILDING, MINING PALACE AND U. S. GOVERNMENT BUILDING, AT WORLD'S FAIR

possibly would not find a ready market if they were, for palms of this type are but little sought for commercial purposes, their foliage being too easily injured to endure much decorating work.

Nephrosperma Van Houtteanum is a rare palm of much beauty, and is also a native of the Seychelles, from which islands so many fine tropical foliage plants have originated. This palm was in cultivation in this country prior to 1878 at least, for at that time I had the pleasure of caring for a nice specimen in a 12-inch pot, the plant in question being possibly the only one of the species in the United States at that time, and was included in the fine collection of the late George Such, at South Amboy, New Jersey. *Nephrosperma* is a very graceful palm of the areca type, and in fact was once known as *Areca nobilis*, though differing from the arecas in general in having the leafstalks armed with long spines. The leaves are dark green and divided into a large number of long and narrow pinnae, the entire leaf having a drooping habit.

So far as I have seen there is no inclination on the part of this palm to produce suckers from the base, though such a process is quite possible in the case of a fully matured plant that had attained to seed-bearing, but as the plant holds its foliage well when in health it naturally forms a well furnished specimen. *Neph-*

rosperma Van Houtteanum requires a night temperature of close to 70° and grows well in a similar compost to that suggested for *stevensonia*, it being essential that the soil shall drain readily, although plenty of water is required throughout the growing season, but during the winter there is one combination that should be avoided in the culture of tropical palms, namely, too low a temperature combined with too much water.

W. H. TAPLIN.

World's Fair Notes.

Strawberries have been shown during the past two weeks by Minnesota, Colorado, Canada and Michigan; Missouri, Kansas, Nebraska, Illinois and Indiana have had large exhibits of currants, goose berries and cherries, while Texas and Arkansas have had several tables well filled with peaches, plums and early varieties of apples. The cold-storage apples are holding-up unexpectedly well, as there are many plates now upon the tables which were taken out April 27, including such varieties as McIntosh and Fallawater.

T. V. Munson, of Denison, Texas, has sent specimens of several of his seedlings. Among them are his Headlight grape and the Topsy and Turvy plums. The latter are hybrids between *Abundance* and an American variety.

E. A. Kanst, assistant superintendent of the South Parks, Chicago, has been appointed as one of the jurors in floriculture. His work will be mostly with the bedding and greenhouse plants.

A much needed improvement has been effected by the placing of the names of the buildings in large letters over the principal entrances of the palaces of agriculture and horticulture.

Many of the cacti in the Mexican exhibit at the south end of the palace of agriculture have been in bloom some days.

Wisconsin has installed a miniature cranberry bog and a bed of native ferns in connection with its fruit exhibit.

Schray & Company, of St. Louis, have a large and handsome bed of cannas east of the palace of horticulture.

E. Y. Teas, of Centerville, Ind., has been here for three weeks in charge of the Indiana fruit exhibit.

NORTH EASTON, MASS.—Harry Cole is about to go into the florist business at East Bridgewater, Mass.

MANCHESTER, MASS.—Appleton Brothers, of Manchester, Mass., have purchased the greenhouse property of C. E. Field, East Bridgewater. There are eight houses in the range and the place will be operated along the same lines as by its late owner.



FIELD OF PEONIES AT GILBERT H. WILD'S, SARCOXIE, MO.

THE PEONY.

Dr. Merlam on Peonies.

Dr. Horatio C. Meriam, commenting recently on the lecture "Popularizing the Peony," delivered by George C. Watson before the Massachusetts Horticultural Society, said he was much interested in the subject of the lecture and in its literature. "In America we have none of the historical collections to work from or to compare our work with," he said: "Mr. Terry's work, alluded to by Mr. Watson, is a good illustration of how much work one isolated can do, yet being cut off from exhibitions and comparison, advance but little. So he has named and introduced too many varieties. But few of his introductions are of real value.

"In propagating, a method has recently been published that promises to make peony propagation more easy. This is to place, in the spring, over a plant a frame a foot or fifteen inches high. This frame is of course without top or bottom. Fill with good soil, and allow the plant to grow up through it. In the fall the frame will be found to be filled with roots. These may be divided according to the number of eyes. If this method is reliable one of its advantages will be that valuable plants will not have to be lifted to propagate them. I am to make some experiments this season in propagating, for the field is an open one.

"When shall we get peonies that are true to name, and remain true to color, or retain the perhaps slight variation of shade which distinguished them when introduced? In America the sun is hard and drying. In England it is tempered by cloud, fog and a soft atmosphere. I do not know of a good black flower that is grown in the open in America, a black pansy being always scorched. In England they can grow pansies from cuttings but I have never been able to carry along a good plant here. I learned years since that the pansies that succeeded best were from seeds obtained from the continent with its more open sky, the plants being subjected to less changed conditions of growth.

"I have a large collection of *Iris pallida*. Two years ago it was rainy and dull at their time of flowering, and they were as beautiful as described in the catalogues.

Last season it was hot and dry at the flowering season, and they showed but slight variation, in fact looked nearly all alike. With the beauty brought out by shading we are all familiar, and the English sky does this to a degree, so I do not now wonder that we do not find all the beauty that the catalogues lead us to expect.

"All, I suppose, give extra care to peony plants that have been bought at a high price, and my feeling is that combined with care, extra culture and shade, many new sorts are being introduced in England that will have no advantage in America over the other sorts, if given the same exposure and culture. The continental growers with their inherited collections introduce but few novelties, and are not swelling their lists rapidly.

"We may be in the midst of a peony craze. I commend to the American growers, the conservatism of the continental

growers, and the study of climatic conditions. By far the most valuable work done in America in peonies was that of Mr. Richardson, alluded to by Mr. Watson. When we consider the time of his work, that he did it when there was little general appreciation of the peony, and that he produced a set of them, which at the time was not surpassed by any in the world, it is a surprising thing. Unfortunately they bloom late (not all—there are early vars. also—Ed) and so are not seen at our exhibitions. But the fact that Mr. Richardson was of Boston, that the flowers were first shown at a meeting of the Massachusetts Horticultural Society, seems to point to a holding of a special exhibition of the Richardson peonies as a tribute to the man and in recognition of the work and its plan. Such an exhibition could be called a memorial, and could be used to bring out the peonies raised by him."

Paeonia Lutea.

A plant of this distinct and rare species is at present in flower in the Himalayan house at Kew, where it is planted out in a border, in a light position among other plants, says a correspondent of the *Gardeners' Chronicle* of June 11. It was received as a young plant from the *Jardin des Plantes*, Paris, in 1898 and flowered at Kew for the first time in 1900, when a figure was prepared for the *Botanical Magazine*, t. 7788. This species forms a perennial woody stem, after the style of its near relative *P. Moutan*, but does not attain nearly to the dimensions of that species. The Kew plant, although some seven or eight years old, has only formed a woody stem about eight inches high. The greater part of the annual stems dying back to almost the base, the woody stem elongates but very little each year. Early in the present spring, when growth should have commenced, for some reason or other the buds on the woody stems refused to start, and it was feared that the plant would die; but to our surprise several growths appeared from below the surface of the soil, near the base of the old



HYDRANGEAS IN JAPANESE GARDENS, WORLD'S FAIR, ST. LOUIS, MO.



JAPANESE GARDEN AT THE WORLD'S FAIR ST. LOUIS, MO.

stems, while a few others appeared about two feet away; these have all grown vigorously and are now just coming into bloom. The flowers are usually solitary and terminal, but occasionally the more vigorous shoots produce two and even three blossoms each. The flowers are of bright yellow color, two and one-half inches in diameter, with six to ten petals, and numerous short stamens of the same color as the petals, and in the center of which are three small green carpels. The leaves are ternatisect, of soft texture, a foot or more in length and about the same in breadth, and more or less glaucous both above and below.

For the introduction of this lovely plant into European gardens we are indebted to the Abbe Delavay, who discovered it in the mountains of Yunnan, S. China, in 1882, and who sent seeds home to the Jardin des Plantes. Part of the young stock came into the hands of Lemoine, of Nancy, who worked up a stock and introduced it to commerce. From an account of this plant which appeared recently in an American paper, it is stated to graft readily on the roots of the herbaceous peony. I have not tried this method, but have several times endeavored to work it on to those of *P. Moutan*, but without success. It will no doubt prove to be a useful plant to the hybridist on account of its color, and may be the progenitor of a new race of peonies.

In the note which accompanies the

figure in the Botanical magazine, mention is made of the interesting fact that double and single forms occur in both the wild and cultivated state. The Kew specimen has so far only produced single flowers.

Canadian Horticultural Association.

The seventh annual convention of the Canadian Horticultural Association will be held in Ottawa, Ont., Tuesday, Wednesday and Thursday, August 9, 10 and 11. The sessions and trade exhibits will be held in Goldsmith's hall. Exhibits must be staged before 11 a. m., August 9, when judging will begin. Communications in regard to exhibits should be addressed to E. I. Mepstead, 199 Sparks street, Ottawa. Tuesday afternoon and evening and Wednesday morning will be devoted to business meetings. Wednesday afternoon a visit to the experimental farm will be made. Wednesday evening the business of the convention will be closed and officers elected. Thursday there will be an all day session with the Ottawa Florists' Club, when all interesting places in and around the city will be visited. The secretary of the Canadian Horticultural Association is A. H. Ewing, Woodstock, Ont.

Papers to be read during the meetings are: "Hardy Perennials Suitable for Florists," by Prof. W. T. Macoun of the experimental farm, illustrated by a large collection; "What Is the Best Fuel for

Greenhouses?" discussion opened by C. Scrim; "Florists' Trade From a Retail Standpoint," by A. C. Wilshire, Montreal; "Holiday Plants," by William Gammage, London, Ont.; "What Is the Best Way to Grow Violets," discussion opened by William Fendley; "What Advantage Has Iron Construction in Greenhouses Over the Old Wooden Construction," question box for Wednesday morning.

New England Notes.

LONG MEADOW, MASS.—Linwood Morgan is in bankruptcy. Liabilities \$2008; assets \$210.

STOUGHTON, MASS.—Robert Hutcheon decorated the hall handsomely with palms and flowers on the occasion of the dedication of the new public library on June 30.

NORTH ADAMS, MASS.—M. F. Coleman, who has been in business for twenty-eight years, has sold his home and three greenhouses to Thomas Quadland and will engage in the same business in some other town. He has not yet decided on a location.

NORTHAMPTON, MASS.—Edward J. Canning, of the Botanical Gardens, Smith's College, sailed on the S. S. *Ivernia*, July 5 with his wife and family for a two months' trip to England to visit his mother and friends. He expects to visit Kew, Chatsworth and many other places abroad.

The New Geranium Telegraph.

The new geranium Telegraph, illustrated herewith, originated with Thomas De Voy & Son, Poughkeepsie, N. Y., 1900, and is the result of crossing the varieties Mrs. E. G. Hill and The Wonder. It is said to be a strong, free grower, the leaves dark green with a heavy zone. The flowers are very large, single and of a rich, deep orange cerise color. With the originators it has proved to be an excellent bedder and useful alike for conservatory and window decoration. It was awarded a certificate of merit by the Dutchess County Horticultural Society, November, 1903, and a similar honor by the New York Florists' Club, April, 1904. Messrs. De Voy & Son state that it will be distributed the coming fall.

Newport Horticultural Society.

ROSE AND STRAWBERRY SHOW.

Although, on account of the lateness of the season, the June exhibition of the Newport Horticultural Society was held June 29 and 30 instead of June 21 and 22, as previously announced, the show was a great success. The roses were the main feature and were of splendid quality. The displays of cut roses arranged for effect in a space not exceeding 3.6 feet were grand. All exhibits in this class deserve much credit. The first prize went to Arthur Griffin, gardener to E. T. Gerry; second to Colin Robertson, gardener to Mrs. Robert Golet; and third to John Marshall, gardener to Perry Belmont.

The first prize for fancy basket of roses was awarded to Arthur Griffin for Ulrich Brunners.

The best twenty-five blooms of American Beauty were John Marshall's.

For six H. P. varieties John Marshall won first and James Robertson, gardener to Mrs. T. O. Richardson, second, Marshall showing John Hopper, Fisher Holmes, Ulrich Brunner, Mrs. John Laing, Baroness Rothschild and Mrs. R. G. Sharman Crawford; and Robertson showing Alfred Calomb, Ulrich Brunner, Mrs. John Laing, Thomas Wood, Monsieur Boncenne and Mlle. Suzanne Marie Rodocanachi.

James Robertson with Ulrich Brunner, Colin Robertson with General Jacqueminot, and John Marshall with Ulrich Brunner were the winners in order for hardy red roses.

In hardy pink roses James Robertson was first with Mrs. R. G. Sharman Crawford; Arthur Griffin second with Mrs. John Laing, and Colin Robertson third with Madame Gabriel Luizet.

In the class for H. P. white only one prize was awarded, a first to James Robertson for Margaret Dickson.

For best vase twenty-five H. P. of any color James Robertson took first, John Marshall second and Colin Robertson third.

A very pretty class was for ladies' corsage bouquets, open to gardeners' assistants only; taken by Samuel Williams with gardenias. Mr. Williams is at Perry Belmont's.

Arthur Griffin exhibited a beautiful vase of assorted irises and was awarded first prize.

There were no peonies in the show, they having gone past their bloom here. A well grown collection of hardy herbaceous blooms, all correctly named, was staged by Alexander Anderson, gardener to Mrs. T. J. Emery. Among these were very fine specimens of *Coreopsis lanceolata*, *Gaillardias*, *campanulas* and *delphiniums*. Mr. Anderson was awarded first prize in this class. Gardenias were very fine this year, John Marshall and Arthur Griffin taking the prizes. There were no glorioxias exhibited.

William S. Nichol, gardener to Dr. Alexander S. Clarke, and James Robertson won first and second respectively for Rex begonias.

The prizes for crotons went to Colin Robertson and David McIntosh, gardener to Mrs. C. M. Bell.

In dracaenas, Arthur Griffin was first and David McIntosh second.

For fern dish, not to exceed twelve inches in diameter, the prizes were given to Arthur Griffin, James Robertson and David McIntosh.

For basket of foliage plants, not to exceed sixteen inches, Arthur Griffin and Colin Robertson were the prize winners.

The prizes for specimen kentias went to Arthur Griffin, Colin Robertson and David McIntosh.

For specimen arecas Colin Robertson was first and David McIntosh second.

For pair of *Pandanus Veitchii* Arthur Griffin and Colin Robertson were first and second.

For specimen *nephrolepis* third prize went to Arthur Griffin.

The F. R. Pierson Company, Tarrytown, N. Y., showed its improved Pierson fern, which was awarded the silver medal of our society. It would be a hard task to describe its elegance.

Arthur Griffin received a certificate of merit for a beautiful collection of plants of the new Scottish fern. It is very compact and symmetrical, and our gardeners liked it very much.

James Robertson was awarded a certificate of merit for a seedling dracaena. The plant was much admired.

Colin Robertson, for a very beautiful vase of digitalis was awarded a gratuity of \$5.

A silver medal was awarded to Miss E. J. Clark, of Pomfret Center, Conn., for a group of black and white grapes and peaches; a certificate of merit was also awarded Miss Clark for the new black grape, Diamond Jubilee; John Ash is Miss Clark's gardener.

A special gratuity of \$6 was awarded to Samuel Williams for a basket of American Beauty roses. A bronze medal was awarded to David McIntosh for a choice collection of seedling dracaenas.

Fifty beautiful plants of the new rose, Madame Norbert Levavasseur, were exhibited by Arthur Griffin and received a silver medal.

A fine group of rubber plants shown by William S. Nichol received a special gratuity of \$8.

The Blue Hill Nursery Company, of South Braintree, Mass., was awarded a special gratuity of \$6 for a collection of hardy herbaceous perennials.

Lager & Hurrell, of Summit, N. J., made a very fine display of orchids, among which were noted some choice types of *Cattleya gigas*, *Laelia Digbyana*, *Vanda tores* and *Dendrobium Bensoniae*. A special gratuity of \$10 was awarded them.

George Melvin, gardener to Col. Charles Pfaff, of South Framingham, Mass., was awarded honorable mention for *Brassia verrucosa*.

Honorable mention and a gratuity of \$3 were given to David McIntosh for a new hardy yellow



New Geranium Telegraph in 4-inch Pot.

antirrhinum, Annie McIntosh; a seedling of his. It is a grand thing.

Arthur Griffin received a certificate of merit for *Dracaena Godseffiana*.

M. H. Walsh, of Woods Holl, Mass., exhibited a beautiful collection of climbing roses, including Wedding Bells, a seedling from the Crimson Rambler, which opens a bright pink then fades to white. Debutante and Carrissima, seedlings of the Wichuraiana type, were both very beautiful climbers, the first a rose-pink and the latter a dark pink. Both fade to white.

Miss S. B. Fay, of Woods Holl, Mass., was awarded a certificate of merit for the new hybrid tea rose Mildred Grant. It is not easy to describe the loveliness of this new flower. Carl Jurgens pronounced it grand. It is a flesh-pink, the outer petals as it opens growing lighter, a very strong grower with heavy stems and handsome foliage. M. H. Walsh, who has charge of Miss Fay's estate, speaks very highly of this introduction of Alexander Dickson & Sons, Belfast, Ireland.

Hugh Williamson, gardener to W. W. Astor, staged for exhibition a collection of hardy roses that would be hard to improve. They were greatly admired.

The regular prizes for Black Hamburg grapes went to Alexander Anderson, James McLeish and John Marshall.

For the best twelve tomatoes Alexander Anderson was first with Sutton's Best of All and John Marshall's Stirling Castle were second.

First for two Telegraph cucumbers went to Alexander Anderson.

The prizes for collections of vegetables were very closely contested, and all the entries deserve much credit. First went to Alexander Anderson and Samuel Speers, gardener to Mrs. W. B. Greene, secured second.

Besides first prize for collection of strawberries, Arthur Griffin was awarded honorable mention. Colin Robertson took second and first for both Gandy and Brandywine. A special prize of \$3

was awarded Samuel Speers for a very fine dish of Burbach No. 5.

The judges of the exhibition were: William N. Craig, gardener to Miss Minnie Ames, North Easton, Mass.; Fred C. Green, gardener to Senator Aldrich, of Warwick Neck, R. I., and M. H. Walsh, of Woods Holl, Mass. The society feels much pleased with its sixth annual exhibition, as it certainly was a great success. X.

British Trade Topics.

Good progress is being made with the erection of the new hall and offices of the Royal Horticultural Society at Westminster, towards the cost of which many leading members of the trade have liberally contributed. The spacious hall is to be used for the first show on Tuesday, July 26. The society has arranged to provide a scientific research station in connection with the new gardens at Wisley, which have been presented by Sir Thomas Hanbury. This, the centenary year of the society, will be a memorable one.

The society's show on Tuesday was well supported by the leading members of the trade. Roses were a special feature. In this section Benjamin R. Cant & Sons, of Colchester, who have a big connection among rosarians in the United States, made an admirable display. Their new climbing rose, Blush Rambler, is meeting with considerable favor, and has obtained several awards from the leading societies. F. Cant & Company, another Colchester firm, also distinguished themselves by their meritorious display of roses in which prominence was given to some fine specimens of Lady Roberts, of a rich apricot tint, a popular sport from Anna Oliver.

Veitch & Sons, of Chelsea, had a superb collection of orchids, besides staging a brilliant array of glorioxias and aqilegias. This firm is introducing several novelties this season. Among these are *Aconitum Wilsoni*, an imposing, erect-habited species, five to six feet, with large, pale blue or violet flowers produced in late summer; *Actinidia Chinensis*, an ornamental deciduous climbing shrub; *Buddleia albidora*, with pale mauve blooms; *Astilbe Davidii*, suitable for waterside planting, with mauve tinted blooms; *Eupatorium vernale* and *Rehmannia angulata*, herbaceous perennials.

The present season has been very favorable for roses, in strong contrast to the failures of 1903. A grand collection of this popular subject is expected at the summer exhibition of the National Rose Society in the Temple Gardens in July. This society has a membership of 1,000, with Dean Hole as president. A new departure is to be made this year in holding an exhibition in the autumn in the new hall of the Royal Horticultural Society.

A pamphlet has been sent out from the Horticultural Club in London, dealing with "Rose Growing Near Large Towns," this being the subject of a lecture given by H. E. Molyneux, a well known authority. Mr. Molyneux's method is described as follows: "In my own garden I am troubled with the soot and dirty deposits of the atmosphere, and I am sure it is a mistake to allow these to accumulate, especially in the growing season of the year; so every morning I go around my rose trees with a sprayer and thoroughly spray the tops of every tree. Two pailfuls of water are sufficient for 250, so it is not so long a job or so tiresome as many might suppose. If once or twice a week in May some insecticide is added to the water, even before greenfly appears, one is not likely to be troubled with it."



NEW HYBRID TEA ROSE MILDRED GRANT.

(Exhibited at the rose and strawberry show, Newport, R. I., June 29-30.

S. Mortimer, of the Rowledge Nurseries, Farnham, Surrey, has lately exhibited a new cucumber named Aristocrat, which is the result of a cross between Unique and Sensation, and it has received an award of merit from the Royal Horticultural Society. Purley Park Hero was the first seedling variety of cucumber he raised, and more than twenty years ago this received a first-class certificate from the R. H. S. Since then he has raised about a dozen varieties, including Express, Marvel, Matchless, Progress, Sensation, and The Keeper. All the cucumbers are pedigree varieties worked down from an original strain. Mr. Mortimer also raised the successful tomato, Winter Beauty.

J. Hill & Sons, of the Barrowfield Nursery, Lower Edmonton, London, have brought out a new fern, *Pteris Binoti*, which has received an award of merit from the R. H. S. This resembles *Dryopteris palmata* although of more vigorous growth, with thick fronds which are irregularly divided, some of the segments being forked. The Messrs. Hill occupy a leading position as fern raisers. Their nursery, comprising forty-five houses, is stocked with millions of plants in all stages of growth. As an indication of their trade it may be mentioned that in one year the number of small ferns sold exceeded 350,000. They have a large export trade in tree ferns, quantities being sent to America and Canada. Thousands of *Alsophila*s and *Dicksonia Antarctica* are in stock. About a hundred varieties of *Adiantum*s are cultivated, the rarest being *Hendersoni*. *Asplenium*s are grown on an extensive scale for the trade.

The Federation of Grocers' Associations recently discussed at a meeting in London the question of fruit grading and packing. A resolution was passed expressing the opinion that the movement in America in favor of the packing of apples in boxes of a reasonable capacity instead of barrels is deserving the strongest support at the hands of all retail dealers in this country. A copy of the resolution is to be sent to the American fruit associations.

New York.

The market appears to be under the control of the buyers rather than the sellers. It is many a long day since similar conditions existed. Much more stock is coming in than can be taken care of, and yet in comparison with the same period of other years the influx appears to be no greater. The demand is "away off," a circumstance for which no one ventures an explanation, and the tone of the market is in consequence very low. The wholesale establishments are practically dead after 10 o'clock in the morning, such real business as is done being concluded by that time, and the after business coming almost entirely from the bargain hunter who is much in evidence just now. Roses, while plentiful, are very poor in quality and unattractive. Choice stock, such as can be found, is quickly cleaned out but the general run is hard to

move. American Beauties are in plentiful, but really choice stock continues scarce. Sweet peas are abundant, but are short stemmed and do not bring good prices. On Tuesday prime stock sold as low as 50 cents per hundred bunches. Lily of the valley is in good supply and fair in quality. Nice stock, however, does not command a profitable price, much of it going off at \$1. Carnations are somewhat of a drug, and the bulk of the stock exceedingly poor. One wholesaler last week threw out nearly five thousand which went to sleep in the ice box in one night. There is some nice white *houvardia* coming in which brings 20 cents to 25 cents per bunch. The offerings of *gladioli* are increasing and are firm at quoted prices. Lilies show a little improvement in quality and are bringing better prices, prime stock commanding \$4.

N. Lecakes & Company have succeeded to the business of Geo. E. Bradshaw, wholesale florist, at 53 West Twenty-eighth street, and will continue it in their own name. They will move from their present address, 45 West Twenty-ninth street to the Twenty-eighth street address and conduct all their business from there.

Wm. Amos, Sr., has retired from the firm of Wm. Amos & Son, Woodside, L. I., after thirty-five years spent in the business as a grower. The business will in future be conducted by his son under the style of Wm. Amos, Jr. Mr. Amos, Sr., is the president of the New York Cut Flower Exchange.

Joseph Grulich, of 113 Hudson street, Hoboken, N. J., sails July 19 for Europe on the Slavonic and will be gone four months. He will spend much of this time on a visit to his old Hungarian home. His son will manage his business during his absence.

Geo. Ripperger, 207 Academy street, Long Island City, manufacturer of sheep manure for florists, is moving his plant to Buffalo, N. Y., which location he finds more convenient for both his supply of raw material and distribution of stock.

G. F. Lauferberger, formerly of the Bronx, after spending a year and a half in Europe, has returned to open a store at Fifth avenue and Union street, Brooklyn.



ROSE AND STRAWBERRY SHOW AT NEWPORT, R. I., JUNE 29-30.

The sixth annual outing of the employes of George M. Stumpp, 761 Fifth avenue, took place Wednesday, July 6. A number of the wholesale dealers and their assistants were on hand to share the enjoyment.

The Brooklyn Horticultural Society has distributed its cash balance pro rata among its members, paying a dividend of twelve and one-half per cent.

George Middleton, superintendent of the William Rockefeller estate at Tarrytown, sailed for Europe on the steamship Baltic, July 13.

At a special meeting of the directors of the New York Cut Flower Exchange last Saturday Philip J. Kessler was appointed general manager.

Alex. J. Guttman will depart in a few days for Lake Huntingdon, Sutherland county, this state, where he will put in a vacation.

Israel Eisenberg, of Astoria, L. I., has the contract for supplying flowers to the principal hotels at Far Rockaway, L. I.

George Saltford is preparing to leave before the end of the month on a cruise among the Thousand Islands.

George Kogge, of Hoboken, and his family are summering at their cottage at Sheepshead Bay, L. I.

Nicholas Schriner, of J. K. Allen's establishment has just returned from his honeymoon trip.

Much complaint is heard in regard to collections, which are slower than for some time past.

A. H. Langjahr is receiving some large lots of choice gladioli, mostly white, and inside grown.

Julius Lang is dividing his time between a near-by summer resort and his place of business.

Gustave C. C. Schrader, of Elmhurst, L. I., has found it necessary to install a telephone.

Louis Schmutz, of Flatbush, is away on a fishing trip at Huguenot, Staten Island.

The vacation season is on in earnest, and long planned trips are materializing.

John Krawl, of Moore, Hentz & Nash is suffering from a badly sprained ankle.

D. Y. Mellis, of Flatbush, with family, is spending a few weeks at Lake George.

Ernest Berger, of Yonkers, N. Y., is on a two weeks' vacation at St. Louis.

Chas. Carlin, of Thorley's, is enjoying his usual two months' vacation.

Joseph McManus handled a fine lot of Cattleya Dowiana last week.

Chas. Schenck is enjoying a well earned two weeks' vacation.

Chas. Smith, of Woodside, L. I., is on the sick list.

Visitor: Ernst A. Lundberg, Irvington-on Hudson, N. Y.

Chicago.

The general tone of the market was slightly better than that of the last two weeks, both in the somewhat improved quality of stock, carnations especially, and a fairly active demand. Shipping holds up to normal summer standards and could be much improved if the most sought for stock were more easily available. Carnations have been decidedly off and but few fancies or even first class ordinaries are seen. Roses are holding to good quality as well as is expected in this weather. Kaiserin is exceptionally scarce and the few growers of this rose are sorely beset with a ravenous demand. There are yet a few peonies to be seen, but they have passed their day.

William H. Chadwick has sent us some exceptionally fine blooms from his orchid collection, including *Sobralia macrantha*, *Vanda teres* and *Thunia alba*. The flower-bearing *sobralia* stems are four feet high and judging from the specimens received, Mr. Chadwick's strain of *thunias* is an exceptionally fine one.

Local florists this week were apprised of the sudden death of C. H. Hammarly, of Lake Geneva, Wis., well known to the trade. His death occurred July 2 at a time when he was apparently in the best of health. Heart disease is assigned as the cause of his sudden taking away.

James Cumming, formerly with the Stoke-Pogis Nursery Company at Philadelphia, Pa., stopped in this city Saturday enroute from St. Louis, where he has been engaged since February as a foreman in the landscape department at the World's Fair.

The entire business of the Brant & Noe Floral Company, in the Flower Growers' Market, has been leased by the first named partner, D. Wood Brant, and the business will be conducted along the same lines as heretofore. Mr. Noe is in the east.

At the Fuchs sale, July 14, there was a good attendance and the prices realized on the stock were fair. Late in the afternoon it looked as if everything would be sold out.

L. H. Winterson and wife returned this week from their honeymoon trip. They have taken up their residence at 1036 Otto street, near Southport avenue, Lake View.

Miss Edith White, bookkeeper at Frank Garland's, left this week for her home at Lake Charles, La., where she will spend the summer months.

Phil Hauswirth and Chas. Kochman, with their wives and a party of friends, spent a short vacation at The Dells, Wis., returning July 12.

Poehlmann Brothers Company is cutting good winter grown American Beauty, as choice as there are to be had.

C. L. Washburn is spending his vacation in northern Wisconsin. He left Monday of this week.

Sinner Brothers' Lawson carnations are holding consistently to form and color.

Bentley-Coatsworth Company is in with a fine lot of Bride and Bridesmaid roses.

E. C. Amling and family have returned from a pleasant trip to Lake Marie.

N. J. Wietor is spending several weeks in northern Wisconsin, fishing.

John Dadie is the new superintendent of the West parks.

Visitors: George Vatter and son Frank, of Marinette, Wis., on their way to Europe, where the latter intends pursuing a two years' college course in horticulture; P. Larson, Fort Dodge, Ia.

BRANDON, MANITOBA.—The June flower show here was held in the council chamber and was a great success. One hundred and five bouquets were upon exhibition and twenty-six wreaths and crosses. Excellent skill and artistic taste was displayed by the exhibitors in the composition and arrangement of their exhibits.

STERLING, ILL.—Robert Lundstrom, successor to F. A. Belt and proprietor of the Sterling Floral Company, is making some extensive changes and repairs at the greenhouses. One new house will be built, 22x85 feet. A partition will be built in one of the other houses and one part will be used for roses and the other part for carnations.

Philadelphia.

The usual summer quiet prevails. Business is down to the lowest ebb and vacations and general store and stock repairs are in order. In many places the smell of fresh paint is prevalent, coming from rejuvenated pot covers and plant stands which have undergone their annual paint bath. Asters are now appearing and will add nicely to the assortment. They are not much as yet for quality, but in a week or ten days they will be in good shape. Kaiserin, imported American Beauty and Carnot are about the only roses worth mentioning. Leo Neissen is getting fine Beauty and Carnot from Newport. They are almost equal to the winter stock. At the Flower Market achillea, iris and other outdoor stock are the best of the home grown Roses are plentiful. Business is good for the season. Manager Meehan says they have prospects of several additional stall holders to begin the fall season.

Fred Ehret is getting some fine Kaiserin roses from Faust, of Merion. The same grower is also sending in *Adiantum Croweanum* in quantity. His stock of this famous fern is looking fine, and a new house is in course of construction to be planted for next winter's cutting.

W. C. Smith, of Sixtieth and Market streets, is running one of his houses out to Market street, where the end is to be finished as a store front. This is a bid for the retail trade, which is increasing rapidly in his neighborhood. Two houses of rubber plants are kept constantly massed up. Mr. Smith says he finds a steady demand for the young stock.

A. B. Cartledge, of Pennock Brothers, had most of the employes of the store on a trip up the Delaware on his new yacht July 10. The boat is a beauty and all hands enjoyed the voyage and the lunch on the island immensely.

Ralph Shrigley, of Pennock's, is off to the shore on his vacation. K.

NOTES.

Jacob Becker, Fifty-second and Market streets, is building a store in front of his greenhouses to accommodate the retail trade in that growing section. William C. Smith, Sixtieth and Market streets, is doing likewise. The remarkable development of this district is an assurance of the success of such enterprise.

Robert Craig & Son are doubling their production of crotons for the holiday trade. For the past two years the firm has given a good deal of attention to the demand for these plants.

Dumont & Company, Thirteenth and Filbert streets, are fitting up a house at their Secane place, 50x150 feet, as a mushroom house, with six tiers of beds.

Dracæna terminalis should be plentiful and good next Christmas. Several of the best growers have large quantities.

Some of the best growers of Liberty roses in Philadelphia claim that dried blood is their best fertilizer.

Cyclamens, judging from present appearances, will be in good supply for the holiday season.

Wm. K. Harris reports a satisfactory influx of orders for the new *Primula Buttercup*.

An increased quantity of poinsettias will also be in evidence for the holiday trade.

A visitor this week was James T. Scott, of the F. R. Pierson Company, Tarrytown, N. Y.

Boston.

Business is decidedly off with florists, nurserymen, seedsmen and all others except the newspaper man, who must dig up some business once a week whether it comes or not. Stock is in sympathy with the prevailing July conditions and none of it is such as to excite any particular spasm of pride in the grower thereof. Neither is the amount of cash received in exchange for it such as to develop any appreciable bulge in his pocket-book. Some of the boys are away on their summer outing, enjoying sea breezes or mountain scenery or munching the juicy raspberry or crunching the attentive mosquito. Those that stay at home are sufficiently numerous to attend to all the calls that materialize for funerals or other occasions that are never out of season, winter or summer. American Beauty is seen in all grades of good and indifferent, mainly the latter, quality. Queen of Edgely lags behind it at present in the estimation of the buyer. Bride and Bridesmaid are as bad as can be, size, shape and color being very low in the scale. Carnot and Kaiserin are the best roses seen at the present time. Carnations are down to smallest size, excepting only the Lawson and Lillian Pond, both of which are still seen in fair-sized flowers. Lily of the valley, which during the month of weddings enjoyed a good run, is now down to low ebb, there being but small sale for it. Altogether there is very little encouragement in any line.

The first of the weekly exhibitions at Horticultural Hall on Saturday, July 9, was a splendid success, the hall being gorgeous with Japan irises, delphiniums, campanulas and resplendent collections of hardy herbaceous bloom. Honorable mention was given J. E. Rothwell for the seedling cypripedium, Mrs. J. E. Rothwell (*C. album* × *C. niveum*), and *C. × Burbidgeanum* (*C. Dayanum* × *C. concolor*), and to the F. L. Ames estate for Scarlet Gem sweet peas. M. H. Walsh made a fine display of Rambler roses. Peter Cairns showed roses and irises. The Harvard Botanic Garden, Blue Hill Nursery and Carl Blomberg showed hardy herbaceous material. R. & J. Farquhar exhibited the Farquhar rose and irises. The F. L. Ames estate showed sweet peas. L. H. Atkins, Mrs. E. M. Gill, Geo. Hollis and others exhibited miscellaneous flowers. The prizes were won as follows: Miss S. B. Fay, roses; Wm. Whitman and Mrs. J. L. Gardner first and second for Japan iris; Wm. Whitman for campanulas; Mrs. Winthrop Chandler, Wm. Whitman and Mrs. J. L. Gardner, first, second and third respectively for delphiniums and Walter Hunnewell, W. J. Clemson and Bay State Nurseries first, second and third for hardy herbaceous stock and grasses. Mrs. J. Montgomery Sears won a first-class certificate for superior cultivation of nectarines.

Whole stretches of wild roses have had to be cut down in the parkways because of a disfiguring fungous growth which is particularly active this year. Mr. Pettigrew attributes the trouble in part to the two preceding dry summers and the recent hard winter. *Rosa lucida* is especially affected. *R. blanda* is not so severely attacked.

W. A. Manda is spending a few days in this neighborhood looking after business and incidentally renewing acquaintance with old friends and old scenes familiar to him years ago, before he left us to become a Jerseyman.

George A. Sutherland has been declared bankrupt in the U. S. District court and

a meeting of creditors is appointed for July 19, 10 a. m., at Room 121, Post Office building, Boston.

Jackson Dawson has been quite sick and an operation was performed on his head, the trouble being a legacy from the assault made on him by a highwayman a few years ago.

A. Leuthy sailed on the Kroonland for Antwerp last Saturday.

Baltimore.

No exceptional features have interrupted the week's unvarying dullness of trade. Except for funeral work there is practically no business. Of course the stores must have some stock, but much of it wastes. Inside carnations are about over, and the temperature has been too high for good roses. Cochetts from outside begin to be abundant, but there are few carnations.

A curious instance of systematic pillage of growing palms deserves mention. A professor of distinction and reputation in one of our great institutions, who has a handsome suburban place imported some years ago a dozen and a half rhododendrons which were planted on his grounds. They became established, flourished and flowered, making a good growth, but each spring some marauder has skilfully stolen one or two of the plants. The programme is unvarying. A wagon is driven near the place, a trench is dug around the plant, evidently by two men, and it is lifted with skill which shows familiarity with the process. Of course the professor is never at hand at the right moment, and though he has cartridges loaded with double charges, his group of rhododendrons is nearly gone, and he has no idea as to the depredator nor of the disposition made of his booty.

M. B. Taylor, representing the H. E. Newbury Company, of Magnolia, N. C., was a recent visitor to this city. His firm does a great business in growing bulbs, notably caladiums and tuberose, and it is responsible for the heavy shipments of gladioli which made their appearance in northern and western cities in May and June. They had about 90,000 in the field, planted without protection about February 1. A very large proportion was left on the ground. Although the finest varieties were used the markets offered no adequate outlet, the heavy charges of the express companies as usual taking the edge off of the profits. Mr. Taylor thinks their example will not be followed by other growers, and his concern will hardly go so largely into this specialty again.

Apathy prevails regarding the St. Louis meeting of the Society of American Florists. Up to date Frederick C. Bauer, who is putting his house in order to attend, is the only member of the trade announcing such an intention. An effort is being made to interest the Gardeners' Club in an excursion jointly for Baltimore and Washington people, to take in the week of the meeting, with numerous advantages as to rates, accommodations, etc.

There has been an entire week of torrid and sweltering weather, with daily electrical disturbances of great violence. There have been heavy downpours of rain without much reducing the temperature. Twice there was considerable hail, but no damage is reported.

J. E. Bartell, of Radnor avenue, is building two violet houses, intending this year to make a specialty by the production of the Farquhar. S. B.

New Bedford, Mass.

The usual summer quietness is now with us. There is still a little call for plants, mostly from summer residents on the sea shore. Good scarlet geraniums and vincas are sold out completely. There has been considerable funeral work lately. At the funeral of Chief Macy of the fire department there were a great number of designs. One caused a decided sensation. It was a full-sized fireman made of flowers and immortelles sent by the New Bedford fire department. Such designs make people disgusted. The notice "Please Omit Flowers" is becoming quite common.

We are having very comfortable summer weather with plenty of showers, and all vegetation is growing very nicely. We had one hard hailstorm in June that just reached the northern edge of the city, but did not touch any of the greenhouses. There will be no greenhouse building here this summer. Labor and material are so high and business so dull it is better to wait awhile.

A. B. H.

JACKSONVILLE, ILL.—Joseph Heintl & Sons have incorporated with a capital of \$20,000 for an agricultural, horticultural and floricultural business. Joseph Heintl, Harry Heintl and William Heintl are the firm members.

OBITUARY.

Edward Butler.

Edward Butler, gardener at Wellesley College, died at the Massachusetts General Hospital on June 25, aged 51 years. Mr. Butler was born on Branksea Island, his father being gardener for the celebrated Col. Waugh, who owned the island and bankrupted himself in beautifying it. The senior Mr. Butler was afterwards gardener at Apley Castle, in Shropshire, for a short time, then went into business as nurseryman and florist in 1861 in Wellington Salop. Young Edward was sent as an apprentice to Crewe Hall, Cheshire, where he served four years, and then worked for his father until 1871, when he came to America. Here he was employed for one year on the estate of ex-Governor Claflin at Newtonville, Mass., and then took the position as gardener for H. F. Durant at Wellesley. When Mr. Durant founded Wellesley College, turning over his beautiful estate for that purpose, Mr. Butler remained in charge and had held the position ever since. Being somewhat of a botanist he was very helpful to the college in that branch of study. He was a thorough gardener and his high abilities as a plant grower were frequently displayed at the exhibitions of the Massachusetts Horticultural Society, in whose annals his name repeatedly appears as winning high honors. He was a genial, good-hearted man, a thorough gentleman, of quiet manner, and held in the highest esteem by his fellow-gardeners. He leaves a widow and five children. His father and mother are still living, each being 86 years old. His father retired from business ten years ago. W. W. Edgar, of Waverly, Mass., who had worked for the old gentleman in 1861, called to see the aged couple when visiting England two years ago and found them enjoying excellent health, considering their advanced age. See portrait page 982.

THE AMERICAN FLORIST

NINETEENTH 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, Apace; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive inser-
tions, as follows—8 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The Advertising Department of the AMERICAN
FLORIST is for florists, seedsmen and nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-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.

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

KEROSENE emulsion will check the black
fly which is a troublesome pest on the
pond lilies in many places.

In the advertisement of Mrs. Francisco,
issue of July 2, page 940, violet cuttings
was intended instead of carnation cut-
tings.

THE Canadian duty on greenhouse
glass manufactured in the United States,
heretofore twenty per cent, has been
reduced to fifteen per cent.

SEVERAL of the European horticultural
publications have recently issued colored
plates of *Gladolus princeps*, the new
American form which is attracting
universal attention.

Suit Caused by Brick Dust.

F. A. Conway & Company, of Indian-
apolis, Ind., have brought suit against
Cook & Schmidt, brick manufacturers, in
Justice Smock's court for damages they
claim has been done to their stock by
dust from the bricks. The smoke, it is
claimed, causes the plants to wither and
die. Conway & Company ask for \$50
damages.

Purchasers' Risk.

ED. AM. FLORIST:—Please advise me
whether it is not a general rule that
trade dealers guarantee the safe delivery
of stock purchased. BUYER.

[It is the custom of the trade, as we
understand it, for perishable plants to
travel at purchasers' risk, particularly
by freight. By express some dealers
guarantee safe arrival.—ED.]

For World's Fair Visitors.

From the city take the Market street
electric cars for the entrance nearest to
the Horticulture building. The Union
railroad station is located on Market
and Eighteenth streets.

Get off at station 10 on the intramural
railroad for the Horticulture building.
Other reasonably convenient stations are
7, 8, and 9.

Prof. L. R. Tait, who has charge of the
judging in the horticultural classes, is
now at his office in the Horticulture
building.

Chief F. W. Taylor's office is at the
south end of the Agriculture building, the
end nearest the Horticulture building.

Superintendent Hadkinson's office is in
the Horticulture building.

New York to St. Louis.

Following are the arrangements for
transportation to the S. A. F. convention

at St. Louis, as announced by Chairman
Patrick O'Mara of the transportation
committee. The route is by the Balti-
more & Ohio R. R., with stop-overs at
Philadelphia, Washington and Cinci-
nati. The rates are, season excursion
ticket \$34; sixty day excursion \$28.35;
fifteen day excursion \$23.25; Pullman
rate \$6 each way. Mr. O'Mara urges
that reservations be given the committee
at the earliest possible moment—he
emphasizes this—and states that on
request the committee will endeavor to
secure hotel accommodations also.
Refreshments for the special train have
not been forgotten.

Coming Exhibitions.

[Secretaries are requested to supply any omis-
sions from this list.]

BOSTON, MASS., November 3-6, 1904.—Chrysan-
themum exhibition Massachusetts Horticultural
Society. W. P. Rich, Sec'y, Horticultural Hall,
300 Massachusetts avenue, Boston, Mass.

BOSTON, MASS., November 3-6, 1904.—Annual
exhibition Chrysanthemum Society of America.
Fred. H. Lemon, Sec'y, Richmond, Ind.

CHICAGO, November —, 1904.—Annual exhibi-
tion Horticultural Society of Chicago. E. A.
Kanst, Asst. Sec'y, 5700 Cottage Grove Avenue,
Chicago.

DOBBS FERRY, N. Y., November 11-12, 1904.—
Fourth annual flower show Dobbs Ferry Gard-
eners' Association. Henry Kastberg, Sec'y, Dobbs
Ferry, N. Y.

JOLIET, ILL., November —, 1904.—Annual exhibi-
tion Joliet Improvement Association. James
H. Ferriss, Sec'y, Joliet, Ill.

MONTREAL, QUE., November 9-10, 1904.—Fif-
teenth annual chrysanthemum show of Montreal
Gardeners' and Florists' Club. W. H. Harobin,
Sec'y., 25 Closse street, Montreal.

NEW YORK, N. Y., November 10-17, 1904.—
Annual exhibition American Institute of the
City of New York. Dr. Robert Taylor, Mgr.,
19-21 West Forty-fourth street, New York.

PHILADELPHIA, PA., November 8-12, 1904.—
Annual exhibition Pennsylvania Horticultural
Society. David Rust, Sec'y, Horticultural Hall,
Broad street, below Locust, Philadelphia.

PROVIDENCE, R. I., November 16, 1904.—Chrysan-
themum and carnation exhibition Rhode
Island Horticultural Society. C. W. Smith,
Sec'y, 27-29 Exchange street, Providence.

RED BANK, N. J., November 1-2, 1904.—Seventh
annual exhibition Monmouth Horticultural Soci-
ety. H. A. Kettel, Sec'y, Fairhaven, N. J.

TORONTO, ONT., November 8-12, 1904.—Chrysan-
themum exhibition Toronto Gardeners' and Flo-
rists' Association. E. F. Collins, Sec'y, Toronto.

Society of American Florists.

THE ST. LOUIS CONVENTION.

To Members and the Trade:

The time of our convention is close at
hand and the busy season about at an
end.

I want to remind you of the duty you
owe to the society. It is important that
the membership be increased, and to that
end we urge your support.

Every member should get at least one
new member, and as many more as he
can. Especially do I call attention to
the state vice-presidents.

We want to make this meeting at St.
Louis a success. It should be the most
successful in the history of the society.

Do not miss the opportunity to meet
old friends and make new ones—men you
have heard about but never met.

The secretary will accept your applica-
tion now, so send it in at once.

Let us all meet at St. Louis in August.

PHILIP BREITMEYER, Pres.

PRELIMINARY CONVENTION PROGRAMME.

The preliminary programme of the
nineteenth annual meeting and exhibition
to be held at the Exposition building, St.
Louis, Mo., August 16-19, has been
issued. The first day will be devoted to
the usual preliminaries, including the
judging of exhibits and closing with the
president's reception in the evening. The
amendment to the constitution, recom-
mended by the executive board, will be
taken up on the third day, August 18.

There will be addresses on the fourth
day by eminent foreign horticultural vis-
itors. The papers to be read include
"American Grown Bulbs," "The Develop-
ment of an American Type of Roses,"
by E. G. Hill, Richmond, Ind.; "The Ideal
Employee," by J. C. Vaughan, Chicago;
"Home and Municipal Improvement from
a Horticultural Standpoint," by J. A.
Pettigrew, Boston, Mass., and "Indoor
Blooming Plants," by J. A. Peterson,
Cincinnati, O.

Bowling contests between teams repre-
senting the various florists' clubs are
scheduled for the second day, Wednesday,
August 17, at 2 p. m. The Palace bow-
ling alleys, Twenty-second street and
Franklin avenue, have been selected for
the tournament. The shooting contest
will take place at the Du Pont shooting
park at 2 p. m. Thursday, August 18,
and during the same afternoon there will
be a reception and garden party at the
Shaw Gardens on invitation of Director
William Trelease and the trustees of the
Missouri Botanical Garden. The annual
meeting of the Florists' Hail Association
will be held Thursday, August 18, at 2
p. m., the American Carnation Society at
4 p. m.

TRANSPORTATION.

Special World's Fair rates prevail on
all railroads, and information regarding
them may be obtained at any railroad
ticket office. These tickets are round-trip
tickets. They are classified as season
excursion tickets, sixty-day tickets,
fifteen-day tickets and seven-day tickets,
the rate being based on the accommoda-
tions provided, but in each case very low,
and every member of the society should
take advantage of the opportunity offered
to attend the convention and visit the
great exposition. For most S. A. F.
members the fifteen-day tickets will be
found the most desirable. These tickets
allow of stop-over privileges both going
and coming. They are good only to
return over the same route as traveled
going, but those who desire can have
them issued to return over a different
route at a moderate additional cost. The
seven-day tickets are coach tickets only,
and can not be used for transportation
on sleeping or parlor cars.

PAYING DUES.

Members who have attended previous
conventions and know something of the
discomforts of waiting in line for an
opportunity to pay assessments and pro-
cure badges do not need to be reminded
to forward their dues to the secretary in
advance and thereby contribute to their
own comfort and facilitate the secretary's
work. Dues can not be paid while meet-
ings are in progress, and applicants will
be demanding attention before the open-
ing session on the first day, the posses-
sion of a badge and membership receipt
for 1904 being absolutely necessary before
any individual can sign the roll book and
receive invitation cards for the various
entertainments provided. On receipt of
\$3 from those who have paid member-
ship dues for 1903 and \$5 for all others
certificate and badge for 1904 will be
mailed promptly from the secretary's
office. Preserve your certificate and
bring it to the convention with you.

TRADE EXHIBITION.

The trade exhibition will be, as hereto-
fore, a prominent feature of the conven-
tion. Growers of plants, seeds, bulbs,
shrubs and trees, dealers in florists'
supplies, greenhouse requisites, building
material for greenhouse construction,
heating apparatus, etc., can here meet
the best buyers in the horticultural pro-

profession, and no better opportunity for directing attention to the special merits of their goods can be found. Attention of exhibitors and other parties interested is particularly called to the new system of judging, whereby the duties of the judges are limited to the making of awards to novelties and improved devices only, and exhibitors are required to make previous entry of all such exhibits with the superintendent in writing. Full rules and regulations, together with diagrams of the exhibition hall, may be obtained from C. A. Kuehn, superintendent, 1172 Pine street, St. Louis, to whom all applications for space should be made as early as possible, as space is already largely disposed of.

OBJECT OF THE SOCIETY.

The object of the society is to render such services to the florists of America as will add to their standing as a profession and promote their material prosperity. The amount saved to the florists in express charges during the past year, through the instrumentality of the S. A. F., was more than four times the cost of the society during its eighteen years' existence, and matters of equal importance are liable to come up at any time.

If not a member you should become one and thus contribute your little share towards maintaining your national society. Now is the best time to do it; \$5 the first year; \$3 annually thereafter. Address the secretary, Wm. J. Stewart, 11 Hamilton Place, Boston, Mass.

DEPARTMENT OF PLANT REGISTRATION.

A. C. Zvolanek, Grand View, N. J., submits for registration the following named sweet peas: Raritan, double, dark blue; Hudson, double, soft pink; Delaware, double, lavender; Passaic, double, pink and white. All bearing from three to five flowers on 14-inch stems. Height six feet. Adapted to outdoor culture only. Wm. J. STEWART, Sec'y.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By an all-around florist; German, married. Commercial or private. RIVERMONT FLORAL Co., College Park, Va.

Situation Wanted—Position as working foreman. Good rose and carnation grower and general plantsman. References. State terms. X care American Florist.

Situation Wanted—Up-to-date foreman wishes position in a first-class place. Best salary expected. Carnations a specialty. Address D B, care American Florist.

Situation Wanted—As foreman or manager, by an experienced competent grower with considerable executive ability. Address STEELE, care American Florist.

Situation Wanted—As foreman by an all-around florist. Private or commercial. Married, age 39. Address H B, 4125 St. Lawrence Ave., Chicago, Ill.

Situation Wanted—By young man, married; 8 years' experience in general greenhouse work, carnations, violets, 'mums and bedding stock. H B, No. 2 Avon Court, Wakefield, Mass.

Situation Wanted—In good seed house by experienced gardener, married, age 31 who has some experience in seed business and would like to work himself up in that line. Address H D, care American Florist.

Situation Wanted—By florist, 25 years' practical experience growing fine roses, carnations, 'mums and general stock. Good designer, best references. Address W, Florist, 47 Miami Ave., Detroit, Mich.

Situation Wanted—As reliable working foreman; German, sober, 33 years of age; 18 years' experience; good grower in cut flowers and pot plants. Good references. Please state wages, etc. Address O. QUAAE, Hotel Logan, Des Moines, Iowa.

Situation Wanted—By German, 27 years of age, single; one year in this country; 12 years' experience in growing palms, ferns and bedding plants. Good designer and decorator. Please state full particulars. Address R. APPEL, 4107 Olive St., St. Louis, Mo.

Situation Wanted—As foreman to take entire charge, by a first-class grower of cut flowers and plants; a life experience in leading places; capable of managing a large place and having the work done in a practical way. All references. Address 140, care American Florist.

Situation Wanted—A practical florist of twenty years' experience in this country and Europe desires a position in California, Washington or Oregon. Thoroughly understands the growing of roses, carnations and general greenhouse stock. Single, of good habits and unquestionable references. At liberty August 25. Address F P, care American Florist.

Situation Wanted—By a good all-around florist, good grower of roses, carnations, chrysanthemums and general line; also a good designer. Married, no children. German, age 31. Would like to run a place for somebody or go as partner in some paying retail business. Is able to invest some money. First-class references. H H, care American Florist.

Situation Wanted—An American, at present employed, of unusual business ability, desires a first-class situation or working interest in some good establishment or will accept traveling position. A No. 1 grower and propagator either in greenhouses or nursery and good ability at landscaping. First-class references. COMPETENT, care American Florist.

Help Wanted—Good rose grower. Address VAUGHAN'S GREENHOUSES, Western Springs, Ill.

Help Wanted—At once, experienced carnation grower; single man preferred; \$80 and room. MARTIN & FORBES, Portland, Ore.

Help Wanted—Young man with several years' experience, to help in greenhouse work. Board and laundry furnished. State wages. Address OXFORD RETREAT, Oxford, O.

Help Wanted—At once, a good, reliable, sober, all-around florist, to take care of roses and carnations, and assist generally if necessary. HUGO BUSCH, Jefferson City, Mo.

Help Wanted—At once; man well up in rose and carnation growing. Must come well recommended. Good wages and steady position to right party. Address FLORIST, 130 Neshannock Ave., New Castle, Pa.

Help Wanted—A working foreman; Beauty grower. Satisfactory wages paid to competent man. Give references as to character, and ability as a grower. Address FLORIST, Box 18, Station A, Cleveland, O.

Help Wanted—Retail salesman, thoroughly competent in table decorations to go to Florida for February and March next. Good references required. Address FOSTER & FOSTER, 34 W. 26th St., New York.

Help Wanted—A sober and intelligent man, as working foreman to take charge of a growing and up-to-date establishment. Steady place and good wages to the right man. Address, with full particulars, STEADY, care American Florist.

Help Wanted—Foreman to take entire charge of small commercial place near Baltimore. Carnations, 'mums and bedding stock principally grow. Good inducements to the right man; must give first-class references; single man preferred, as he must live on the place. Address MRS. McROBERTS, Govanstown, Balto. Co., Md.

Help Wanted—A competent man to take charge of private place for a customer of ours. Must thoroughly understand lawns, bedding and vegetables as well as the care of hot-beds and cold frames. State all particulars, age, single or married, salary expected, etc. No attention paid to letters without testimonials. Address LINDSAY FLORAL Co., Birmingham, Ala.

Help Wanted—A man who has had thorough and practical experience growing roses under glass and in the field. Must understand the propagation of roses, chrysanthemums, carnations and general greenhouse stock. One willing to work and competent to take entire charge of place can find a good steady position. Address with references and state wages wanted. GEO. P. MERRIFIELD, Helena, Arkansas.

Wanted—To rent or buy a small retail florist business or store. Address A B, care American Florist.

Wanted—Hitchings Hot-Water Boiler No. 16, in good condition. State price and full particulars. G J L, 332 Joel St., Pittsburg, Pa.

Wanted—Gardener as partner, a competent and practical man; small capital preferred. A good opportunity, near a growing city. B M 12, Seattle, Wash.

Wanted Partner—With money to develop and enlarge a good paying business; 3,600 feet of glass, want to double or treble size of plant. It is too small for present needs. Population 4,000. Other towns in easy reach. Partner who understands gardening preferred. For particulars, address Box 276 Richmond, Mo.

For Sale—Cheap; a Kroeschell style boiler; been used four seasons. Will heat 6,000 feet of 4-inch pipe. Address DAVIS BROS., Morrison, Ill.

For Sale Cheap—A No. 3 Furman boiler (for hard coal or coke), too small for us, as we are adding a few new houses. HUGO BUSCH, Jefferson City, Mo.

For Sale—Greenhouse, 2,500 feet of glass; rare bargain; good location; business established; owner in failing health. For particulars, address S. A. NOBLE, El Dorado, Kan.

For Sale—A first-class top delivery wagon, can be used by a commercial grower or a retail florist. Also a first-class two-seated wagon. Apply to CHARLES MILLANG, 50 W. 29th St., New York.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health. JAS. RICHARDSON, London, O.

For Sale—At a bargain; four greenhouses, well stocked; also cold frame sash; 2 room cottage, city water; houses heated by hot water; situated at Lynchburg, Va., a city of 25,000 inhabitants. J. PALMER GORDON, Ashland, Va.

For Sale—8,000 feet of glass well stocked; two acres; good five room house, city water, telephones, wagons and tools. Can sell everything you grow. In city of 6,000 in Missouri. Poor health reason for selling. Address H H, care American Florist.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 11 large greenhouses, 20 lots 125 feet deep, 50 feet frontage, fine dwelling house, etc., with modern conveniences; plenty of water and coal; good soil; everything in first-class order; all new. Have other business; have to give this up. There is money in it. I have made money, so can you. Try it. Terms reasonable. W W, care American Florist.

For Sale—Established greenhouses, Pocatello, Idaho, nursery, two dwelling houses, barn, 1500 square feet of glass. No other in Southeastern Idaho. Supplies Northern Utah and Western Wyoming, has unexcelled shipping facilities, six lines of railroad diverting into rapidly growing towns and country. It is a bargain, no competition. Must be sold on account of death. For further information address CHURCH & WHITE Co., Pocatello, Idaho.

WANTED...

A first-class man for general greenhouse work. Must be experienced in summer propagation of roses and shrubs. Also capable of keeping up stock for wholesale and retail catalogue trade. Must be energetic and reliable. Write giving full particulars and wages expected.

WAGNER PARK CONSERVATORIES, Sidney, O.

Flower Seed Man

WANTS POSITION as manager of the flower seed and bulb department of a prominent firm doing a general retail and wholesale business. 20 years' thorough, practical and commercial experience in flower seeds and bulbs; well up in composition of catalogues and advertising. Position must be permanent. Address "Flowerman," care Am. Florist, 42 W. 28th St., New York.

NOTICE

—OF—

STOCKHOLDERS' MEETING.

CHICAGO, July 1, 1904.

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 Rozier Hotel, St. Louis, Mo., Wednesday, August 17, 1904, 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.

Syracuse, N. Y.

The six 460 foot greenhouses of L. E. Marquisee in Delaware street are the scene of considerable activity at the present time. Alterations are being made including the putting in of new pipes, for heating. Mr. Marquisee's men are engaged in transplanting carnation seedlings. One of the long greenhouses is filled with a variety of red carnations, which are thriving well. The Sunbird, a light yellow which Mr. Marquisee put out last winter, is also doing well. In addition the seedlings include a new carnation which as yet has not been named. The changes Mr. Marquisee is making are principally in the propagating house, which last winter was found not sufficiently heated.

Thomas W. Quigley, Jr., son of Police Captain Thomas W. Quigley, is the latest to join the ranks of the Syracuse florists. He has three large greenhouses at 120 Malcolm street, in which are to be found a fine assortment of carnations and plants. Mr. Quigley last week executed a handsome casket piece for Beer Drivers' Union No. 49 of this city. It contained about 1,000 carnations and covered the casket. The piece was sent to the funeral of a union member, John Dunn, whose body was shipped to Jersey City, N. J. Mr. Quigley has a wide circle of friends in Syracuse.

A. V. B.

C. A. KUEHN,
Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

H. G. BERNING
Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Pittsburg Florist Exchange
WHOLESALE FLORISTS.

228 Diamond St., Pittsburg, Pa.
CONSIGNMENTS SOLICITED.

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.
Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Wholesale Flower Markets

MILWAUKEE, July 14.

Roses, Beauty, long per doz.	3.00
" " med.	1.50@2.00
" " short	4.00@ 8.00
" " Liberty	2.00@10.00
" " Chateaufort	2.00@ 8.00
" " Bride, Bridesmaids	2.00@ 5.00
" " Meteor, Golden Gate	2.00@ 5.00
" " Perle	2.00@ 5.00
Carnations	.75@ 2.00
Smilax	15.00
Asparagus	35.00@50.00
Valley	3.00@ 4.00
Harrisii	8.00@10.00
Sweet peas	.25
Adiantum	1.00
Auratum	12.50
Gladioli	5.00@ 6.00

PITTSBURG July 14.

Roses, Beauty, specials	25.00@30.00
" " extras	15.00@20.00
" " No. 1	8.00@10.00
" " ordinary	3.00@ 5.00
" " Bride, Bridesmaid	2.00@ 6.00
" " Meteor	2.00@ 6.00
" " Liberties	3.00@ 6.00
" " Kaiserin	2.00@10.00
Carnations	.50@ 1.50
Lily of the valley	3.00@ 4.00
Smilax	6.00@10.00
Asparagus, strings	25.00@50.00
Asparagus Sprengeri	1.00@ 2.00
Daisies	.50
Gladioli	3.00@ 6.00
Asters	.75@ 1.00
Sweet peas	.10@ .50

CINCINNATI, July 14.

Roses, Beauty	1.00@ 3.00
" " Bride, Bridesmaid	2.00@ 5.00
" " Liberty	3.00@ 6.00
" " Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00@ 1.50
Harrisii	8.00@12.50
Sweet peas	1.50@2.50 per 1000

St. Louis, July 14.

Roses, Beauty, long stem	2.00@3.00
" " Beauty, medium stem	1.50@2.00
" " Beauty, short stem	.35@ 1.25
" " Bride, Bridesmaid	3.00@ 5.00
" " Golden Gate	3.00@ 5.00
Carnations	1.00@ 2.00
Smilax	15.00
Asparagus Sprengeri	1.00@ 2.00
" " Plumosus	25.00@35.00
Ferns, fancy, per 1000	\$1.75
Adiantum	1.00
Sweet peas	.25
Valley	3.00@ 4.00
Ismene lilies	3.00
Gladioli	3.00@ 4.00

E. H. Hunt,

WHOLESALE
Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave.,CHICAGO.

J. M. McCULLOUGH'S SONS

WHOLESALE

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Peter Wieland

Wholesale Florist

Room 18, 128 E. Third St.,
CINCINNATI, O.

HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --

457 Milwaukee Street.

MILWAUKEE, WIS.

Fancy Roses Everything **Fancy Carnations**
...in...

PITTSBURG CUT FLOWER COMPANY, Ltd,
504 Liberty Avenue, PITTSBURG, PA.

The CLEVELAND CUT FLOWER COMPANY,

52-54 High St., CLEVELAND, O.

TELEPHONE CONNECTIONS.

CUT FLOWERS, SUPPLIES and WIRE DESIGNS at Wholesale.

Please mention the American Florist when writing.

J. B. Deamud
WHOLESALE FLORIST
 51-53 Wabash Ave., Chicago.
 Headquarters for
FANCY FERNS.

E. C. AMLING
 THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.
 32, 34, 36 RANDOLPH ST.,
 CHICAGO.
 L. D. 'Phones Central 1978 and 1977.
Please mention the American Florist when writing.

Bassett & Washburn
 76 & 78 Wabash Ave., CHICAGO.
 Wholesale Dealers and
 Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
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.
Please mention the American Florist when writing.

A. L. RANDALL CO.
Wholesale Florists.
 19 & 21 Randolph St., CHICAGO.
 Send for weekly price list and
 special quotations on 1000 lots.
Please mention the American Florist when writing.

Good Returns.
 AMERICAN FLORIST CO.:—Being sold out
 of Boston and Piersoni ferns and having
 nothing more to offer, please take our
 advertisement out of your valuable paper
 and send in bill. We have had good
 returns from our advertising in your
 paper and will give you more advertising
 in the future.
 CATION GREENHOUSE COMPANY.

J. A. BUDLONG
 37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty...
WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar,
 Wholesale Commission Florist
 —AND DEALER IN—
ALL FLORISTS' SUPPLIES.
 51 Wabash Ave., Chicago.
 Long Distance 'Phone Central 3598.
 Correspondence invited from growers of special-
 ties in Cut Flowers.

Kennicott Bros. Co.
WHOLESALE COMMISSION FLORISTS
 And Dealers in **FLORISTS' SUPPLIES**
 All Kinds of
 At Chicago Market Rates.
42-44 E. Randolph St., CHICAGO.
Please mention the American Florist when writing.

MICHAEL Winandy
 Wholesale Grower
 and shipper of **CUT FLOWERS**
 Room 218, 51 Wabash Ave., Atlas Block, Chicago.
 Telephone Central 3284.

SINNER BROS.
 Wholesale Growers
 and Shippers of **CUT FLOWERS**
 58 WABASH AVENUE, CHICAGO, ILL.
 With the Flower Telephone—
 Growers' Co. Central 3067.
 All telephone and telegraph orders
 given prompt attention.

Wholesale Flower Markets

Chicago, July 15.

Roses, Beauty, 30 to 36-in. stems	8.00@ 4.00
" " 20 to 24 "	2.00@2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	4.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 1.50
" fancy.....	2.00@ 2.50
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c sprays	2.00@6.00
" Sprengerl.....	3.00@ 6.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000,	1.25 .15
Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000	1.00@ 1.50
Smilax.....	12.00@15.00
Sweet peas.....	.20@ .10

A Daily Cut From 40 Growers
"Highest Qualities"
 AS WELL AS
"Under Grades"
 At ruling Market Quotations.
 WE CAN AND WILL SUPPLY YOUR
Cut Flower Wants
 TO ADVANTAGE.
Fancy Ferns, Etc.
 We carry the most complete line of
 Florists' Supplies in the West. Catalogue free.
E. F. WINTERSON CO.,
 E. F. Winterston, John P. Degnan, L. H. Winterston,
 Successors to McKellar & Winterston.
45-47-49 Wabash Avenue, CHICAGO.

D. WOOD BRANT,
 SUCCESSOR TO
BRANT & NOE FLORAL CO.
 —Grower of—
CUT FLOWERS AT WHOLESALE.
 Careful attention given shipping orders.
 58-60 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.

Poehlmann Bros. Co.
 Wholesale Growers of
 and
 Dealers in **Cut Flowers**
 All telegraph and telephone orders
 given prompt attention.
 Greenhouses: 35-37
 Morton Grove, Ill. Randolph Street,
CHICAGO.

WEILAND-AND-RISCH
CHICAGO'S RELIABLE
 Wholesale Growers and Shippers of
CUT FLOWERS,
 59 Wabash Ave., Chicago.
 SEND FOR WEEKLY PRICE LIST.
WHOLESALE FLORISTS

BAKER CITY, ORE.—R. C. Eisele has
 bought the Center Street Greenhouses of
 Ira B. Sturges and will add 2,250 square
 feet of glass this season.

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Please mention the American Florist when writing.

Leo Niessen

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

During the summer months we will be open from 7:00 a. m. until 6:00 p. m.

OUR MOTTO:

CAREFUL ATTENTION.
FULL COUNT.
GOOD PACKING.
PROMPT SHIPMENTS.
RIGHT PRICES.

BOSTON, MASS.

WELCH BROS.

15 Province Street

All Varieties FLOWERS in Season. FANCY and DAGGER FERNS.
FLORISTS' SUPPLIES all kinds.

Long Distance Telephone, 6268-6267 Main.

N. F. McCARTHY & Co.,



WHOLESALE
FLORISTS.

84 HAWLEY STREET,
BOSTON.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA,
THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

THOMAS YOUNG, Jr.

WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 26th St., NEW YORK CITY.

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.

A NEW COMMISSION HOUSE
—READY FOR BUSINESS.—

JOSEPH S. FENRICH

48 W. 30th Street, NEW YORK.

TEL. 325 MADISON Sq.

GALAX LEAVES.

Brilliant Bronze or Green. Selected stock, full
count, \$1.00 per 1000; \$3.75 per 5000.
Sphagnum Moss, clean picked stock, large
bale, \$1.75 each; by freight, \$2.00 each.

All Kinds of Decorative Greens and Florists' Supplies.

Tel. 597 Madison Square. L. J. KRESHOVER,
110-112 W. 27th St., New York.

ADDITIONAL SLEEPING-CAR SERVICE.

The Nickel Plate Road has placed an additional vestibuled sleeping car on train leaving Chicago at 9:15 P. M. daily, and also on train from Cleveland to Chicago, arriving Chicago 7:40 A. M. daily, for passengers between Chicago and Cleveland, in both directions and intermediate points. Three daily trains. No excess fare. American Club Meals, ranging in price from 35c to \$1.00, served in Nickel Plate dining cars; also service a la carte and Mid-day Luncheon 50c. Chicago city ticket offices 111 Adams St., and Auditorium Annex. Phones Central 2057 and Harrison 2208. Chicago depot, La Salle St. Station, corner Van Buren and La Salle Sts.

16

WEST HOBOKEN, N. J.—On and after July 1, 1904, the rose growing establishment heretofore conducted by E. G. Asmus & Son at West Hoboken, N. J., will be conducted under the title of E. G. Asmus' Son.

Wholesale Flower Markets

BOSTON, July 13.

Roses, Beauty, extra.....	8.00@15.00
" " medium.....	5.00@ 6.00
" " buds.....	1.00@ 3.00
" Bride, Bridesmaid.....	1.00@ 3.00
" extra.....	4.00@ 6.00
" Liberty.....	2.00@ 6.00
Carnations.....	.50@ .75
" Fancy.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Candidum lilies.....	1.00@ 2.00
Smilax.....	10.00@15.00
Adiantum.....	.75@ 1.00
Asparagus.....	35.00@50.00
Peas.....	.25@ .50
Gladiolus Colville.....	1.00@ 1.50

PHILADELPHIA, July 13

Roses, Tea.....	3.00@ 5.00
" extra.....	6.00@ 8.00
" Queen of Edgely, extra.....	16.00@25.00
" " firsts.....	6.00@ 8.00
" Beauty, extra.....	16.00@25.00
" " firsts.....	6.00@ 8.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus, strings.....	25.00@50.00
Smilax.....	12.00@15.00
Calla Lilies.....	6.00@ 8.00
Longiflorum.....	6.00@ 8.00
Sweet peas.....	.25@ .35

BUFFALO, July 14.

Roses, Beauty.....	3.00@25.00
" Bride, Bridesmaid, Meteor.....	2.00@ 8.00
Carnations.....	.50@ 2.50
Harrisii.....	15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	10.00@15.00
Adiantum.....	.50@ 1.00
Sweet Peas.....	.10@ .30
Asters.....	1.00@ 1.50

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

All Cut Flowers in Season.

26 Miami Ave., DETROIT, MICH.

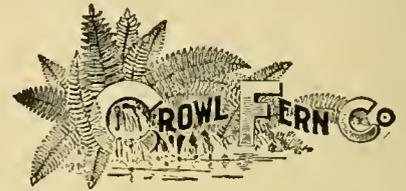
FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration)
Write, Wire or Phone the Introducers,

CALDWELL THE WOODSMAN CO., Evergreen, Ala.,
or their agents: J. B. Desmond, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkel, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

HARDY CUT FERNS.

FANCY OR DAGGER, 75c per 1000. Discount on large orders. GALAX, bronze or green, 75c per 1000; \$6.50 per case of 10,000. Use our MOUNTAIN LAUR L for your decorations, 4c, 5c and 6c per yd. Made fresh daily from the woods. BRANCH LAUREL, 35c per large bundle.



Tel. Office, New Salem, Mass. Millington, Mass.
Please mention the American Florist when writing.

HARDY CUT FERNS.

Write for Prices.



L. B. BRAGUE, Hinsdale, Mass.

Oldest, largest and most reliable dealer in U. S.
Please mention the American Florist when writing.

N. Lecakes & Co.

53 W. 28th St., and
45 W. 29th St., Also
at 26th St. and 34th
St. Markets
NEW YORK.

FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS
OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.
Princess Pine and all kinds of Evergreens.
Telephone 1214 Madison Square.

Please mention the American Florist when writing.



Fancy and Dagger Ferns, A No. 1 Quality \$1.00 per 1000.

Very fine Bronze and Green Galax selected stock, \$1.00 per 1000. Laurel Festooning, hand made, good and full, \$5.00 and \$6.00 per 100 yards. Green Moss, \$1.00 bbl. Sphagnum Moss, \$1.00 per bbl.; per bag 50c. Branch Laurel, 50c per bundle. Discount on large orders.

Orders by mail, telegraph or telephone will receive our personal attention.

Henry M. Robinson & Co., 11 PROVINCE ST., L. D. Tel., 2618 Main. Boston, Mass.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

—THE AMERICAN FLORIST.

FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT

42 West 28th Street, Telephone 2085 Madison Sq. Wholesale Florists.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 26th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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. Telephone 1905 Madison Square.

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 Street, 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. Tel. 958 Madison Sq. 115 WEST 30TH STREET, NEW YORK.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. New York. Cut Flower Exchange. OPEN 6:00 A. M.

AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.

Choice Carnations. Selected Roses.

Traendly & Schenck
NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange. New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, July 13.

Roses, Beauty, best.....	5.00@20.00
" " medium.....	1.00@ 4.00
" " culls.....	.50@ 1.00
" Liberty, best.....	6.00@10.00
" " medium.....	2.00@ 5.00
" " culls.....	.50@ 1.00
" Bride, Bridesmaid, G. Gate	.50@ 5.00
" Kaiserin, Carnot.....	2.00@ 6.00
Carnations.....	.50@ 1.00
" fancy and novelties.....	1.00@ 2.00
Lily of the valley.....	1.00@ 1.50
Lilies.....	2.00@ 4.00
Smilax.....	5.00@10.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Gardenias.....	2.00@ 6.00
Sweet peas.....	.50@ 1.50 per 100 bun.
Gladioli.....	2.00@ 4.00
Peverfew.....	.05 per bun.
Asters.....	1.00

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which I can ship ferns and decorative plants promptly.

50 W. 29th St. NEW YORK. Tel. 3860 and 3861 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK. Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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 1664 and 1665 Madison Square.

THE NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments:
TELEPHONE 756 Madison Sq. J. A. MILLANG, MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St. New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th St. N.W New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: ALEXCONNELL. WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

**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.

SAN FRANCISCO.
TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,
33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.
**Bertermann Bros. Co.,
FLORISTS,**
241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.
**Fred. C. Weber,
FLORIST,**
4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, L. Dist. Phone Lindell 186 N.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to intrust the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York	Liverpool	Etruria	1	Sat. July 23, 10.00 a. m.	July 30
New York	"	Lucania	1	Sat. July 30, 8.00 a. m.	Aug. 5
Boston	"	Saxonia	1	Tues. July 19, 8.00 p. m.	July 27
New York	Glasgow	Laurentian	2	Thur. July 28, 11.00 a. m.	Aug. 7
Montreal	Liverpool	Bavarian	2	Sat. July 23,	Aug. 1
Montreal	"	Parisian	2	Sat. July 30,	Aug. 8
New York	Hamburg	Bleucher	3	Thur. July 21, Noon.	July 31
New York	"	Graf Waldersee	3	Sat. July 23, 2.00 p. m.	Aug. 2
New York	"	Moltke	3	Thur. July 28, 10.00 a. m.	Aug. 7
New York	Genoa	Prioz Oskar	3	Tues. July 19, 10.00 a. m.	Aug. 3
New York	Copenhagen	Helig Olav	4	Wed. July 20, 2.00 p. m.	July 30
New York	Glasgow	Columbia	5	Sat. July 23, 3.00 p. m.	Aug. 2
New York	"	Anchoria	5	Sat. July 30, Noon.	Aug. 9
New York	London	Mesaba	6	Sat. July 23, 9.00 a. m.	Aug. 2
New York	"	Minnetonka	6	Sat. July 30, 7.30 a. m.	Aug. 9
New York	Liverpool	Majestic	7	Wed. July 20, 10.00 a. m.	July 28
New York	"	Cedric	7	Fri. July 22, 1.00 p. m.	July 29
New York	"	Oceanic	7	Wed. July 27, 5.00 p. m.	Aug. 3
New York	"	Arabic	7	Fri. July 29, 6.00 a. m.	Aug. 5
Boston	"	Cretic	7	Thur. July 28, 10.00 a. m.	Aug. 5
Boston	Genoa	Romanic	7	Sat. July 30, 11.00 a. m.	Aug. 13
New York	Southampton	St. Louis	8	Sat. July 23, 9.30 a. m.	July 30
New York	"	New York	8	Sat. July 30, 9.30 a. m.	Aug. 6
New York	Antwerp	Finland	9	Sat. July 23, 10.30 a. m.	Aug. 2
New York	"	Vaderland	9	Sat. July 30, 10.30 a. m.	Aug. 9
New York	Havre	La Savoie	10	Thur. July 21, 10.00 a. m.	July 31
New York	"	La Bretagne	10	Thur. July 28, 10.00 a. m.	Aug. 7
New York	Rotterdam	Potsdam	11	Tues. July 19, 10.00 a. m.	July 29
New York	Genoa	Sicilia	12	Tues. July 19,	Aug. 3
New York	"	Citta di Torino	12	Tues. July 26,	Aug. 12
New York	Bremen	K. Wil. Der Grosse	13	Tues. July 19, 10.00 a. m.	July 26
New York	"	Barbarossa	13	Thur. July 21, 11.00 a. m.	July 31
New York	"	Kronprinz Wilh.	13	Tues. July 26, 2.30 p. m.	Aug. 2
New York	"	Fredrick derGrosse	13	Thur. July 28, 10.00 a. m.	Aug. 7
Boston	Liverpool	Bohemian	14	Wed. July 20, 4.00 p. m.	July 30
Boston	"	Capadian	14	Wed. July 27, 10.00 a. m.	Aug. 6
Montreal	"	Dominion	15	Sat. July 23,	Aug. 2
Montreal	"	Cambroman	15	Sat. July 30,	Aug. 7

*1 Cunard; 2 Allen-Statc; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 6 Atlantic Transport; 7 White Star; 8 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

**JOHN BREITMEYER'S
SONS**

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

Artistic Designs.***
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

**The Park
Floral Co.**

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

JULY 29th

The Nickel Plate Road will run an excursion to Chautauqua Lake, N. Y., and return at one fare for the round-trip (\$14.00) from Chicago with return limit of August 30, by depositing ticket. No excess fare charged on any train on Nickel Plate Road. Cheap rates to other Eastern points. Three daily trains, with vestibuled sleeping cars. Individual club Meals, ranging in price from 35c to \$1.00; also service a la carte, and Mid-day Luncheon 50c in Nickel Plate dining cars. Write John Y. Calahan, General Agent, 113 Adams St., Room 298, Chicago, for particulars. Chicago city ticket offices, 111 Adams St. and Auditorium Annex. Phones Central 2057 and Harrison 2208. 14.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Umbria	1	Sat. July 23	July 20
Liverpool.....	"	Campania	1	Sat. July 30	Aug. 6
Liverpool.....	Boston	Ivernia	1	Tues. July 19	July 26
Glasgow.....	New York	Numidian	2	Sat. July 23	Aug. 2
Liverpool.....	Montreal	Tunisian	2	Thur. July 21	July 30
Liverpool.....	"	Pretorian	2	Thur. July 28	Aug. 6
Hamburg.....	New York	Deutschlaad	3	Thur. July 21	July 28
Hamburg.....	"	Patricia	8	Sat. July 23	Aug. 2
Hamburg.....	"	Columbia	3	Thur. July 28	Aug. 7
Genoa.....	"	Prinz Adalbart	3	Sat. July 23	Aug. 7
Copenhagen.....	"	Isloed	4	Wed. July 20	July 30
Copenhagen.....	"	United States	4	Wed. July 27	Aug. 6
Glasgow.....	"	Furnessia	5	Thur. July 21	July 31
Glasgow.....	"	Ethiopia	5	Thur. July 28	Aug. 7
London.....	"	Minnehaha	6	Sat. July 23	Aug. 2
London.....	"	Minneapolis	6	Sat. July 30	Aug. 9
Liverpool.....	"	Teutonic	7	Wed. July 20	July 28
Liverpool.....	"	Celtic	7	Fri. July 22	July 30
Liverpool.....	"	Baltic	7	Wed. July 27	Aug. 3
Liverpool.....	Boston	Republic	7	Thur. July 28	Aug. 5
Southampton.....	New York	New York	8	Wed. July 20	July 27
Southampton.....	"	St. Paul	8	Wed. July 27	Aug. 2
Southampton.....	"	Philadelphia	8	Sat. July 30	Aug. 6
Antwerp.....	"	Kroonland	9	Sat. July 23	Aug. 1
Antwerp.....	"	Zeeland	9	Sat. July 30	Aug. 8
Havre.....	"	La Champagoe	10	Sat. July 23	Aug. 1
Havre.....	"	La Gascogne	10	Sat. July 30	Aug. 9
Rotterdam.....	"	Ryndam	11	Sat. July 23	Aug. 2
Rotterdam.....	"	Noordam	11	Sat. July 30	Aug. 9
Genoa.....	"	Lombardia	12	Mon. July 18	Aug. 2
Genoa.....	"	Nord America	12	Mon. July 25	Aug. 10
Bremen.....	"	Bremen	13	Sat. July 16	July 26
Bremen.....	"	Kaiser Wilhelm II	13	Tues. July 26	Aug. 2
Bremen.....	"	Grosser Kurfuerst	13	Sat. July 23	Aug. 2
Bremen.....	"	Prinzess Alice	13	Sat. July 30	Aug. 9
Genoa.....	"	Konigin Louise	13	Thur. July 21	Aug. 3
Liverpool.....	Boston	Winiwedian	14	Sat. July 23	Aug. 3
Liverpool.....	"	Devonian	14	Sat. July 30	Aug. 9
Liverpool.....	Montreal	Vancouver	15	Thur. July 28	Aug. 6

* See steamship list on opposite page.

Lowell, Mass.

With the advent of July business has taken a flight elsewhere and there is hardly anything doing. During the last week funeral work has been away off. With this unusual quiet spell stock is in abundant supply, although most of it finds its way to the rubbish barrel the day after being cut. Asters are struggling for a place at the front, but those being sent in just now are not quite up to the standard. Every grower in Tewksbury has gone into aster growing this summer on a large scale. Sweet peas are to be had now in any quantity, all colors in bunches of twenty-five at 25 cents per 100.

The park commission is now up in arms over the alarming large army of the brown-tail moths which made their appearance last week. At first only a few came, but within a few days they covered the entire city in alarming numbers. Already the commissioners have drawn up a bill which will be presented to the city council at the next meeting for an extra appropriation so as to be able to cope with this destructive thing. So far Superintendent Whittet has managed to keep up with the pest at Fort Hill park.

Harvey B. Green's establishment has been a place of great activity the last few weeks. The entire heating arrangement has been changed to a more economic system. Mr. Green has also put in a good sanitary arrangement, making the entire place a model establishment.

Some of the shop windows are being filled with bloom of showy herbaceous plants these July days. McManmon has his window filled with these flowers, with a large card printed: "Pick out your plants now when they are in flower."

Peter McManmon was among the successful candidates who passed the civil service examination of the police board. It will not be long before Peter will be saying "move along."

Early closing is now in order throughout the entire city. Until September every Thursday at 12:30 p. m. finds everyone closed for the rest of the day. Try it in your town.

Some one fired off a giant cannon cracker the night before the Fourth in front of Dick Griffiths' store. The explosion cracked the window in a thousand pieces.

Kaiserin roses from the Exeter Rose Conservatories are showing up in good shape; so are their Chateaus, which are certainly good roses for this hot weather.

George W. Patten and wife have returned home after a delightful ten days' sojourn up in Vermont.

A. M.

Providence, R. I.

Commencement business was very good considering the fact that flowers were tabooed by the school authorities. While the grammar schools seemed to be thoroughly scared by the order, the high schools gave orders for flowers as usual and the amount of business sent to the technical, English and classical high schools aggregated much more than ever before, while the private schools showed an increased use of bouquets and baskets. Business since has been quiet.

M. M.

WELLESLEY, MASS.—W. W. Tailby was married on June 29 to Miss Mary F. Davis. The bridal trip includes a visit to the World's Fair.

Meetings of Florists' Clubs.

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 third Tuesday of each month, October to March inclusive. W. E. Fiacher, Sec'y, 18 Union Terrace, Jamaica Plain, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 481 Washington street. Second Wednesday of each month, at 8 p. m. Wm. Legg, Sec'y, 140 Delaware avenue, Buffalo.

BUTTE, MONT.—Montana Florists' Club, Columbia Gardens. Second Friday in each month. S. Hansen, Sec'y, W. Galena and Excelsior streets. CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Thursday 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. Murphy, Sec'y, Sta. F., Cincinnati, O.

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, Westpark, O.

DAVENPORT, IA.—Tri-City Florists' Club, Odd Fellows' Hall, Fifth and Brady streets. H. Meyer, Rock Island, Ill., Sec'y.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Sec'y.

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.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Sec'y, Grandville, Mich.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Tuesday of each month at 8 p. m. J. F. Coombs, Sec'y.

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 st. Indianapolis.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Redstone, Sec'y.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Tuesday of each month in Empire Building, West Water and Grand ave. H. V. Hunkel, Sec'y.

MINNEAPOLIS, MINN.—Minneapolis Florists' Club, West Hotel. First Thursday of each month, at 8 p. m. C. F. Rice, Sec'y, 128 N. Sixth 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 Crosse street.

NEW BEDFORD, MASS.—New Bedford Florists' club, second Thursday of each month. Wm. P. Pierce, Sec'y.

NEW YORK, N. Y.—New York Florists' Club, Grand Opera House Bldg., 8th avenue and 23d St. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska Florists' Society, City Hall. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1619 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.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, at German Beneficial Bldg., 6th and Cherry avenue. Second Thursday of each month, at 8 p. m. H. P. Joslin, Sec'y, Ben Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Providence. Second Thursday of each month, at 8 p. m. Alexander Rennie, Sec'y, 41 Washington street, Providence.

RICHMOND, IND.—Richmond Florists' Club, at the greenhouses of members. Third Monday of each month. H. C. Chessman, Sec'y.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Society, office of Huddart Floral Company, 214 E. Second South street. Second and fourth Friday of each month. P. T. Huddart, Sec'y.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday and third Monday of each month. Thos. H. Munroe, Sec'y.

SEATTLE, WASH.—Seattle Commercial Horticultural Club, First and Cherry streets. First Wednesday of each month. Wm. Hopkins, Sec'y, 822 First avenue.

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 Saray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

WASHINGTON, D. C.—Washington Florists' Club. Meets first Wednesday in each month. Wm. F. Gude, Sec'y.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention, June, 1905.

CUCUMBER fields in northern Indiana and Michigan are looking well.

VISITED PHILADELPHIA: R. W. Clucas, of Clucas & Boddington, New York.

IN BERMUDA: C. W. Scott, of Vaughan's Seed Store, Chicago and New York; F. H. Henry, of Henry & Lee, and Geo. Stumpp, of Stumpp & Walter, New York.

POTATOES, according to the government report, show an acreage of 34 per cent over last year, and a condition slightly better than a ten-year average.

VISITED CHICAGO: F. A. Wilcox and wife, of Santa Clara, Cal., returning from an eastern visit, called on July 9; Harry L. Holmes, of Harrisburg, Pa.

THE Vilmoria monument fund now amounts to over 5,000 francs. The American members of the international committee are C. S. Sargent, Brookline, Mass.; Mr. Mac Mutrie, New York, and D. M. Ferry, Detroit, Mich.

ONION set crops in the Pennsylvania districts are reported as badly injured by maggots. At Louisville the crop is reported short. At Chicago the crop is quite uneven, some growers having a fine stand, others twenty-five per cent off.

New York.

A. E. Wheeler, of Weeber & Don, sailed for Europe on the steamship Baltic July 13.

R. W. Clucas, of Clucas & Boddington, has returned from a trip to the Carolinas.

Vaughan's Seed Store is busy with the first early shipment of Harrisii lilies.

Dan Wittpen, of McHutchinson & Company, sailed for Europe July 13.

Visitor: George C. Watson, Philadelphia, Pa.

Mailing Catalogues.

ED. AM. FLORIST:—We notice in the July 9 issue of your paper that the postmaster at Chicago states that the bill "providing for the payment of postage in bulk on large lots of third-class matter without stamps affixed" failed of passage in last congress. This statement is correct, but still it does not answer the inquiry nor convey the proper impression.

When it was seen that the bill would not be reached nor considered by congress at this session the following rider was inserted in the P. O. appropriation bill: "That hereafter, under such regulations as the postmaster general may establish for the collection of the lawful revenue and for facilitating the handling of such matter in the mails, it shall be lawful to accept for transmission in the mails quantities of not less than 2,000 identical pieces of third or fourth class matter without postage stamps affixed, provided that postage shall be fully prepaid thereon."

This was passed by the house of representatives, the senate concurring, on April 12, 1904, but the postmaster general, we believe, has not yet promulgated

regulations. It is hoped that favorable rulings can be secured, permitting the mailing of catalogues in bulk at the gross weight at the rate of 8 cents per pound, thus doing away with the bother of affixing postage stamps.

CHAS. N. PAGE, Pres.,
American Seed Trade Association.

A New Late Cabbage From Russia.

This is a variety of cabbage called the Volga which has been grown on Long Island during the past nine years, according to the American Agriculturist. The crop of 1903 was the fourth one from seed grown in this country. The heads of this variety are reported to weigh from ten to fifteen pounds. In shape it is midway between the Danish Ball Head and the Flat Dutch. It is considered one of the best for shipping and for kraut. It is a rapid-growing variety, valuable for a second crop. When planted the same time as the earliest varieties of Flat Dutch it made a solid head fully two weeks earlier than Early Summer, and twenty-five per cent larger. The heads are very uniform in size. In a field of four acres grown for seed purposes less than one per cent had to be thrown out. The variety is especially recommended as a quick-growing late sort.

Rocky Ford Melon Seeds.

The following with regard to Rocky Ford melon seeds is, practically, a reproduction of a bulletin by P. K. Blinn, recently published by the Experiment Station, Fort Collins, Col. There are in the bulletin four good illustrations, one of which is herewith reproduced by courtesy of the experiment station authorities:

The cantaloupe now known as the Rocky Ford was originally Burpee's Netted Gem, but under the favorable conditions which prevail in the arid regions of Colorado, it has developed into a melon surpassing in quality the parent stock, and its superior merits have won for it a new name and a popular reputation.

In the early days of the cantaloupe industry at Rocky Ford the growers relied on eastern seedsmen for their supply of seed, and to a certain extent had satisfactory results until the growth of the industry exceeded the supply of reliable seed, when a number of growers were supplied with seed which produced a mixed lot of varieties, wholly unfit for market as Rocky Ford cantaloupes. The loss not only fell heavily on the disappointed grower, but through the agency of bees and other insects carrying the pollen, the injury

was easily transmitted to neighboring fields of choice melons, producing crosses of an undesirable nature.

On account of the introduction of these mixed strains, and the varying ideas of seed selection, the Rocky Ford cantaloupe lacks uniformity in many respects; a large percentage of melons are unmarketable on account of size and form, which renders them unfit to crate. Defective netting and thin, soft flesh are also common imperfections. Because of these defects, the growers sustain a loss that could largely be prevented by planting a better grade of seed.

The cantaloupe is a product of years of systematic selection, and it requires the same methods to maintain its excellence as were employed in its development. Without care in selection, the natural tendency of all cultivated plants to vary will soon cause a good strain of cantaloupes to revert to an undesirable type.

There is a marked contrast between the products of carelessly selected and pedigreed, *i. e.*, carefully selected, melon seed; the one is inclined to be irregular in size and form, with the netting thin and often wanting, and with a decided tendency to ripen prematurely, turning yellow and soft; a loss not uncommonly of twenty to forty per cent in culls, while choice seed produces melons that are uniform in size and shape, the netting thick and complete, the marketable stage more prolonged and practically no loss in culls.

The wide reputation of the Rocky Ford cantaloupe has created a great demand for Rocky Ford seed, as it is claimed to produce a higher grade of cantaloupe than seed from other states, and each year large quantities are saved to fill this demand, but unfortunately for the industry the quality of this supply is not what it should be; it is principally produced from the cull piles.

After frost, at the close of the shipping season, everything in the line of a cantaloupe, green or ripe, large or small, is gathered and run through a melon seeder, with no attempt at selection.

This seed is bought by the jobber and seedsmen for 10 to 20 cents per pound, and when it is on the market it cannot be distinguished from well selected seed, and doubtless is sold as such.

There would be nothing to commend such seed to any practical grower if he realized its source.

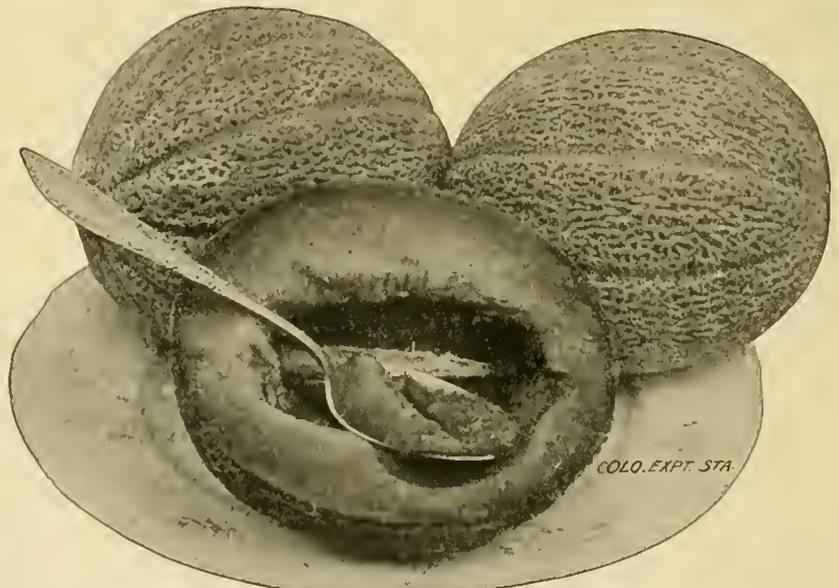
As the seed market has been so abused, to procure good seed one must either save it himself or have seen the melons from which it was saved, or purchase it from a reliable grower before it has passed through several hands.

The fact that seed can be had cheap and growers are willing to plant it, is an evident reason for its existence on the market, but the lack of information as to what constitutes a good seed cantaloupe may also be responsible for poor seed selection.

STANDARD OF PERFECTION.

The form and outward appearance of a perfect Rocky Ford cantaloupe requires a melon slightly over four inches in diameter and about four and five-eighths inches long; it should have silver grey netting that stands out like thick, heavy lace, practically covering the entire melon, save the well-defined slate-colored stripes; these should run the whole length of the melon clear cut as if grooved out with a round chisel and terminating at the blossom end in a small button. The interstices in the netting should be light olive green, that turns slightly yellow when the melon is ready for market. A melon with a black skin under the netting is not so attractive in appearance.

But the outward appearance is not the only



AVERAGE PRODUCT OF CHOICEST ROCKY FORD MELON SEED.

basis for selection in saving seed; the inside points are as essential to consider as any external quality, and no one can determine that a melon is fit for seed until it has been cut open and the inside qualities examined; for this reason the machine seeder is of no use in selecting choice seed; the melons should all be cut and examined by hand.

The flesh should be thick and firm, of a smooth texture and free from watery appearance, rich and melting in flavor. The shipping and keeping qualities depend largely on the solidity of the melon, so the seed cavity should be small and perfectly filled with seed. The color of the flesh near the rind should be dark green, shading lighter toward the seed cavity, which should be salmon or orange in color. The flesh is often mottled with salmon, and not uncommonly the entire flesh is of that color. The flavor is usually quite uniform, though it is sometimes affected by the health of the vines or other conditions of growth.

The seed will bear close inspection, as it is sometimes cracked or sprouted, which renders it of no value for germination.

The first steps in seed selection should be made when the melons are growing. Extra prolific hills should be marked with stakes, and the earliest ripening specimens conforming to the above ideal should be saved as choice seed, and planted in a place isolated from other melons, and the same care should be exercised in the years that follow.

The grower can and should save his own seed, as he can give it more careful attention than any commercial seed grower.

A few growers, realizing the importance of systematic selection, have made the proper choice of seed for their own use.

The illustration shows melons developed after five years of careful seed selection. Beginning with a melon as nearly perfect as could be found the old saying that "like produces like" has been exemplified to a marked degree. Each year the number of perfect melons has increased, so that now, when soil, fertility and all growing conditions are favorable, the over-sized melons are eliminated; all melons are completely netted, and practically all are marketable.

Improvement is still possible, yet the value of careful seed selection has been so demonstrated that if melon growers would adhere to a strict selection of perfect, early-ripening melons, not only would the returns from the melon crop be increased, but the cantaloupe would become a more staple article by virtue of its improved shipping and keeping qualities.

VALUE OF CHOICE SEED.

Unless one has a well developed strain of seed, it is not probable that he can save more than one or two pounds per acre of extra selected seed, so the supply of choice seed is limited.

The market value of the cantaloupe at the time the seed is saved should determine the price of seed. Thus, it requires about as many melons to produce one pound of seed as will fill a standard crate, and actually more, because some melons need to be rejected. This cannot be fully determined until the melon is cut, when, if it proves unfit for seed, it is also lost for market. So the price of seed must be equal to or exceed the price of a crate of melons at the time the seed was saved.

During the first week or ten days of the shipping season at Rocky Ford it is common to realize from \$2 to \$6 per crate. No one at this time can afford to save seed to sell at the ordinary price per pound. Indeed, few growers are wise enough to save for their own use.

At the average price of cantaloupes through the shipping season the grower must realize at least \$1 per pound to warrant him in saving seed for the market. At the close of the shipping season, when melons are no longer marketable, the seed is willingly saved for what it will bring. This is the source of a large part of the seed on the market.

The difference in value between seed saved early from perfect melons, of high market worth, and that saved six weeks later from immature, frost-bitten melons which cannot be marketed is not often appreciated; yet, if the higher priced seed should yield only one or more crates per acre of early melons, or increase the total yield by several crates, which the extra vitality and superior points of perfection can easily do, the higher priced seed is cheaper at any price, and its value to the melon industry cannot be estimated.

Louisville.

The last week showed plainly what the warm weather was doing for us. One or two large funerals and a commencement helped things some, however. We can now secure about as good roses here as in Chicago, the northern ones seeming to have come down a great deal in the last few days. Carnations are holding their quality pretty well and the demand has been good. Sweet peas continue to be in demand and the quality

good. Lilies are about over. Asters are coming on nicely, and in a week or two we will be able to let the carnations have their vacation. Green goods are plentiful.

The regular monthly club meeting was held at Riverview Park and was surprisingly well attended, especially by the Germantown delegation. The subject of advancing prices came up, and after much discussion it was decided that a committee be appointed to make a suggestive price list, both wholesale and retail, President Schulz appointing J. E. Marret, Louis Kirch, John Bohman, C. H. Kunzman and Henry Lichtefeld. The monotonous saying was: "If anyone else raises, I will." Are we going to miss a chance to make \$1.50 where formerly we made only \$1, just on account of three or four back numbers holding back? Surely it would look more reasonable

for four to be afraid of failing than forty. The reports of the auditing committee, financial secretary and treasurer were read, showing the club in a flourishing condition. It was also decided that the club be incorporated as the Kentucky Society of Florists. The applications of David Weller and Wm. Bernasky for membership were accepted.

Charles W. Reimers has returned from a pleasure trip to St. Louis, seemingly well pleased and contemplating a return engagement.

The leading stores are now closed in the evening.

C. H. Kunzman has returned to the city. F. L. S.

ALBANY, N. Y.—H. H. Groff, of Simcoe, Ont., accompanied by his wife, has been seen spending a week with Arthur Cowee at Meadowvale Farm, Berlin, N. Y.

California Callas



ARRIVING SOON.

Grown for us by Experienced Florists, dug only when well ripened and cured in the shade. They are as free from disease as possible.

Sizes and Prices for Fall Delivery, Healthy Bulbs up to Grade.

Diameter.	Per 100
1 1/4 to 1 1/2-inch.....	\$5.00
1 1/2 to 2-inch.....	7.00

Vaughan's Seed Store,
84-86 Randolph St., Chicago.
14 Barclay St., New York.

For Sale.

Having separated our wholesale and retail seed business, I now wish to sell my interest in the retail. This business, known under the name of St. Louis Seed Company, is one of the finest retail and mail-order chances in its line in the west. This offer will stand close investigation and is only made through a lack of time on my part to attend to both branches of the trade.

For further particulars address

FRED. S. PLANT,

814 N. 4th Street, ST. LOUIS, MO.

REMOVAL NOTICE.

Increasing business compels my removal to larger quarters. My address after July 1st will be

342 W. 14th St., NEW YORK.

ARTHUR T. BODDINGTON.

100,000 CALLA BULBS

READY TO SHIP.

Per 1000

1 -inch diameter.....	\$25.00
1 1/4 -inch diameter.....	35.00
2 -inch diameter.....	45.00
2 1/4 -inch diameter.....	55.00
3 -inch diameter.....	95.00

ASPARAGUS PLUMOSUS NANUS, strong, 2-inch..... 20.00

CARNATIONS, field-grown, now ready; G. H. Crane, Success, America..... 30.00

New crop GIANT MIXED PANSY SEED..... 1/4-oz., \$1.00; 1-oz., \$4.00

New crop large SHASTA DAISY SEED..... trade pkt., 25c; 1-oz., \$5.00; 1-lb., \$50.00

250 plants or bulbs at 1000 rate. Charges prepaid to your city. Terms cash with order.

CALIFORNIA CARNATION CO., Loomis, Cal.

LILY of the VALLEY PIPS

FROM COLD STORAGE.

In original cases of 500, 1000, and 2,500.
Prices on application.

CHAS. F. MEYER,
99 Warren St., NEW YORK.

MUSHROOM SPAWN.



Frequent importations from England. Always fresh and lively.

J. J. Styer, Concordville, Pa.

Henry Mette,

QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Beet, Vegetable and Flower Seeds

PANSIES.

Mette's "Triumph of the Giants"

the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per 1/2 oz.; 75c per 1-16 oz. Postage paid. Cash with order.

Please mention the American Florist when writing.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

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

VIBURNUM NUDUM is one of the latest bloomers of the genus. It is a very attractive shrub, with thick and glossy foliage.

LYNN, MASS.—The park system has been enriched by the gift of famous High Rock, for which John W. Hutchinson has given the city a quit-claim deed.

The famous Washington elm at Cambridge, Mass., which for a number of years was in very sickly condition and apparently in the last stages of decline, has taken on new vigor and is abundantly clothed with young growths and healthy foliage. This is the result of a thorough overhauling and generous feeding with new loam under the advice of Prof. Sargent and Mr. Pettigrew.

AMONG the useful bloomers at the present time, when but few shrubs are in flower, is *Indigofera Gerardiana*, *Diervillea sessilifolia*, *Sambucus Canadensis*, *Cornus sericea*, and a few of the roses are about all the shrubs showing bloom at this date, and all are well worthy of planting generally for that reason. *Pavia macrostachya* will soon open its attractive flower spikes. It, too, should be included in all collections. *Sambucus racemosus* is now showing its brilliant red fruit, and the *Lonicera*s are as beautiful in fruit as they are in bloom, although they are not so heavily fruited this season as usual.

Tree Pests.

The gypsy moth has shown its utter disregard for class or profession by invading the Botanic garden of Harvard University and attacking in force some of the finest trees within the enclosure. Four noble specimens of American beech standing near one of the entrances are entirely denuded of their foliage, and the branches are as naked as in December. The voracity of the crawling pests is exhibited in the bare branches of pines and spruces, the tough needles being eaten off with the same relish apparently as were the beech leaves. Great masses of the caterpillars may be seen here and there on the trunks and limbs during the day, the insects doing their feeding in night time. While complete eradication is not to be expected, it does seem that the presence of the pest in such numbers in such a place is inexcusable.

The twin nuisance of the gypsy, known as the brown-tail moth, is also giving evidence of great activity. Its feeding days are over and it is now in the flying stage, the white-winged moths flying in myriads about the electric lights at night, having the appearance of a snow storm and roosting in dense masses on telegraph wires and poles. Dr. Marlatt, who has been in this neighborhood for several days investigating the situation on behalf of the Agricultural Department, says that he found it much more serious than he had anticipated.

AMHERST, MASS.—M. B. Kingman has closed his store for the summer.

Pittsburg, Pa.

Some very good roses, carnations, gladioli, asters, sweet peas and lily of the valley are coming in to this market, but as for business, you can hardly notice it at all.

A great storm passed over Pittsburg and vicinity the night of July 11. Hail stones caused severe damage to the Phipps conservatory in Schenley park, also destroying many of the plants and flower beds in Schenley and Highland parks.

The Lord & Burnham Company, of Irvington, N. Y., has begun the construction of the new penitentiary conservatory for which Henry Phipps donated \$5,000. The conservatory will be 25x100 feet. The work will be done by prisoners.

Fire in the store of Randolph & McClements July 5, was caused by crossed call box wires. Quick action by the fire department prevented a serious blaze. The loss was about \$5.

E. C. Ludwig, chairman of the picnic committee, promises good weather, good music, good refreshments and a good time on Thursday.

The Florists' Exchange scheme of selling cut Pierson ferns put up in bunches of twenty-five has established quite a demand for them.

A committee was appointed at the last club meeting to secure general information concerning the S. A. F. convention at St. Louis.

Harry Graves has returned to Beloit, O. "Bob" Herron will go to St. Louis during the month.

A. W. Smith displayed a fine collection of gloxinias, which attracted wide attention July 9.

Sam McClements is directing the work of improvement on this new farm in Varona.

Indications point to a successful club picnic, July 14.

Mr. Roehrs and Thos. K. Knight were visitors last week. E. L. M.

Columbus, O.

Sweet peas are a glut on the market. The flowers are fine, but they can be bought at one's own price. Asters are just making their appearance, and where the ground is not too flat they are greatly benefited by the rains. Indoor stock newly planted this season is all doing fine. There have never been so many new varieties of chrysanthemums on trial as there are this year, which no doubt will make the season an interesting one.

There was a large attendance at the Florists' Club meeting. There were some very able discussions on the growing of chrysanthemums. A committee was appointed to formulate plans for a chrysanthemum show. Another committee is to charter a car, on which the members of the club will make a trip to Buckeye lake, where the day will be spent in fishing, boating, etc. Aside from this there will be an exhibition five-mile foot race by the two sprinters, Jim McKellar and Wm. H. Thompson, and a lightweight glove contest between the two heavyweights, John Williams and Jake Reichert. Aside from this there will be amusements of minor nature, so that the day will be one of general attraction for all. It was requested by Chairman Stephens that all those intending to take in the S. A. F. convention should give in their names by the next regular meeting, thus enabling the committee to secure rates to St. Louis.

C. A. Roth returned from an extended trip south and east. CARL.

G. H. MOORE

THE BEST ROSE NOVELTY

Dwarf
Crimson
Rambler

Vaughan's
Seed Store
CHICAGO.
NEW YORK.

ORDERS BOOKED NOW.

ATTENTION NURSERYMEN and FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Paeonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. **W. VAN KLEEF & SONS,**
The Nurseries, Boskoop, Holland.



Send to **THE MOON**

Company

For Trees, Shrubs, Vines
and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

August Rölker & Sons,

IMPORT TO ORDER

Manetti Rose Stocks for grafting. Forcing Lilacs, Lily of the Valley, Palms, Bay and Box Trees, Decorative Plants and Shrubs, Etc.

31 Barclay St. or P. O. Box 752, NEW YORK.

Jacs Smits, Ltd. (Holland.)

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Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality.

When in Europe please inspect our nurseries. **NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot.**

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co.,

BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain.

VAN DER WEIJDEN & CO.,

"The Nurseries," BOSKOOP, HOLLAND.

Wholesale } Ornamental Stock, Shrubs, Clematis,
Growers } H. P. Dwarf and Standard Roses, pot-
of } grown plants, Azaleas, Etc., Etc.

— Ask for prices. Catalogue free. —
First-class stock at moderate prices.

— No Agents. —

The Cottage Gardens Co.

(Incorporated.)

Queens, Long Island, New York.

Nursery Book, giving descriptions of nursery stock, peonies, etc., mailed upon application.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

Attention! Don't Fail

to be represented, either by having an exhibit or an attractive sign
at the S. A. F. Convention, to be held at St. Louis, August 16th to 19th.

This is last chance to make application. Particulars from
C. A. KUEHN, Supt. of Exhibits. 1122 Pine St., ST. LOUIS, MO.

ROSEPLANTS

In 2-inch Pots.

	Per 100	1000
BRIDESMAID.....	\$2.50	\$20.00
BRIDE.....	2.50	20 00
GOLDEN GATE.....	2.50	20.00
IVORY.....	2.50	20.00
LIBERTY.....	5.00	45.00
PERLE.....	2.50	25.00

In 3-inch Pots.

BRIDESMAID.....	\$4.00	\$35.00
BRIDE.....	4.00	35.00
PERLE.....	4.00	35.00

My 2½ and 3-inch Roses are in fine condition. Large, clean and healthy. Place your order without delay. They will go quick at these prices. Positively A1 stock.

GEO. REINBERG.

51 Wabash Ave., CHICAGO.

Roses! Roses!

Extra strong 4-inch stock. Bride, Bridesmaid, Golden Gate and Wootton at \$3.00 per 100. Send now for samples. Cash with order from unknown correspondents.

Warrendale Floral Co., St. Paul, Minn.

ROSES.

If you are a little late with planting, be sure and send your order for good, live, healthy stock to

Geo. A. Kuhl, PEKIN, ILL.

for any of the following varieties: BRIDE, Maid, Ivory, Golden Gate, Perle, La France, Wootton, Carrot, American Beauty.

AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROS., New Castle, Ind.
South Park Floral Company.

ROSES. CLOSING OUT PRICES.

	Per 1000
2½ and 3-in., extra choice stock.	\$20.00
Golden Gate.....	20.00
Bride.....	20.00
Bridesmaid.....	21.00
Mme. Chateau.....	30.00

Above prices cash with order.

JOHN BROD, Niles Center, Ill.

Please mention the American Florist when writing.

AMERICAN BEAUTY

3-inch, \$5.00 per 100.

GATES, 2½-inch, per 100.....\$2.00

BRIDES and MAIDS, 2½-inch, per 100.. \$2.50

RHOTEN BROS. CO., Box 5, Danville, Ill.

ROSES...

Maid, Bride, Gate, Perle, 2½-inch, per 1000, \$25.00; per 100 \$3.00.

Maid, Bride, Gate, Perle, 3¼-in., per 1000, \$15.00.

Cut back beehched Beauties, a few thousand plants left, \$35.00 per 1000. Elegant stock to replant in benches.

2½-inch Beauties, per 1000.....\$40.00 3¼-inch Beauties, per 1000.....\$55.00

Cut back beehched Teas, per 1000.....\$40.00

Prices are extremely low considering quality of the stock. We have to dispose of them to finish planting. Orders booked for delivery anytime during July.

CHRYSANTHEMUMS.

WHITE	Cuttings 2½-in. pot		YELLOW	Cuttings 2½-in. pot	
	per 100	per 100		per 100	per 100
Estelle.....	\$1.50	\$2.50	Chantauqua Gold.....	\$2.00	\$3.50
Gen S. Kalb.....	1.50	2.50	Robert Halliday.....	1.50	2.50
Merry Christmas.....	1.50	2.50	Eclipse.....	2.50	4.00
Wanamaker.....	1.50	2.50	PINK		
Chadwick.....	2.50	4.00	Murdock, Perrio, Pacific.....	1.50	2.50
Fitzwygram.....	2.00	3.50	Shaw, Quito.....	2.00	3.00
Ivory.....	1.50	2.50	Richardson, Maud Dean.....	1.50	2.50
Jones.....	1.50	2.50	Duckham, Sensational Pink..	25 00	30.00
YELLOW			RED		
F. D. Smith.....	1.50	2.50	Intensity, Schrimpton.....	2.00	3.00
Whildin.....	1.50	2.50	VARIOUS		
Parr.....	1.50	2.50	Percy Plumridge.....	6.00	8.00
Sunshine.....	1.50	2.50	Moumier.....	1.50	2.50
Gold Mine.....	2.50	3.50	C. J. Salter.....	6.00	8.00
Monrovia.....	2.00	3.00	T. W. Pickett.....	6.00	8.00
Nagoya.....	2.00	3.00	Lord Hopetoun.....	10.00	12.00

Headquarters for Finest Cut Roses and Carnations. Shipments made direct from Greenhouses or Store.

POEHLMANN BROS., Morton Grove, Cook County, Ill.

Please mention the American Florist when writing.

ROSE PLANTS.

In 2½-inch pots.	Per 100	1000	In 2½-inch pots.	Per 100	1000
Bride.....	\$3.00	\$25.00	Metear.....	3.00	25.00
Bridesmaid.....	3.00	25.00	Kaiserin.....	4.00	35.00
Ivory.....	3.00	25.00	Liberty.....	5.00	40.00
Golden Gate.....	3.00	25.00			

GIVE US YOUR ORDER NOW.

WIETOR BROS., Wholesale Growers of Cut Flowers.

51-53 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

ROSE PLANTS CHOICE STOCK.

IVORY, 2½-in., \$3 per 100; \$25 per 1000; 3-in., \$5 per 100. BRIDESMAID, 2½-in., \$3 per 100; \$25 per 1000. PERLE, 2½-inch, \$3.50 per 100. This stock is all A1.

C. C. POLLWORTH CO., Milwaukee, Wis.

ROSES. 3½-inch pots. First-class Plants

Per 100	Per 1000
1000 Sunset.....	\$8.00
1000 Chateau.....	6.00
1000 Maid.....	6.00
800 Bride.....	6.00
700 Golden Gate.....	6.00
300 Sunrise.....	\$6.00
300 Meteor.....	6.00
300 Hoste.....	6.00
150 Liberty.....	6.00

SYRACUSE GREENHOUSES, Syracuse, N. Y.

3-INCH ROSES. Splendid Strong Stock. Low Closing Prices.

	Per 100	Per 1000
Bride, Maid, Ivory, Gate.....	\$1.00	\$35.00
Beauty.....	5.00	45.00
Perle, very fine.....	5.00	50.00

2½-INCH.

Bride, Ivory..... 2.50 20.00

Beauty..... 3.00 25.00

Very low prices for very choice plants. Order at once. Stock will not last long at such prices.

W. H. CULLETT & SONS, Lincoln, Ill.

Our Pastimes.

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

Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

In the last series of three games between the Champions and the Also Rans at Mussey's alleys Tuesday evening, the former came out victorious, with two games to one. Six games remain to be played before the results can be ascertained.

At Washington.

The Washington Florists' Club bowling team played a picked team of District of Columbia bowlers July 6, winning two games out of three. In the first game the district won by 35 points; in the second the florists by 6 points and in the third the florists by 102 points.

S. E.

At Philadelphia.

The employes of H. H. Battles' city stores, The Century Flower Shop and the store at 108 South Twelfth street, formed respectively the "City team" and the "Hustlers" and played base ball at Thornhedge, Mr. Battles' country place near Newton square. It was a very strenuous affair. "Georgie" Rauch started in to pitch for the city chaps, but the hustlers got onto his curves and he only lasted for two innings. Then he moved over to first base, where his magnificent proportions and great agility enabled him to capture anything within a radius of twenty feet. Jasper Larmer handled the big mit and saw that nobody stole second. Frank Goue showed his knowledge of the game by making the journey round the bases while the country gentlemen were trying to find the ball in the far fence corner. The score, 7 to 4, was against the hustlers.

The sixth and last of the matches in the convention tournament on outside



BATTLES' EMPLOYES BASEBALL TEAM AND ROOTERS, PHILADELPHIA, PA.

alleys was rolled on the Central alleys, Wednesday, July 6. The scores were fair. Yates had high game with 200 and high total with 560 in the three games. Robertson's team won as usual. The point winners were Yates 3, Kift 3, Anderson 3, Robertson 3, Watson 2, Adelberger 2, Connor 1, Harris 1. The wind-up will be rolled on the home alleys Wednesday, July 13. The score follows:

PLAYER.	1st	2d	3d
Anderson.....	177	164	159
Connor.....	135	175	147
Kift.....	160	179	181
Harris.....	128	157	103
Nosgih.....	157	132	178
Total.....	757	808	768
PLAYER.	1st	2d	3d
Robertson.....	153	153	178
Adelberger.....	176	128	161
Watson.....	178	151	171
Westcott.....	97	142	147
Yates.....	172	188	200
Total.....	776	762	857

K.

San Francisco.

Business although not brisk is moving along better, and there is not much surplus stock to be seen. Prices of flowers are keeping up fairly well. The best Bride and Bridesmaid are bringing 50 cents per dozen. Carnations, such as Enchantress, Prosperity and other fancy varieties are bringing 35 and 50 cents per dozen; other varieties 15 to 25 cents. Beauty roses are \$1 to \$3 per dozen. Lilium album and rubrum have made an appearance in the market and command a good price, readily selling at \$2.50 per dozen. Sweet Sultans are also in and bring \$1 per 100; sweet peas are still holding on, and sell from 35 to 75 cents per dozen bunches.

Emblems of the Knights Templars and also of the Odd Fellows are to be seen in Golden Gate park and some of the public parks in the city. Very much credit is due to the one who has superintended the work. The work is being done for the Knights Templars' conclave, which is to take place in September, and that of the Odd Fellows which is to follow. Great preparations are being made for both, and there will undoubtedly be a vast sum of money expended. Several florists already report having received contracts for large decorations.

Podesta & Baldocchi are making extensive alterations in their store. The entire front has been torn out and is being replaced with modern show windows. The interior of the store is also getting an overhauling.

Attilio Ginocchio, who up to recently was employed by Frank & Parodi Company, committed suicide by taking carboic acid.

P. C. Meyers reports having already planted 60,000 chrysanthemum plants. He intends to plant 40,000 more.

Henry Pottet has leased his place to F. Rosa. Mr. Pottet has gone to Sonoma county for his health.

J. Seulerger, of Oakland, is taking a few weeks' rest in the Yosemite valley.

P. J. Thorsted, of Fruitvale, is in with a full crop of Enchantress carnations.



NEW YORK FLORISTS' CLUB OUTING.

(Finish of one of the men's races, John Scott a good second.)

A store has made an appearance at 428 Sutter street, opened by Misses Glover & Long. A. J. R.

Toronto.

This market is not suffering from the proverbial lack of business which is usually attached to July. A number of prominent citizens have passed away and there have been a few belated weddings and other minor affairs. Roses still hold up fairly well and the demand about uses up the supply. American Beauty has shortened up some but the quality is still very good. Carnations are even more plentiful than a few weeks ago. Large quantities can be had at easy prices. The latest acquisition to the market is *Lilium candidum*; which is especially fine. The foliage is very clean, not showing the disease this variety is usually subject to. Outdoor sweet peas are becoming plentiful. Lily of the valley is still scarce. Green goods are plentiful.

Notwithstanding the hard winter coreopsis, gaillardias, delphiniums and other outdoor flowers are of good quality.

Ed. Sinclair is off for his holidays. Ed. is one of the fortunate ones who can make his vacation extend two months. What a glorious time some of us would have if we could do likewise. The holiday fever is epidemic and most of the city establishments are at present short two or three employes.

Dunlop had the decoration for the Fielding banquet at the King Edward hotel. Politically it was one of the most important ever held in this city. Artistically it was equally successfully. Red and white were the effective colors used.

The premium list for the chrysanthemum show, to be held under the auspices of the Gardeners' and Florists' Association, November 8-12 inclusive, has been prepared and the prizes offered are very liberal.

About seventy-five members of the Toronto Horticultural Society took a day's outing to visit the experimental farm at Guelph.

J. H. Dunlop and family have departed for their summer home, Rosebank.

H. G. D.

ROSE PLANTS.

Low Prices to Close Out.

STRONG STOCK FROM 2½-IN. POTS.

UNCLE JOHN The Finest pink rose yet introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	Per 1000
Mme. Chatenay.....	\$3.00	\$25.00
Sunrise.....	5.00	40.00
Liberty.....	5.00	40.00
Bridesmaid.....	2.50	20.00
Bride.....	2.50	20.00
Perle.....	2.50	20.00
Golden Gate.....	2.50	20.00

FROM 3-INCH POTS.

American Beauty.....	\$6.00	\$50.00
Mme. Chatenay.....	5.00	40.00
Bridesmaid.....	3.50	30.00
Bride.....	3.50	30.00
Perle.....	3.50	30.00
Golden Gate.....	3.50	30.00
La France, 4-inch...	5.00	40.00

2-YEAR OLD PLANTS FROM BENCHES.

American Beauty.....\$5.00 \$40.00

1-Year Old Bench Plants.

Liberty.....	\$5.00	\$40.00
La France.....	5.00	40.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., CHICAGO.



NEW YORK FLORISTS' CLUB OUTING.
(A close finish in one of the women's races.)



NEW YORK FLORISTS' CLUB OUTING.
(Watching the finish in one of the girls' races)

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Printed Matter and Postage.



THE American Florist Company's Directory saves many times its price to every one who catalogues or circularizes even a small part of the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 412 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

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324 Dearborn St.
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SEASONABLE STOCK. ORDER NOW!

Table listing various plants like ASPARAGUS DECUMBENS, CYCAS STEMS, FERNs, etc. with prices per 100 or per 1000.

Table listing plants like LEMON, PANDANUS UTILIS, ROSES, etc. with prices per 100 or per doz.

VAUGHAN'S SEED STORE, CHICAGO. GREENHOUSES AND NURSERIES, WESTERN SPRINGS ILL.

2-YEAR OLD American Beauty and Liberty Plants. Have a few hundred of each left. Write GEO. A. KUHL, Pekin, Ill.

Grafted Roses. Bride, Bridesmaid, Golden Gate, Kaiserin, Woolton, 4-inch. \$20.00 per 100; 2-inch, \$15.00 per 100. GEORGE L. PARKER, Washington cor. Rockwell St., Ward 24, BOSTON.

NEW SCARLET CARNATION The Cardinal. AN IMPROVED ESTELLE. Winner of prize for best 100 scarlet carnations at the Detroit meeting. CHICAGO CARNATION CO., Joliet, Ill. S. S. SKIDELSKY, Philadelphia, Pa. E. G. HILL CO., Richmond, Ind.

H. Weber & Sons, Carnations Oakland, Md. Please mention the American Florist when writing.

50,000 GRAFTED ROSES. READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN. LIBERTY, 3 1/2-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN GATE, KAISERIN, 3 1/2-inch pots, \$15.00 per 100. J. L. DILLON, Bloomsburg, Pa.

LAWSON Field-grown plants, extra strong, \$50.00 per 1000. WEILAND & RISCH 59 Wabash Ave., CHICAGO. Loomis Floral Co., CARNATIONS, Loomis, Cal.

CHRYSANTHEMUMS. STRONG, COOL CROWN STOCK. Polly Rose, Glory of Pacific, Maj. Bonaffon, White Bonaffon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. H. N. EATON, Agent, SO. SUDBURY, MASS.

GET IN THE SWIM No Crop More Profitable. GARDENIAS THE TRUE FORCING VARIETY. WE HAVE Very Fine Plants. 3-INCH POTS. 4-INCH POTS. Now is the Time to Plant. SEND FOR SAMPLES. JOHN BURTON, Assignee ROBERT CRAIG & SON, 49th & Market Sts., PHILADELPHIA.

NEED A FIRST-CLASS Commercial White? FRED. BURKI IS THE ONE. Has scored 88 points at the Detroit Carnation Convention and has been awarded a Certificate of Merit.

25,000 Eaton, Appleton, Ivory, Maud Dean, Bonaffon, Mrs. Murdock, Mrs. Coombes, Jones and many more kinds from 2 1/4-inch pots, \$2.25 per 100. COOLIDGE BROS., So. Sudbury, Mass.

John Murchie, S. S. Skidelsky, SHARON, PA. 824 N. 24th St., Philadelphia. Orchids! Large shipments arrived in superb condition. Lager & Hurrell, SUMMIT, N. J. Orchid Growers and Importers.

MOLLER'S DEUTSCHE GARTNER ZEITUNG. The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. 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

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

Freesia Bulbs.



CALIFORNIA GROWN.

Mammoth, $\frac{3}{4}$ -inch and up, per 100, 80c; per 1000, \$7.00.

Choice, $\frac{1}{2}$ to $\frac{3}{4}$ -inch, per 100, 65c; per 1000, \$5.00.

First Quality, $\frac{3}{8}$ to $\frac{1}{2}$ -inch, per 100, 45c; per 1000, \$3.00.

Samples mailed on application.

Vaughan's Seed Store,

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

GERANIUMS...

Rooted Cuttings. Fall Delivery.

Send for list of varieties now. You not only get a reduced price for early orders, but the cuttings can be shipped when just right.

Good cuttings will make good plants. I am going to give you good cuttings and want your orders whether for 100 or 20,000.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

BEGONIA

Gloire de Lorraine.

July Delivery, 2-in. pots, \$12.00 per 100.

Just Received large Importation

CATTLEYA GASKELLIANA

Inquire for Prices.

Julius Roehrs,

EXOTIC NURSERIES, Rutherford, N. J.

BEGONIA REX

Extra fine stock in good assortment.

From 3-inch pots, \$5.00 per 100.

Asparagus Tenuissimus, 2-inch, pots, \$3.00 per 100.

Asparagus Plumosus, From 2-inch pots, \$4.00 per 100.

NATHAN SMITH & SON,

ADRIAN, MICH.

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Mary 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.

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WHEN WRITING ADVERTISERS

HYDRANGEAS

For Summer Blooming.

We have a magnificent lot of Hydrangea Otaksa grown especially for

JULY AND AUGUST FLOWERING.

The plants are just coming into bloom, just beginning to show color and will be in perfection during July and August, when they are in great demand at watering places and other summer resorts. There is nothing showier or more satisfactory for lawn decoration. We make a specialty of them, and find an increasing demand for them from year to year. They can be shipped anywhere safely by freight.

Large plants in tubs with from 12 to 15 flowers each, \$2.00 per tub. Larger plants in half-barrels, \$5.00 each.

We have also a fine stock of

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Standard and Pyramids, at \$10.00 and \$15.00 each—according to size.

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PRIMROSES.

Per 100

Chinese, 2-inch pots.....\$2.00
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Forbesi, all ready July..... 2.00

Asparagus Plumosus Nanus Seeds, per 1000, \$4.50

Cash or C. O. D.

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Per 100

Plumosus Nanus, Seedling.....\$1.75
" " 2-inch, July..... 2.50
Sprengeri, \$18.00 per 1000..... 2.00
Pansy Seed, July..... per ounce, \$4.00

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SMILAX

Strong plants from 2 1/4-inch pots, \$1.25 per 100; \$10.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2 1/4-inch pots, \$2.50 per 100 \$24.00 per 1000.
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DAVIS BROS., Morrison, Ill.

SMILAX, 1,000 fine, clean plants, \$18.00 per 1000. 500 at 1000 rate, cash. Sample 5c.
JOHN BEIMFORD, White Junction, Iowa.

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Strong, 2 1/4-inch, \$5.00 per 100; \$40.00 per 1000. 250 at 1000 rate. Satisfaction guaranteed. Cash with order please.

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Strong, healthy plants. Per 100 1000
2 1/4-inch.....\$6.00 \$50.00
3-inch..... 8.00 65.00
Terms cash. Satisfaction guaranteed.

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Strong, 2 1/4-in., \$6.00 per 100; \$50.00 per 1000
Strong, 3-inch, 8.00 per 100; 65.00 per 1000
25 at hundred rate. Terms cash. Satisfaction guaranteed.

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3-inch, \$8.00; 4-inch, \$12.00 per 100.
I can now offer seed of my well-known extra fine strain, new crop in 5 standard colors. Per 100 seeds, 75c; per 1000, \$6.00. Special prices on larger quantities.

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Cabbage. Flat Dutch, Drumhead and Sure-head, fine, 75c per 1000. **DOUBLE HOLLYHOCKS**, strong, for early blooming, separate colors, 3c; mixed 2c. Cash. Adams and U.S. Exp. **BYER FLORAL CO.,** Shippensburg, Pa.

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Asparagus Plumosus Nanus.

We offer Flats of Asparagus in which 1000 seed were originally sown, now contain from 800 to 900 fine Seedlings ready for 2 1-2-inch pots at \$10 per flat.

2 1-2-inch Asparagus - - \$3.00 per 100

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Cannas. Fine and bushy in 4-inch pots, Martha Washington, Souv. de Antoine Crozy, Florence Vaughan, Mme. Crozy and Austria, at \$4.00 per 100.

SMILAX, 2 1-2-in. pots, \$2.50 per 100; \$20 per 1000.

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Boston Ferns.

\$5.00 per 100; \$40.00 per 1000, cut from bench.

ANNA FOSTER FERNS, \$5.00 per 100; \$40.00 per 1000, cut from bench. Larger plants 25c to 50c each **ASPARAGUS PLUMOSUS NANUS**, 4-inch, \$10.00 per 100. **KENTIA PALMS**.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Boston Ferns.

2 1/2-inch, \$1.00; 3-inch, \$3.00; 4 inch, \$15.00; 5-inch, \$25.00 per 100. 6-inch, 40c; 7-inch, 80c; 8-inch, 75c each.

PIERSONI, strong rooted runners, reduced to \$2.00 per 100.

DAVIS BROS., MORRISON ILL., and GENEVA, ILL.

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ROSES, from 3-inch pots, **CARNATIONS**, for all delivery, **CHRYSANTHEMUMS**, **SMILAX**, **VIOLETS**. **In Best Varieties**

Prices Low. Send for List.

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From pots. Now ready.

Marie Louise, Lady Campbell and Princess of Wales, \$20.00 per 1000. **IMPERIAL**, best dark variety \$25.00 per 100. **COLEUS**, 2 1/2-inch, \$3.00 per 100; \$5.00 per 1000. **LOBELIA**, 3-inch same rate. **MARGUERITES**, 4-inch, \$6.00 per 100.

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I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

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CARNATIONS All the standard kinds for fall delivery.

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Latania Bor., 2-in. pot,	seed leaves..	3.00
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" " 5-in. pot, 18-20 in.,	3-4 chr. lvs.	15.00
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Kentia Bel., 2 1/2-in. pot,	8-10 in., 2-3 leaves..	12.00
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Asparagus Plumosus Nanus,	2-inch.....	2.50
" " 3-inch.....		5.00

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BOSTON FERNS.

2 1/2-in. 3c; \$30.00 per 1000. 3 1/2-in. 7c; \$70.00 per 1000.

Piersoni

3 1/2-in., 10c; \$100 per 1000. 5-in., 25c; \$25 per 100. 6-in., 35c; \$35 per 100.

Asparagus Plumosus Nanus, strong, 3 1/2-in., from bench, ready for 4-in., 7c; \$7 per 100; \$70 per 1000. Cash with order, please.

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BOSTON FERNS, short and bushy, each, 50c; per dozen, \$6.00; per 10, \$15.00.

PIERSONI FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

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From 5-inch pots, \$3.00 per dozen.

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Cut from Bench, \$4.00, \$8.00, \$14.00 per 100.

Fine stock to pot.

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HAVE AN EXTRA NICE LOT OF

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in 10-inch pans; also in 6 and 7-inch pots, as well as all other sizes from 2 1/2-inch up.

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5 1/2-inch pots, 3 to 4 tiers 10 to 12-inches high, 50 to 80c; 12 to 15 inches high, 3 to 4 tiers, 75c; 15 to 18 inches high, 3, 4 to 5 tiers, 85c.

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ASPARAGUS PLUMOSUS, 3-in. pots, strong, \$8.00 per 100.

CYCAS REVOLUTA, 8, 7 and 8-inch pots, from 5 to 20 leaves at 80c per leaf.

FIGUS ELASTICA, (Belgium), 4-inch pots, 25c. **Homa Crown Rubbers**, 5 to 5 1/2-inch, 7, 8, 9 and 10 leaves, 30c, 35c, 40c, 50c.

Cash with order please. All goods travel at purchasers' risk.

Godfrey Aschmann, Wholesale Grower and Importer of Pot Plants.

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KENTIA BELMOREANA and **FORSTERIANA PALMS**, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

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ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100. **GERANIUMS**, 2-in. pot plants Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Sallerol, Poitevine, \$2.50 per 100. 3-inch, \$5.00 per 100.

2 1/2-inch **VINCA VAR.**, **LOBELIA**, **SALVIA**, **COLEUS**, **ALTERNANTHERA**, red and yellow Single and Double **PETUNIA**, **HELIOTROPE**, Golden Gate and Bridesmaid **ROSES**, **DRACAENA INDOVISA**, **VERBENA**, **LEMON VERBENA**, \$2.00 per 100.

CASH OR C. O. D.

Asparagus.

	Per 100	Per 1000
PLUMOSUS NANUS	\$3.00	\$25.00
PLUMOSUS ROBUSTUS	5.00	
DECUMBENS	3.00	
SPRENGERI	2.00	15.00

SMILAX.

Well-grown and properly packed.. 1.50 12.50
Special prices on lots of 10,000 or over.

We use a light friable soil that can be shaken off without injury. If you wish to save express charges state when ordering "without soil." Samples mailed for 5c per plant.

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Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana

For our prices see page 551, Nov. 7th issue,

We Are Selling

RIGHT ALONG TO FLORISTS WHO APPRECIATE THE VALUE OF HUSTLING FOR BUSINESS, ALL THE YEAR ROUND.

IN SUMMER there is a steady sale for Flower Vases, Jardinières, Sheaves, Cycas Leaves and Wreaths and all the thousand and one Sundries that we keep in stock all the time to accommodate every want. All orders, however small, receive careful attention.

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Tin Foil

Plain, Fancy. Printed & Mounted.

Manufactured by

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CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No. 0.	3x 4x20.....	\$2.00	\$19.00
" 1.	3x 4½x16.....	1.90	17.50
" 2.	3x 6x18.....	2.00	19.00
" 3.	4x 8x18.....	2.50	23.00
" 4.	3x 5x24.....	2.75	26.00
" 5.	4x 8x22.....	3.00	28.50
" 6.	4x 8x28.....	3.75	36.00
" 7.	6x16x20.....	5.50	54.00
" 8.	3x 7x27.....	3.00	28.50
" 9.	5x10x35.....	6.50	62.00
" 10.	7x20x20.....	9.50	87.50
" 11.	3½x5x30.....	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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BOX 104. COLUMBUS, OHIO.

Fumigating Kind Tobacco Powder
KILLS ALL APRIS IN ONE NIGHT
In a house 100x25 ft., at a cost of 10c. A 5 lb. trial pkg. will cost 4c. Our booklet tells of it. Write Dept. C for it.
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NICKEL PLATE.
The New York, Chicago & St. Louis R.R.
NO EXCESS FARE ON ANY TRAIN

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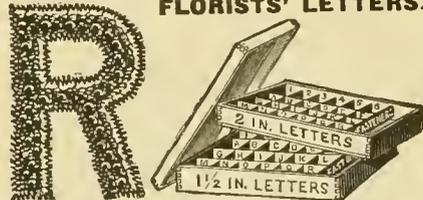
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MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST NEW YORK CITY

M. RICE & CO.,
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Leading Florists' Supply House and Ribbon Specialists. 918 Filbert Street, Philadelphia, Pa.

FLORIST Plain, Violet, Rose
MADE BY
F FOIL
The John J. Crooke Co.
155 Ave. D, NEW YORK. 149 Fulton St., CHICAGO.

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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.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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Manufacturers and Importers of

METALLIC. NATURAL PRESERVED Funeral Designs AND ARTIFICIAL

Chiffons, Cycas Leaves and all other Supplies, also Preserved Palms and Artificial Flowers.

LIGHTNING FLOWER POT WASHER.
Washes all sizes of pots, clean as new, about as fast as you can handle them. **Strong Plants are only grown in Clean Pots.** Send for description. Sold direct \$15.00 net F. O. B. Joliet.
C. E. FINLEY Joliet, Ill.

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THOMSON'S
CELEBRATED
MANURES
(Vine, Plant and Vegetable and Special Chrysanthemum)
Are the result of many years' PRACTICAL EXPERIENCE
And have been used by Gardeners all over the world for over a QUARTER of a CENTURY
Are perfect plant foods and stimulants. Are becoming more popular every year.
Freight paid on quantities. Most liberal terms to the trade.
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Wm. Thomson & Sons, Ltd
TWEED VINEYARD.
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PURE SHEEP MANURE

Dried, Unpulverized and Pulverized.

—WRITE FOR PRICES.—

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For Sale by all Wholesale Houses.

Koral Mfg. Co.,
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GREEN SILKALINE.

Do not be put off with cheap substitutes.

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Cape Flowers, all colors,
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10,000, \$1.50; 50,000, \$6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample Free. For sale by dealers.

BAMBOO CANES

\$6.00 per 1000.

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Address **EDITORS OF THE "H. A."**
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AM. FLORIST Co.—It gives us pleasure to say that each year we have traced business resulting from our advertisement in the AMERICAN FLORIST, this being our second year advertising in your paper. Our contract for the year with you ends soon and we expect to renew the same for another year.

ALBANY STEAM TRAP COMPANY.

Standard Flower Pots

The **WHILLDIN POTTERY COMPANY,**
PHILADELPHIA PA. JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.
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,

27th and M Streets WASHINGTON O C

Please mention the American Florist when writing



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.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY.,

HARRY BALSLEY, Rep. DETROIT, MICH., 490 Howard St.,

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RED POTS

SAMPLE POT AND PRICE LIST
ON APPLICATION.

C. C. POLLWORTH CO., MILWAUKEE, WIS ...

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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.

Over \$70,000

Has been paid by the **FLORISTS' HAIL ASSOCIATION** for glass broken by hail. For particulars address

JOHN G. ESLER, Sec'y, Saddle River, N. J.

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THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

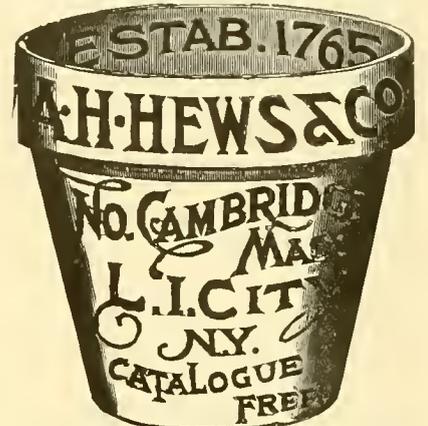
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Subscription to the United States, \$4.20 per year. Remittances to be made payable to H. G. COVE.

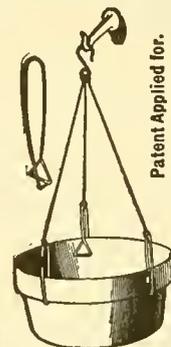
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Kramer's Pot Hangers



Patent Applied for.

THE neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them. For Sale by

Vaughan's Seed Store,
Chicago and New York.
E. F. Winterson Co.,
Chicago.

C. C. Pollworth Co.,
Milwaukee, Wis.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

L. N. KRAMER & SON, Cedar Rapids, Iowa.

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	60 8	3.00
1500 2 1/2 " " 5.25			
1500 2 1/2 " " 6.00			
1000 3 " " 5.00	48 9-in., in crate, \$3.60		
800 3 1/2 " " 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	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.



"Eureka" Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

Vaughan's Seed Store,
CHICAGO: NEW YORK:

84-88 Randolph St.

14 Barclay St.

Detroit.

The club meeting the evening of July 6 brought out a good attendance and an interesting session was held. The plan entertained for some time to secure quarters in the new Michigan Cut Flower Exchange building was much discussed, but definite action was deferred to a meeting in the near future. Much interest was shown in the S. A. F. meeting at St. Louis. It is pretty certain the delegation from here will be a large one, going via the Wabash railroad in a special car. The annual summer outing to Bois Blanc island on July 20 is looked forward to with much interest, and a splendid programme of amusements is being prepared, the chief feature of which will be a ball game between the east and west side florists. The entire arrangements are in the hands of the entertainment committee, consisting of E. S. Beard, John Dunn, Bug. Oestreicher, Walter Taepke, Hugo Schroeter and Norman Sullivan. J. F. Sullivan, who had just returned from an extended visit in the east, gave a review of his observations.

President Philip Breitmeyer of the S. A. F., together with Wm. Dilger, L. Bemb and J. Kohler, started Sunday morning, July 9, by boat on a pleasure trip to Put-in-Bay, Sandusky, Cleveland, Painesville, O., and Buffalo. Mr. Bemb took along his automobile, which will be used to make side trips from the places named. A most enjoyable trip is contemplated. Their return home is expected July 16.

Edmund S. Beard, ex-president of the Detroit Florists' Club and one of the most popular of its members, was married July 7 to Miss Cassie E. Allen. The happy couple are enjoying an extended tour among the upper Michigan lake resorts. On their return they will take up their residence on the Beard Brothers' premises, West Fort street.

August Von Boeselager, of Mount Clemens, is completing a house, 30x100, which will be used for violets. He has already planted one house with carnations. He is also building a handsome dwelling, which confirms the rumor that the nuptial bells will sound for him in the early fall.

Mrs. John Carey, Mount Clemens, started July 7 for Denver, Col., with her daughter, Miss Belle, who is in ill health. Mr. Carey accompanied them as far as St. Louis, where he spent a day on the Pike before his return home.

The Michigan Cut Flower Exchange building on Miami avenue is rapidly approaching completion, and Manager Wm. Dilger expects to be able to move into the new quarters by October 1.

John M. Brown, of Louisville, Ky., about whose enterprise, called the Nurserymen's and Florists' Surplus Association there seems to be some uncertainty, visited the trade here this week.

James Mitchell, the Garfield avenue florist, has deserted his place of business and can not be found by those interested. It is rumored his destination is South America.

Geo. Reynolds, Grosse Pointe, left July 4 for a visit to his home in England. He sailed on the S. S. Teutonic. Returning, he will leave Liverpool August 3.

Wm. Dilger visited Toledo and Bowling Green last week. Philip Breitmeyer accompanied him to Toledo, where he visited Geo. Heinl.

Robert Flowerday, Jr., is recovering from a serious attack of typhoid fever.

Visitors: S. S. Skidelsky, Philadelphia. Harry D. Byers, Dayton, O.

J. F. S.



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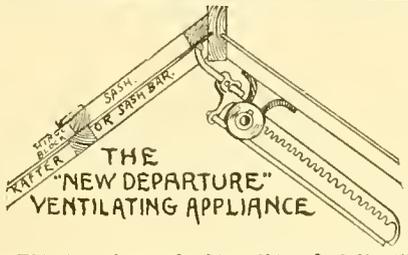
National Florists' Board of Trade,
Office: 56 Pine Street, New York.

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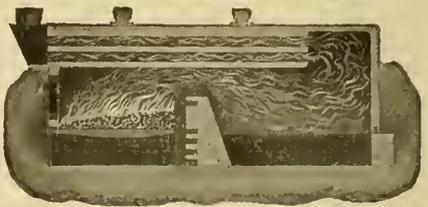
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JOLIET, ILL.—We are in receipt of the preliminary premium list of the chrysanthemum show of the Joliet Improvement Association, which will be held next November. Copies may be had on application to James H. Ferriss, corresponding secretary, Joliet, Ill.

ANOKA, MINN.—Carnation planting is well under way, at the establishment of the Pratt-Ford Greenhouse Company, several benches being already planted. Lawson and Enchantress do better grown inside here. Carnations in the field are much better than last year. H. E. Philpott, of Winnipeg, Man, found time to make a pleasant call here. He has just returned from St. Louis.

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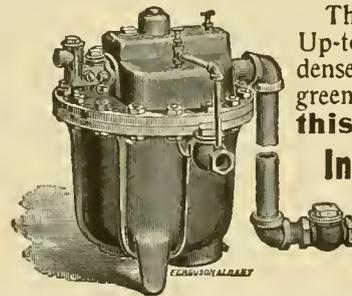
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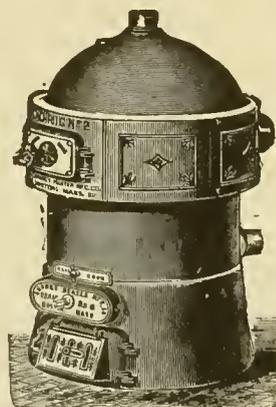
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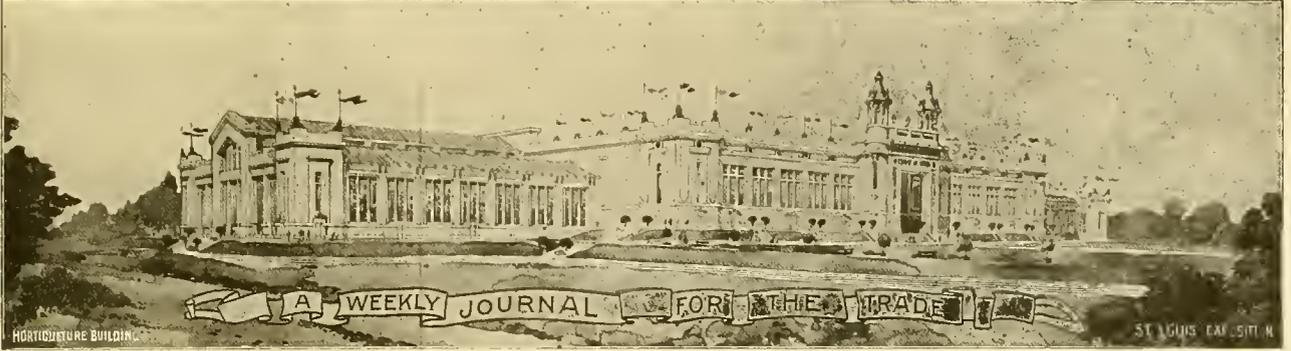
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Vol. XXII.

CHICAGO AND NEW YORK, JULY 23, 1904.

No. 842.

THE AMERICAN FLORIST

NINETEENTH YEAR.

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AMERICAN FLORIST COMPANY,

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Volumes half-yearly from August, 1901.

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Room 11, Boston, Mass., secretary; H. B. BEATTY,
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ing at St. Louis, Mo., August 16-19, 1904.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Chicago, 1905. ALBERT
M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass.,
1905. LEONARD BARRON, 136 Liberty St., New
York, secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November,
1904. FRED H. LEMON, Richmond, Ind., secretary.

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U. S. Department of Agriculture Notes.

The work of constructing the range of greenhouses for the United States Department of Agriculture at Washington, D. C., is rapidly progressing. Chief Gallo-way, of the Bureau of Plant Industry, who has this work in charge, reports that the new greenhouses will probably be finished by September 1 next. Lord & Burnham have the contract. The new range consists of eight even-span houses, each 142 feet long, brick walls and iron framework, connected on the ridge and furrow plan. The houses are to be of the best modern construction and are to be heated by steam, which will probably be secured from a large power plant near by. It is the plan of the department officials to conduct some interesting experiments in this matter of securing steam from a separate establishment. Probably the steam will be bought on a meter basis, and thus figures can be secured which will be of interest to others where large power plants are in proximity to greenhouses. These new houses will be another Washington monument to the construction ability of the Lord & Burnham Company. Their representative, Thomas W. Burns, has won good opinions during his stay here.

Besides the houses that are being put up by Lord & Burnham the department will construct several itself and will move some of the old ones to the new location. The new greenhouses are being constructed on the north side of the grounds in order to give space for the projected new buildings of the department, which will go on the south side of the grounds. The north side of the grounds has heretofore been of little value on account of its lowness, but this is being remedied by extensive work in grading and filling, the soil being secured from the foundations of the new buildings being erected for the national museum near by. It is proposed to raise this ground about three feet, grade it carefully and naturally, and use it as an ornamental testing garden for shrubs, hardy herbaceous plants, bulbs, annuals and other things. This garden will be within two blocks of Pennsylvania avenue. It is planned to pay heed to landscape effects in laying out the beds for the plantations rather than use the ordinary nursery rows. Complete collections of bulbs, hardy herbaceous perennials, annuals and other things will be grown here in such a way that the value of the different types can be determined, as will be seen growing side by side.

Harry Boyle, of the Bureau of Plant Industry, has just returned from Florida, where was sent for the purpose of introducing a number of new varieties of mangoes, which have recently come to the department through its seed and plant introduction work. Under the direction of the chief of the bureau G. W. Oliver has been making a special study of mangoes, particularly their propagation, and has accumulated a number of very fine varieties in the propagating houses at Washington. The sending of Mr. Boyle to Florida was a part of the plan to give these new fruits a wider distribution. The mango is rapidly coming into prominence in Florida as a valuable fruit, and extensive plantations have been made. The great desideratum has been the securing of better edible types. Many of the native seedlings are poor in quality. The mango and mangosteen, in southern Florida, promise to be acquisitions of much value. The mango especially is a prolific bearer, the fruit ships readily and there is a growing demand for it. The tree is classified as *Mangifera Indica*, in horticultural works, mango being the Hindoo name of the fruit.

At a meeting of the officers of the department the following resolutions were adopted on the death of Col. Brigham:

We have learned with profound sorrow of the death of Colonel Joseph H. Brigham, late assistant secretary of this department. During a service of over seven years as assistant secretary, Colonel Brigham, by his qualities of heart and head, deserved and gained the confidence and esteem of all with whom he had official relations. In addition, he won and held the personal regard of all who knew him. The lasting achievements of his busy life, especially in his services to agriculture, have won for his name an enduring renown—no less marked than the love and affection which follow him to the grave. We desire that a copy of this memorial be given to the bereaved family as a mark of our sympathy and a token of our regard.

In addition to public services mentioned in a previous issue of the AMERICAN FLORIST, Col. Brigham was sent to Paris in 1899 to investigate agricultural conditions abroad.

S. E.

Kentucky Prices.

The Society of Kentucky Florists enjoyed a very pleasant time at River-view park recently, taking supper on the grounds. The subject of advancing the price of plants was discussed but no agreement reached. Geraniums have sold here for \$1 per dozen for years, in 4-inch and 4½-inch pots. Some of the florists wish to increase the price to \$1.50 per dozen at retail. This seems little enough

when they have to be planted without extra charge.

The price of cut flowers was taken up, but one well-to-do florist said he could not get the prices the stores charged, and always sold fifteen to fifty per cent cheaper than the stores to get the orders, as otherwise he thought the people would go to the stores. Another florist, at not nearly as convenient a place for selling at retail, said he had no trouble in getting the highest market price for what he had to sell at retail as well as wholesale.

H. G. W.

Ferdinand Mangold.

"At the parish of the Annunciation, One hundred and Thirty-first street and Broadway, New York city, by the Rev. Arthur J. Donnelly, on July 9 (1854), Ferdinand Mangold to Adaline, daughter of John P. Wahl, Conondahn on the Rhine, Germany." Such was the announcement of fifty years ago, and on the fiftieth anniversary, July 9, 1904, Mr. and Mrs. Mangold held a reception at their home at Lyndhurst, Tarrytown, N. Y., where many of their friends and relatives gathered to offer congratulations. The weather was very auspicious and the tables of good things were spread on the lawn in front of the cottage. The decorations were American flags and Japanese lanterns. It was a very memorable occasion, and one and all enjoyed themselves immensely.

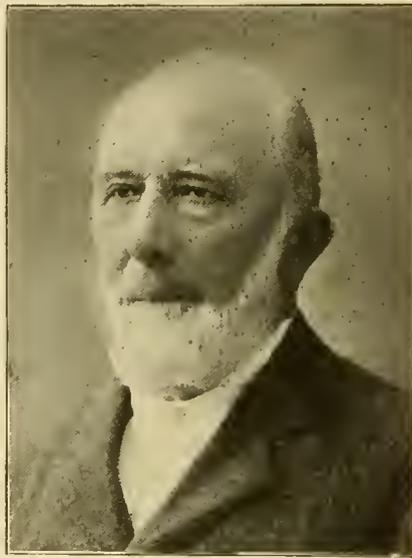
Mr. Mangold is the able and esteemed superintendent for Miss Helen Gould, and very few men can show such a record for service. He came to Lyndhurst forty years ago as gardener to George Merritt, who then owned the place. At that time it was in a rough, primitive state, and the work of construction, grading and road making was intrusted to Mr. Mangold. That he was fully competent for the task is well borne out by the condition of the place to-day. There are very few places along the Hudson river that can vie with it.

Twenty-five years ago the late Jay Gould, of international financial repute, purchased the estate and retained Mr. Mangold as superintendent. Mr. Gould's love for plants and flowers was very keen. Large, extensive conservatories were built, like Solomon's temple, "wonderfully and fearfully erected." Their architectural features were more showy than useful. As a beautiful range of greenhouses they have few equals to-day. There is nothing of the commercial cut about them, neither are they used semi-commercially—namely, for cut flowers only, like so many of the greenhouses of wealthy men and women. They are almost entirely devoted to plant growing, and at the present time they contain one of the most extensive botanical collections to be found in America. The object of the present article, however, is not of the place, but rather of the man. The late Jay Gould had a marked admiration for Mr. Mangold, and in his last will substantially remembered him. The gifted and noble woman who has succeeded to her father's property would feel it a sacrilege to allow the plants so much beloved by her late father to suffer from want of proper care. In Mr. Mangold she has implicit confidence, and all the work on the estate is under his entire charge, and in all estate work and much charity he is counsellor and advisor.

Ferdinand Mangold was born in the city of Carlsruhe, in the Grand Duchy of Baden, October 9, 1828. When fourteen years of age he entered the botanical gardens as an apprentice and remained there

for nine years, a portion of the time being employed on the grounds of the castle then occupied by King Leopold. Later he was superintendent in the park. His apprenticeship diploma is signed by Garden Director Heldt. In 1852 he came to this country, and before coming to Lyndhurst was engaged for several years as superintendent for Gen. Mansfield Bradhurst at Carmansville, N. Y.

Mr. Mangold is a unique figure in the Tarrytown vicinity. His life has been one of activity and push. He has occupied several public offices of importance in the township administration, and is respected by rich and poor alike. He has always worked with those under him with firmness and consideration, and as evidence of the smoothness of his administration it may be noted that Mr. Bergen, the foreman in the greenhouses, has worked under him for thirty-six years, and Mr. Bing, the foreman in the vegetable garden, has been with him thirty-



Ferdinand Mangold.

eight years. Many of the other employes are also growing old in their service.

Besides the congratulations there were also many substantial tokens of respect. Miss Gould sent her card, with the following note: "To Mr. and Mrs. Mangold, with good wishes from Helen Miller Gould on their golden wedding anniversary." She also sent a beautiful gold clock and \$100 in gold. There was also a gold loving cup from the employes, with suitable inscription. F. R. Pierson brought a beautiful clock and candelabra to match. There were easy chairs from prominent citizens, and enough in the way of gold and gilded articles to set up another household.

Mr. and Mrs. Mangold are both hale and hearty, and both cheat time in their appearance and fleetness. We are sorry that we have not a picture of Mrs. Mangold, but that worthy lady, with becoming modesty, has refused most positively to have her picture published.

TRAVELER.

PORTSMOUTH, O.—The Herms Floral Company by early fall, expects to operate its entire business from the farm a few miles north of the city. The Ninth street greenhouses will be torn down and moved to the farm, where all stock will be raised and sold.

CHRYSANTHEMUMS

Mulch For Exhibition Stock.

The early planted or exhibition cut flower stock is now showing signs of needing a light mulch. The roots are creeping out all over the surface of the beds, which means that mulching must be attended to. This stock, planted with the object in view of producing exhibition blooms, must not suffer through neglect. It is intended to produce perfection, consequently extreme culture should be the point in caring for it, but at the same time use a little common sense so as not to overdo it. The plants are pushing along so fast it keeps one hustling to keep ahead of them. What with watering, syringing and keeping the side shoots picked out, anyone who has a house of chrysanthemums to attend to is a busy bee just now.

Picking out the side shoots is the most important work connected with the culture of exhibition stock at the present time. Most of the largest exhibition varieties need to be taken on the bud which can be selected from August 15 to September 1. To time the plants so they will produce the proper bud at about that time the work of keeping everything removed except the main growing shoot must be watched very closely now. Nearly all varieties will form a blind bud at this time. This must be removed and the side growth allowed to go on without any delay. If not, you will be waiting a week or ten days longer than you figured on for the bud to take to produce the flower. This in a great many cases means an inferior bloom.

Before putting on the mulch have all the plants neatly staked and tied and all weeds cleaned out of the beds. Then sprinkle on a light dressing of either wood ashes, bone meal or Clay's fertilizer. I prefer the latter at this time but have had excellent results when the pure wood ashes have been used. Clay's fertilizer being highly concentrated and having a lasting effect, it must be used more sparingly than wood ashes or bone meal. After putting the dressing on lightly scratch it into the soil but not deep enough to injure the roots of the plants. We are now ready for the mulch.

Using half well rotted cow manure the other half good, live, fresh soil, make a mixture as fine as it can be got, then spread it over the beds. The thickness of the mulch must be governed to a certain extent by the depth of the soil. If there is a good six inches of soil in the benches and the plants are in a satisfactory condition not as deep a mulch will be necessary as where less soil was used at planting. Allow the mulching to make up the deficiency. I had our exhibition stock planted into seven inches of soil this season. By settling and treading down a little while after planting this has got to be scarcely six inches deep. We have now put on a mulch as near to one inch deep as we could get it. We figure that this will hold it for a while without getting bare after two or three waterings. This should be the consideration when putting on a mulch, to make sure that it will not be necessary to renew again in a week or two. After applying the mulch water the beds thoroughly and from now on more care must be taken to prevent the soil becoming either too wet or too dry, the mulch preventing it drying out as quickly as before.

C. W. JOHNSON.

WITH THE GROWERS

John E. Andre, Doylestown, Pa.

Among the progressive growers of the Keystone state a prominent place must be accorded John E. Andre, of Doylestown, Pa. His establishment, illustrations of which are herewith given, contains 30,000 feet of glass, and most of the space is devoted to growing roses for the Philadelphia market. American



ESTABLISHMENT OF JOHN L. ANDRE, DOYLESTOWN, PA.

Beauty, Bride and Bridesmaid are Mr. Andre's specialties. The houses are heated with a steam system, and water is supplied from an artesian well 200 feet in depth. The photograph from which the view of the house of Bride roses was reproduced was taken three days before Easter of the present year. It speaks in silent yet forcible terms of the care and thrift with which rose growing is carried on in Mr. Andre's establishment.

Albert M. Herr, Lancaster, Pa.

Men are not idle here by any means. Three new tubular boilers are being installed, which will give ample heating power for all of the contemplated improvements of the next three years. The houses are being reglazed and painted, and the usual line of summer improvements made. The soil is being changed in the houses intended for carnations and stock geraniums just as fast as they can be gotten in shape, so that they may be ready for planting whenever the weather is about right.

Outdoor stock is looking fine, better than for any one of the past three years. Carnations planted out April 12 are as fine looking stock as any one could wish for. Stock planted out three weeks later, after the freezing weather, is in good shape, but not nearly so large as that planted and covered with a heavy snow few days following. For the past four years spring weather has been dry from April 15 to June 1. These plants were transferred to the open ground so as to catch one or two of the early April showers, and their condition shows that they caught them right.

Geraniums are quite a feature at this place, and like the carnations are planted by the acre. Both the carnations and the geraniums are planted in rows far enough apart to cultivate with a horse harrow, Mr. Herr claiming that better plants are produced by this method than to plant them close and work the soil with hand cultivators.

As secretary of the American Carnation Society nothing would please him better than to have every man who grows carnations join that society, and considering

that \$2 pays for joining and one year's dues, he thinks this would be no hardship financially and a great help to both joiner and the society.

How to Build a Greenhouse.

ED. AM. FLORIST:—We desire to build a greenhouse and wish to ask through the AMERICAN FLORIST how to do so. Our lot is 75x150 feet, west front, the land inclining to the west so

or mortar? We wish to construct the boiler room so it will be fire-proof. What kind of boiler should we use? Should we set the boiler on top of the ground or dig a pit for it? All other information which would be of value to us in building such a house we will be grateful for.

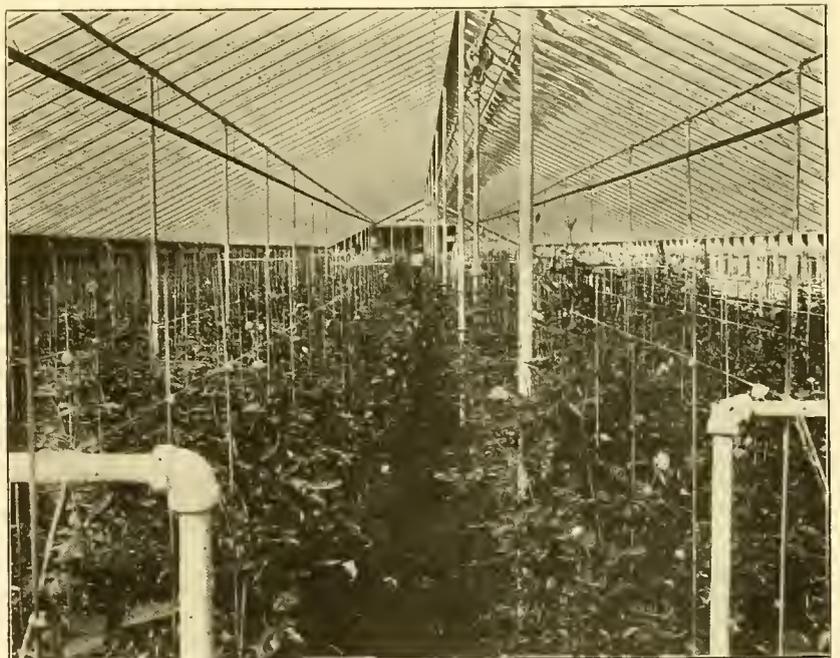
C. E. H.

It will be best to grade so that the ridge will not have a slope of much more than one foot towards the street. A house with a three-quarters span roof will be desirable if to be all under one roof, but the use of one wide house with the roof broken up into three even spans will be very satisfactory. If the latter form is used it will be advisable to have pipe posts, but a wall of hollow cement blocks will answer very well for a low wall. There will be little choice between hot water and steam for a house of this size. A tubular boiler may be used for either, or any of the greenhouse boilers. For a house of the width described there should be a ventilator three feet wide along the ridge and one two feet wide in each wall. If three narrow houses are constructed the ridge ventilators need not be more than two feet wide. It will not be advisable to grow all of the crops named in one house, and a cross partition will be necessary. Glass 16x20 inches is a good size. Five or six inches of soil will answer for carnations, but rather more than this is desirable for cucumbers. The time of sowing the cucumber seed will depend largely on the time the crop is desired for marketing. If to follow other crops, as is most common, the usual time is from January 1 to February 1. The walls of the boiler room can be of brick and the floor of cement. Slate or sheet-iron roofing can be used for covering the roof. If possible it will be best to have the boiler set low enough to have the top two feet below the coils.

L. R. T.

that the back of the lot is three feet higher than the front. The alley is two feet above the back of the lot. We want a house for a general stock of greenhouse and bedding plants, also ferns, and would like to grow some carnations and some roses to flower in pots. We would like to know whether to build on top of the ground or to grade to the level of the street in front, and what kind of span is best. We would like a house 40x150 feet with boiler room separate and an iron frame. Should we use hot water or steam? Please advise us as to ventilators, size of glass, depth of soil for carnations and cucumbers, and how early cucumbers should be started. What kind of foundation should be used, how heavy should the wall be made, and with cement

MADISON, N. J.—The schedule of classes and premium list for the ninth annual exhibition of the Morris County Gardeners' and Florists' Club, which will be held October 27-28 has been issued.



BRIDE ROSES AT JOHN L. ANDRE'S, DOYLESTOWN, PA.

(From photograph taken three days before Easter, 1904.)

THE CARNATION.

Early Planting.

Early planting, like any other decided change in the culture of a plant has a certain proportion of extremists advocating and adopting it. These growers by the time this article appears will have had all their carnations housed. It is this fact that induced the writing of this article, as, in the writer's opinion, it is a very serious mistake, one that he has made himself with a consequent loss that made the lesson learned an outrageously high priced one, to plant carnations by the almanac, and to think that by a certain date they should all be housed.

There is such a thing as acclimating a carnation to summer culture under glass and where this has been done the real early planting will often bring the best results. This is especially noticeable in Peter Fisher's introductions containing Lawson blood. It would be interesting to know from Mr. Fisher the cause of this, whether it is due to his having gradually planted earlier each season until he had acclimated the parents of Lawson to summer growth under glass, or whether it was simply one of those freaks of nature unaccountable, but none the less true, where a plant radically changes its habits permanently and without any loss to itself.

With varieties of this kind July planting may and likely will mean more money at the end of the season than to plant in August or September, as the variety will make blooming growth in the house just as well, or possibly better, than in the field. But even with all of this in favor of early planting there will be years when a change of date will be best. One of these is when the plants are very small at your usual planting time and the weather outdoors is propitious for their rapid advancement in growth. A very good rule is not to bring a plant into the house until it has at least fifteen branches. By this is meant fifteen fairly well started branches, not necessarily all of them six inches or more in length but varying from three to ten inches. A plant of this

size housed in July ought, with proper care and attention, be made to bring at least ten of these branches into a flower by January 1.

A plant of this size housed any time between the middle of August and the middle of September will do equally well, always with proper care and attention, with a slight decrease in the quality of the first flowers produced, in proportion as the date advances from August 10 to September 15. After the first of December there should be no perceptible difference in the quality of the flowers produced on the early or late planted plants with a good grower.

The rub comes in getting a plant of the size specified for July planting. To house a smaller plant and get a paying amount of bloom from it, no matter whether it is planted in July or September is almost an impossibility no matter who the grower may be. This is often overcome by the clumping together of from three to ten plants and planting them as one plant, adding from three to ten times the cost of the plant up to planting in time for that special plant. This additional cost must come off the returns when you make comparisons and estimates. Another thing to take into serious consideration is the weather. July and early August planting should be done when there is at least a good prospect of having several cool nights after the plants are housed, as they are sure to have enough hot, sultry weather to contend with after getting established, and to be taken from the field and planted in sultry weather is such a serious check to their vitality that they are unable to withstand the attack of any disease that may choose to fasten itself on them. As a rule you will get better planting weather in August than in July, but unless you carefully study weather conditions, you are just as likely as not to strike bad weather even in the middle of September. In spite of all theories, the carnation thrives best in a temperature of 55° at night or with some varieties less than that, and 70° during the day. It is unreasonable to expect them to thrive and maintain their health and

vigor if put into a greenhouse early in July where the temperatures run 20° to 40° higher than their nature demands, and this treatment runs through almost three months, as it is often the case that September is a hot, sultry month.

As heretofore said this treatment may be given a variety that has been acclimated to it gradually through several generations but not to one that has been grown under ordinary conditions, and, unless I am very much mistaken, much of the trouble with novelties is due to this cause, extreme early planting and a consequent gradual loss of vitality until the year they are introduced, when they are too weak, in spite of their looks, to stand the change of environment. In fact in a number of cases they are weakened to such an extent that even in the disseminator's own houses they are a failure and a disappointment the year after they are introduced. Candidly, would it not be better to look after the health and vitality of the stock where it is used for propagation, ahead of the cut flower end, even allowing that the cut flowers are a trifle better when the plants are housed real early?

Another point to be taken into consideration aside from the size of the plants is their condition in the field. Last season we planted one house very early in August, one house about September 20 and the balance of the place the week after the convention of the S. A. F. On December 1 it would have taken a set of expert judges to have detected any difference between the house planted the first week of August and the one planted September 20, either in the quality of the flowers or the quantity produced. Later in the season the balance swung in favor of the September planted stock, just enough to notice the difference. Those planted between on these dates came about as near being a failure as I want to have them come the balance of my floral career. The flowers were not up to the mark in quality and woefully lacking in quantity, so much so that these houses showed a decided loss for the season over cost of operating, and if the cost of the plants up to the time of housing them were added, it would make a showing that I do not care to have on record.

In looking for a cause for this I did not have to go very far. The season last year was peculiarly dry up to August and the early planted house was filled with well hardened plants, hungry for moisture and food. Consequently they took a quick and vigorous hold and kept that hold all season. Through August we had heavy rains twice to three times weekly, and the plants housed the latter part of August were in a soft, vigorous and watery growth. Housing them in this condition was against my better judgment, but I was following the lead of early planting regardless of conditions. The plants were given every possible care but simply would not take hold and did not all winter. They did not die outright, but they likewise never actually thrived. In September the wet weather had ceased and the plants housed then were strong, well-developed plants, and started off even better than those planted the first of August. The flowers produced through October and early November were slightly below par, but after the middle of November they came right up to the mark and stayed there all season.

If it were possible to forecast the weather a month or six weeks ahead of time we could plant just right every season. Had I been able to do this last



RHODODENDRONS, AT L. M. PALMER'S, STAMFORD, CONN.



VIEW ON THE GROUNDS AT L. M. PALMER'S, STAMFORD, CONN.

season my houses would have been planted the last week in July and the first week in August. Not being able to do it I would have been better off to have waited until the plants were in good condition and planted them all in September. This season up to date we have been having from two to six rains weekly for July and there will be no housing done until the weather gets dry enough to season or harden up the plants even if it runs planting into September again.

As a resume I do not want to be understood as saying that there is nothing in the theory of early planting for it is a demonstrated fact that early planted stock will produce better flowers in September, October and November than late planted stock. The point I am trying to make is not to plant early simply in order have them planted at a certain date, but to plant when the stock is of good size and in good transplanting condition, and weather conditions are reasonably favorable, no matter whether this be in July, August or even in September.

A. M. HERR.

Layering Carnations.

W. N. Rudd, the well known carnation grower, ran short of his needs in cuttings of some seedlings the past spring and decided to try layering with a view to increasing his stock. At the close of the flowering season the old plants were taken up and planted outdoors, spreading the main branches over the ground. When the side growths attained sufficient size they were tongued and pegged to the soil and lightly covered at that point, with the result that there is now in the field every promise of a good supply of extra fine plants in these scarce varieties. When the hot weather came on the ground was given a light straw mulch. Mr. Rudd is not generally in favor of layering in this climate, and says the present cold season was an exceptionally favorable one for this work at his place.

Changing Soil in Carnation House.

ED. AM. FLORIST:—Is it necessary to change the soil in carnation houses every year? I have been reaping good

results by so doing, but it is a heavy task. Do you think if I would remove half of the soil and replace it with new soil and apply some good pulverized sheep manure or good raw bone meal and work it in well before planting that it would be as good as new soil?

S. M. S.

Among the best growers it is considered essential to renew the soil for carnations each season. No doubt carnations can be grown in the same soil for several seasons by proceeding as "S. M. S." suggests, but theory and practice are against it. It is reasonable to suppose that plants will do better in fresh new soil. It is certain that fungus and insect pests will be apt to increase each year as the soil becomes constantly more infected. Removing the soil each year gives a chance to clean, repair and lime-wash the benches, and cleanliness is certainly next to godliness in cut flower growing.

A recent experiment station bulletin states that an examination of old rose soil in the benches showed the presence of injurious compounds, evidently formed by the decomposition of fertilizer elements in the soil, and while there was an abundance of plant food present these injurious substances caused a weak, sickly growth. The bulletin states that it is proposed to thoroughly flood the benches before adding new fertilizers with the hope of washing these compounds out of the soil. The experiment will be interesting to follow. "S. M. S." might try a part of one bench in the old soil and renew the balance as usual, and watch results.

W. N. RUDD.

A Beautiful Country Estate.

On the beautiful estate of L. M. Palmer, at Stamford, Conn., the plantations of rhododendrons are very extensive, numbering many thousands of plants which, although lacking as yet the size attained in plantations of greater age, comprise a wide variety of kinds, including the newest and rarest sorts, and all in splendid vigor under the attentive care of Amedee Hans, the gardener in charge for the past seven years. The illustration accompanying shows the manner of planting in masses, with the taller plants in the rear, in beds of irregular outline, the front line being occasionally varied with masses of *Azalea amœna*.

Mr. Hans' system of winter protection is a very radical one and consists of lifting the plants and laying them on their sides in deep trenches and then covering the whole with leaves and branches. Under such thorough treatment it must be a tender variety that will not carry its buds to the blossoming season in good shape and for this reason the list of sorts given herewith lacks the value to the grower looking for reliably hardy varieties which would attach to a list of plants that had gone through the ordinary amount of exposure to trying weather conditions. But, looking over the midseason bloomers the following named varieties stand out in especially fine form and fullness of bloom and the list as given contains the cream of the



VIEW ON THE GROUNDS AT L. M. PALMER'S, STAMFORD, CONN.

desirable kinds in the hardy section. Varieties noted were as follows: *Picturata*, *Roseum Elegans*, *Album Elegans*, *Bessie Parsons*, *Purpureum Elegans*, *Grandiflora*, *Purity*, *Snowflake*, *James Narsmith*, *Lady Cathcart*, *H. W. Sargent*, *King of Purples*, *Everestianum*, *Lady Armstrong*, *Bluebell*, *James Bate-man*, *Marchioness of Lansdowne*, *Selvia*, *Lady Sigismund Ruckart*, *Sir Thomas Seabright*, *Caractacus*, *Atrosanguineum*.

Another very interesting feature of these grounds is the series of rock gardens in which myriads of hardy ferns find a congenial home. The collection is very comprehensive, including every obtainable species and variety of American, European and Japanese lineage. These are located in a cool, shady grove of oaks and chestnuts where the ideal conditions for fern contentment seem to exist. Bordering a long walk is a rocky bank planted with miscellaneous varieties arranged in the "negligence of nature wild and wide." This walk is shown in one of the views accompanying this article. Numbers of irregular rock groups, such as are shown in the other illustrations, are distributed throughout the woods. In these botanical classification has been followed in a general way only. *Polystichiums*, *aspidiums*, *aspleniums*, *nephrodiums*, *lastreas* and *athyriums* are seen in bewildering profusion of forms, *Athyrium filix-femina* and *Lastrea filix-mas* being allotted entire beds in which to display the wonderful variety of crested, forked, frilled and tasselled plumes, and crispy, puckered masses into which the simple original forms have sported and which seem to flaunt defiance at everyone who would undertake to classify them. These plants are all from seed and so thorough is the mix-up that the attempt to name them has been abandoned as a fruitless task. Scarcely less confusing is the classification of species and, as to genera, the synonyms and cross-references indulged in by the vari-

ous fern authorities are exasperatingly complicated and jumbled. But they are all beautiful, nevertheless, and no garden of any extent is anywhere near complete without a special place assigned to these graceful, interesting and easily grown subjects.

The raising of seedling ferns is a task requiring much patience and close attention. Mr. Hans takes especial delight in working among the difficult ones of both hardy and tender classes. There is enough of mysteriousness about such work to absorb and interest. Shakespeare, who seems to have known everything, wrote: "We have the receipt for fern seed. We walk invisible." Mr. Hans is especially interested at present in a consignment of ferns collected wild in Jamaica, which contains many unfamiliar things, some of them very promising in appearance.

Greenhouse Repairs.

Now is the time to attend to all the little repairs and the general cleaning up which every greenhouse needs each year. Nothing pays better in greenhouse management than cleanliness. Clean every bit of the interior of the houses and then give a good coat of white lead inside and out. Rip out all decayed woodwork and apply a thorough wash of lime to the benches and the walls underneath. The man who knows his business will do these things before thinking of building more houses. Before painting see that any flaws or openings in the roof through which water might penetrate are filled with putty, and loose panes fastened securely.

Try crude oiling a bench and see how much longer it will last. Crude oil is better than paint in many places. If it is too thick add kerosene to make it thin.

Don't patch those old benches with new lumber. Tear out the bench which is in the worst condition and rebuild it, using

the best of the old boards for patching. Sound hemlock is better than pine for supports.

Try some pecky cypress for benches.

Two Good Coleuses.

The coleuses *Anna Pfister* and *John Pfister*, for use in edging beds and borders in the same way as geranium *Mme. Salleroi*, are two of the best varieties we have seen for a long time. In habit they are very much alike, dwarf and compact, the rather small leaves pointed and serrated. Both varieties are more or less variegated, but *Anna Pfister* gives an orange yellow effect, while in *John Pfister* the tinge is a showy bronze.

World's Fair Notes.

The attendance during the week ending July 16 reached the half-million mark. This was quite satisfactory to the exposition authorities, particularly as there were no special events for that period. Although St. Louis has been regarded as unsuited to the holding of an exposition, owing to the hot weather which is supposed to prevail during the summer, the temperature here during the last week has ranged from 3° to 6° lower than in most of our northern cities.

The cannas will be at their best for the florists' convention. Among the varieties exhibited by J. C. Vaughan are *King Humbert*, *Betsy Ross*, *Express*, *Dwarf Florence Vaughan*, *Count de Saxe*, *Black Beauty*, *David Harum*, *Papa Nardy* and *Victory*. *Henry A. Dreer* has a bed of *President Meyer* bordered with *Rubin*. Both of these varieties have a bronze foliage with red flowers. The color of the latter is especially rich and velvety.

The *Simpson* motor lawn mower and roller is being used almost daily to demonstrate its value for rolling lawns, walks and drives, and as a lawn mower. It is much like a small steam roller, but the front trucks can be removed and replaced by the mower attachment, which closely resembles an ordinary horse lawn mower. It is a steam machine which uses gasoline as fuel.

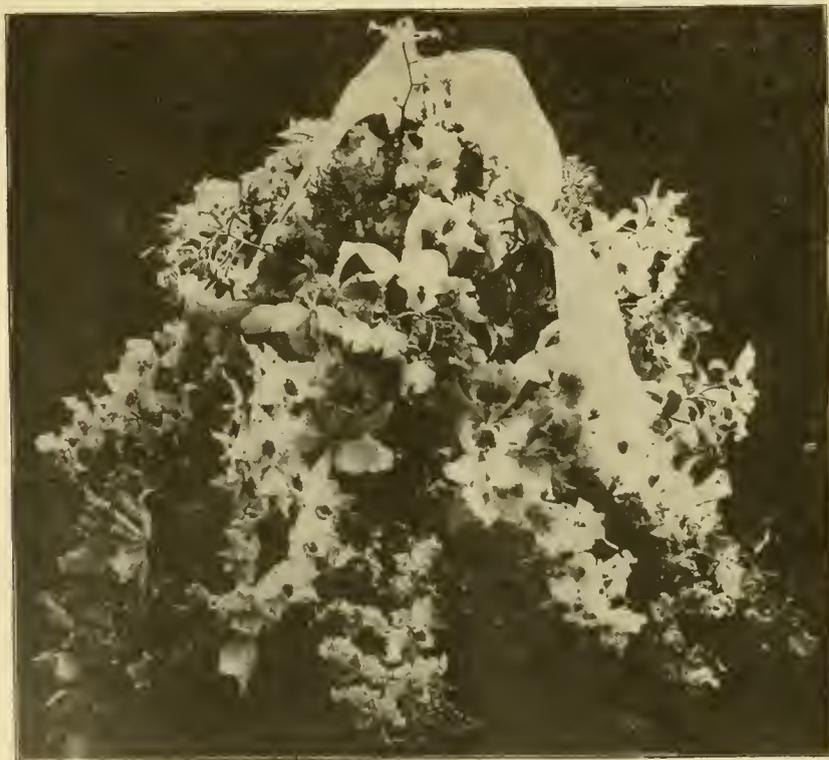
The exhibit of the *St. Louis Seed Company*, aside from a number of plats of lawn, consists of ten or a dozen large rustic baskets at the north end of the *Agriculture* building, which are filled with flowering plants and vines, and the plants in the floral clock, which include coleuses, cinerarias, centaureas and verbenas.

Ellwanger & Barry, *Rochester*, have several large beds of their new hardy plox, *Lothair*, and one of *Richard Wallace*, which will soon be at their best. A bed of the former near the floral clock, and another at the north end of the rose garden are especially attractive.

Michell, *St. Louis*, has a very attractive display on the terrace along the east side of the *Agriculture* building. It embraces some twenty beds of foliage plants in various designs.

AUBURN, N. Y.—*Herbert M. Hills* says his spring trade this year was excellent. At the present time he has one house, 20x100 feet, planted with *Bride* and *Bridesmaid* roses, and another will be planted soon with high grade carnations. Mr. Hills will add to his range two houses, 10x150 feet, for *smilax*, *asparagus* and other stock.

SANDUSKY, O.—*Wm. Dilger*, of *Detroit, Mich.*, who formerly resided in this city, was a recent visitor.



ROYAL FLORAL DESIGNS.

(Basket of orchids by Charlesworth & Co., Bradford, Eng.)

THE RETAIL TRADE

ONE or a few good plants in the show window are more effective than a crowd of them. And it is also less expensive.

HANGING baskets, window boxes, tub plants, etc., out of doors in summer dry out rapidly. Water, water, water, and advise your customers to do likewise.

A PAIR of bay trees outside the entrance to greenhouses or store lends dignity to the establishment and may be seen from afar off. But don't fail to make them fast to something if exposed to strong winds.

Royal Floral Designs.

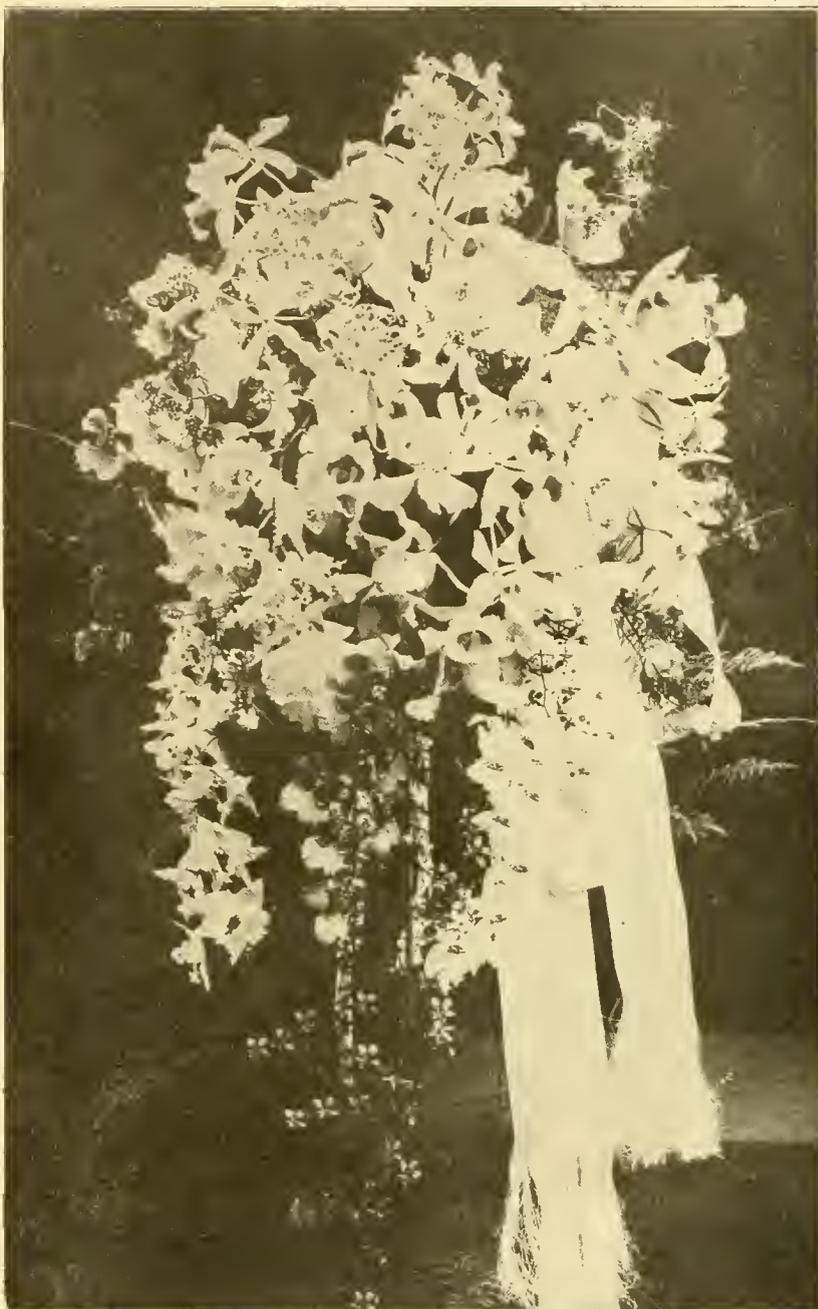
We reproduce in this issue some photographs of elaborate floral designs in the form of an orchid bouquet and an orchid basket which were presented to members of the English royal family by Charlesworth & Company, the well known orchid growers of Bradford, England, on the occasion of some recent festivities. The flowers used in these designs presented a most magnificent appearance it is claimed and reflected great credit upon the skill of the growers and their artists. We are indebted to Charlesworth & Company for this opportunity to reproduce the photographs.

Window Decoration.

A pretty window decoration is noted at the Rosary on East Thirty-fourth street, New York. The large window is arranged to give the effect of an Italian garden. A few feet back of the glass front is a white balustrade with one two-foot opening in the center. This is made of white canvas and looks like marble (from the street). From boxes at the base are trained up such plants as English ivy or Rambler rose. Only one sort of plant is used at a time. The floor space is covered with moss and perhaps right in the front color is given (when the back is pure green) by four or five pots of gloxinia or some other low growing, richly colored plant. The whole effect was very attractive and it had the great charm of simplicity.

New York.

Business is at a very low ebb. The high temperature of the past few days has had a further depressing influence on the market, and there is now practically "nothing doing." The stock coming in is nearly all outside grown, and in quantity is much more than the market can assimilate. Quoted prices are about as representative of the market as it is possible to quote them, but just now the market is pretty generally a bargain shop. "Twenty cents a hundred or the dump barrel," said a prominent wholesaler the other day as he laid off a lot of roses of usable quality, and this is not extreme, by any means. Roses are not moving well, and there is but little really fine stock to be had. Asters are coming in nicely, and choice stock brings as high as \$3 per 100. A lot of poor asters are offered, however, which are bringing next to nothing. Some of the large growers of asters report a large percentage of diseased plants this year, a condition which will materially reduce their cut. Gladioli are abundant, but the demand is fair and prices are upheld. Sweet peas are still plentiful, but the quality is wretched; late varieties are not yet



ROYAL FLORAL DESIGNS.

(Orchid bouquet by Charlesworth & Co., Bradford, Eng.)

appearing. Carnations are nearing the end and are not much sought except in the choice varieties. Lilies are in short supply but of good appearance, and in consequence have commanded \$8 per 100 for special requirements. One individual Long Island grower appears to have a corner on the market in lilies. Some cosmos has been seen in the market this week, but it is looked upon as a freak and does not go off.

Reed & Keller have been busy for some time getting their convention exhibit together. They will probably get it off this week and it will occupy a whole car. Some novelties are included, among them a column and urn form of wire, embodying some very intricate work, and of a design quite daring in construction. The firm is busy getting up a stock of folding bells for Christmas trade, and has already

on its books orders aggregating 25,000 bells. A white bell is to be leader this season.

Chairman Patrick O'Mara and his committee are preparing to issue the programme of arrangements made for the trip of the New York contingent to the convention. It is now finally decided that the Philadelphia contingent will not join the New York party, but will proceed to St. Louis over the Pennsylvania railroad on their own account.

James Dean, who presides over the destinies of Freeport, L. I., retains his connection with the florists' trade by entertaining florists who pass his way. A. H. Langjahr visited him last Sunday.

C. W. Ward, of Cottage Gardens, Queens, N. Y., has just returned from a trip to the west. He leaves again the end of the month for Europe.

Wm. H. C. Donahue, of Thos. Young, Jr.'s, establishment, was married July 11 at St. Patrick's cathedral, New York, to Miss Anna Gertrude Cronin. He is consequently enjoying a vacation.

James Coyle, of Wm. Ghormley's, will leave July 23, accompanied by Mrs. Coyle, on a two weeks' trip to Cincinnati and Kentucky points, thence to the St. Louis exposition.

Wm. Hillebrecht, of Secaucus, N. J., died Saturday, July 16, in the thirty-fifth year of his age. His wife died only a few weeks ago. He is survived by two children.

The Misses Fuller, of Leominster, Mass., daughters of Joe Fuller, are visiting R. W. Clucas, of Clucas & Boddington, at Sparkill, N. Y.

N. Lecakes & Company have already settled themselves in their new quarters, 53 West Twenty-eighth street.

George E. Bradshaw has filed a petition in bankruptcy, and his hearing will take place next week.

Julius Roehrs and wife have returned from Newport, where they have spent several days.

John Kral, of Moore, Hentz & Nash, is summering at his Portchester, N. Y., home.

Roman Irwin, of Vaughan's Seed Store, is enjoying a vacation at Lake Bomberseen.

Louis Miller, of the staff of Alex. McConnell, is back from his vacation.

L. C. Bobbink, of Bobbink & Atkins, is making a European trip.

Chicago.

Trade continues in the midsummer rut and the utmost quiet prevails on the market. Receipts in nearly all lines have been very light. Good carnations and roses are almost an unknown quantity and Beauties of a good order are yet very few. Kaiserin is to be seen of extraordinary quality, but the output is limited. Some fair Bride and Bridesmaid are being cut. The small miscellaneous summer stock is having its turn. Sweet peas are plentiful and good. Asters are beginning to arrive and the indications point to a heavy cut later on.

A special meeting of the Florists' Club was held July 20 and was well attended, considering the hot weather. Much interest was shown in the forthcoming S. A. F. convention at St. Louis and a committee, consisting of James S. Wilson, P. J. Hauswirth and John Degnan, was appointed to investigate hotel accommodations and report at the special "convention meeting" to be held July 28 in the regular meeting room at Handel hall, at 8 p. m. Convention matters in general were discussed enthusiastically and it is now clear that there will be a big attendance at the special meeting next week. A strong convention delegation from this city now seems assured. The new by-laws were adopted after slight change.

It is said that John Dadie, the new superintendent of the West Side park system has recommended the construction of a greenhouse of immense proportions to take the place of the several greenhouses of the West Side parks. His plan is to build the big greenhouse in the portion of Garfield park lying south of Madison street, within the race track inclosure, which affords ample space. The old greenhouses are said to be in bad condition, and are a menace to the lives of hundreds of persons who seek shelter in them when storms suddenly arise.

The E. F. Winterson Company's success as auctioneering managers in the recent Fuchs sale has encouraged that firm to seriously consider making this a department of the business, commencing next fall or spring.

The George Wittbold Company is just now particularly strong on latanias, kentias and asparagus. The stock at Edgebrook is in splendid shape. Petunias are being grown with remarkable success.

Albert Fuchs will start for Europe this week and Fred Lautenschlager will have entire charge during his absence. Mrs. Fuchs is already in Europe.

Vaughan's Seed Store shipped the first consignment of Harrisii lilies last week. The bulbs looked well, being firm, healthy and fully ripened.

William Kohbrand, of Amling's and Walter Kennicott with a party of seven are spending several weeks in northern Wisconsin in camp.

It is said that the early five o'clock closing rule during July and August is being strictly adhered to by practically every wholesaler.

Among members of the trade at the Elks' convention, Cincinnati, this week, are James Hartshorne and P. J. Hauswirth.

The interior of Peter Reinberg's downtown store and office, is being improved with paint, calcimine, etc.

N. J. Wietor has returned from a two weeks' fishing trip among the upper lakes in Wisconsin.

Frank Potoka is no longer connected with Frank Garland's wholesale establishment.

Wietor Brothers are sending in La France roses worthy of special mention.

Vacation time is here and many of the stores are operating with reduced forces.

George Wienhoeber and brother are away on vacation.

Visitors: Wm. Kutschbach, Houston, Tex.; J. C. Rennison, Sioux City, Ia.; W. E. Kemble, Oskaloosa, Ia.; W. A. Hartman, South Haven, Mich.; A. L. Glaser, Dubuque, Ia.; E. G. Hill, Richmond, Ind.; S. S. Skidelsky, Philadelphia, Pa.

Philadelphia.

At this writing we are enduring, as best we can, the hottest weather of the year. It makes work in the greenhouses during the middle of the day almost impossible, the heat being so intense. In consequence of this burst of heat the quality of the cut flowers coming in is away off. Roses seem to suffer most, Bride and Bridesmaid being very poor. There are a few fair Beauty roses from local growers, but the imported stock is very much better. The Edgely Nurseries are sending in some very fair Queen to Bertheimer. This seems to be a better summer rose than Beauty. Carnations are quite scarce and anything worth having brings from \$1.50 to \$3. the latter for Prosperity, which appears to be the best summer sort. Although asters have been promised for some time their appearance in any quantity is very tardy. Several of the growers say they are losing more than half their crops by the plants damping off, and they don't seem able to prevent it. Business in the stores is very quiet, there being little outside of the funeral demands.

John G. Gardner, of the Montgomery Nurseries, Villa Nova, celebrated his fiftieth birthday anniversary on July 14. Many of his neighbors and a number of his city friends went out to congratulate him and enjoyed, as an additional inci-

dent, an exciting cricket match between teams of seniors and juniors selected from those present. The juniors had the better of it in the first game, but in the second the seniors showed their superior staying powers and made the young sparks look like 29 cents. Mr. Gardner himself was the star of the senior aggregation and was never seen to better advantage than on this occasion. The women folks of the family, including Mrs. Gardner, Miss Ethel Gardner, Miss Mary Dwyer, Mrs. Ewing and Miss Bessie Ewing, did themselves proud in entertaining the guests at the lawn party which wound up the day's proceedings. Neil Gardner, second son of John Gardner, and his right hand man in the nursery business also had a birthday on July 14, and had a little celebration on the side.

Alexander Cumming, who for a number of years past has been superintendent on the Stoke-Pogis estate, has been appointed city forester of Hartford, Conn., and enters on his duties August 1. Mr. Cumming is an experienced nurseryman and well up in all outdoor work. He graduated from the nurseries of Thos. Imrie & Sons, Ayr, Scotland, and has had American experience in Canada and New England as well as in Pennsylvania. The Hartford people are to be congratulated on securing a city forester a bit different from the usual political brand of that article, and Theodore Wirth will have a colleague who will ably second him in the good work he has been doing on the Hartford parks.

George M. Moss, representing Watson's Seed Store, has just returned from a seven weeks' trip south in behalf of his house, and reports good demand for the regular lines of forcing stock, especially Japanese multiflorum, Paper Whites, Von Sions, freesias and callas. White Romans go slow and many customers cut their orders on hyacinths and spiræa. Inquiries for good named varieties of peonies suitable for florists have been frequent and indicate a distinct revival of interest in this item. Hardy phloxes and Japanese irises are also in demand, especially the newer improved varieties.

S. S. Pennock says it is not safe to keep galax leaves at this season in an ordinary ice-box except those for immediate use; the stock should be in cold storage where the temperature is regular, as where they are subject to changes they become moist and this rots the leaves. One bad leaf or two soon spoils a whole bunch and spreading through renders the balance unsalable.

Karl Miller is erecting a house 20x100, and an addition to his dwelling which almost doubles its capacity. The old gentleman has just passed his 91st birthday and is quite spry, being about the place every day. His son August assists him in the management.

Watson's received their first consignment of Harrisii on July 15. These early bulbs are sent only to such customers as force for Christmas. The regular consignments do not arrive until later.

The stock of the yellow daisy seems quite scarce in this vicinity. None of the growers who have plants seem willing to part with the same.

Habermehl's had the Shriners' hanquet at Atlantic City last week. This used up quite a lot of flowers and was the largest thing of the month.

John Curwen and wife, late of Long Island, N. Y., are now in this city, where Mr. Curwen expects soon to engage in the business.

W. K. Harris has a great stock of

Boston ferns. His plants have a finish which puts them almost in a class by themselves. K.

NOTES.

The second meeting of the creditors of Robert Craig & Son will be held Tuesday, July 26, at their offices, Forty-ninth and Market streets, at 3 p. m. The object of the meeting is to give the assignee an opportunity to explain his work so far, and to get the views of the creditors as to the future conduct of the business.

Boston.

Business is at lowest ebb in all lines. Small orders and few is the rule and, although stock is coming in very light, there is plenty for all demands and some to spare. There are no good roses in the market excepting only American Beauty, of which a fair percentage may be called good. Carnations are running low in quantity and also in quality. Growers are throwing out and replanting in rose and carnation houses. It is a good time to do it as the product is worth but little at present.

Hybrid pentstemons from E. A. Clark, tuberous begonias from H. H. Rogers, Shirley poppies from L. H. Atkins, garden flowers from Mrs. J. B. Lawrence and Mrs. E. M. Gill and new sweet peas from the F. L. Ames estate were the special features of the weekly show at Horticultural Hall last Saturday. The Ames display received honorable mention and a similar award was given to H. H. Rogers for Begonia Gold of Ophir and B. grandiflora erecta. The premiums for sweet peas brought out some good displays, first, second and third prize for thirty vases being won by W. J. Clemson, E. A. Clark and Wm. Whitman. On twelve varieties E. A. Clark, W. J. Clemson and Mrs. E. M. Gill were the winners.

The English sparrow has been living like a prince for a couple of weeks on the juicy brown-tail moths, and is receiving due credit therefor in the daily journals.

J. W. Howard has set an excellent example to his suburban colleagues by closing his place of business at 6 p. m. throughout July and August.

N. F. McCarthy and W. H. Elliott are recuperating in the outermost wilds of Maine.

St. Louis.

The weather for the past week has been very warm, and at the time of writing the stock coming in, especially roses, is very poor and soft. Bride, Bridesmaid and Golden Gate roses of very inferior quality have been plentiful all week. Red roses and American Beauty have been very scarce with fair demand. Gladioli and asters of good quality are selling well. Sweet peas are about over, owing to the heavy rain. Another crop which gives promise of being good will come on later.

William Kalisch & Sons had the decorative work for the banquet given by the doctors and physicians at the Inside Inn, World's Fair grounds. Forty tables were decorated entirely with American Beauty roses.

The S. A. F. convention visitors who wish to secure rooms in advance should communicate with Frank M. Ellis, chairman of the hotel committee, 1316 Pine street.

At the latest series of games at the Palace bowling alleys the ladies joined the men, all members being present.

J. Hauser, of Kirkwood, Mo., is sending in some first-class asters.

C. Young & Sons Company is giving a vacation of two weeks to their employes to visit the fair.

F. W. Ude & Son are supplying this market with very fine gladioli.

James W. Dunford's retail store has been closed.

H. Berning's horses are all sick with influenza.

Visitors: H. C. Schwieman, Danvers, Ill.; William Kutschbach, Houston, Tex.; J. Gelven, Sedalia, Mo.; George M. Kellogg, Pleasant Hill, Mo.; E. Lang, brother of Otto Lang, Dallas, Tex.; Ernst Nitshe, Dallas, Tex. W. F.

Baltimore.

With weather of prime summer variety, the mercury coquetting daily with the 90's and the variations depending only on the greater or less degree of humidity present in the atmosphere, there is naturally an almost total collapse of business, except for the inevitable calls for funeral purposes. There have been heavy thunder storms, and on Monday the vicinity of Catonsville was visited by a heavy hail, which, however, so far as heard from, broke no glass. The street vendors have practically abandoned their pastures, only one or two being in evidence. Thomas Vincent has closed his Charles street store for the summer.

Good flowers are very scarce. Outside Cochetts are coming in in quantity. Asters are increasing in supply, but carnations are deficient, both in quantity and quality.

John Cook is building a new palm house 22x100 feet, very substantial in construction, using stone and brick instead of posts under the roof. Wm. J. Halliday is preparing to erect two houses, one for palms used for decorations and the other for lilies, on his newly acquired ground on the Liberty road. He is also having plans drawn for a dwelling.

Thos. N. Paterson has engaged with his sister, Mrs. Paterson Johnson, of Madison street, who will also hereafter receive all the products of his greenhouses at Waverly.

The Misses Mathilde and Rosebud Held are enjoying a vacation at Atlantic City. S. B.

Washington.

The condition of trade is about what is to be expected at this season, and the same may be said of the quality of stock. There are some very good Carnot and Kaiserin roses in the stores, but most of the other roses are of inferior quality. Asters are now coming in fair quantities.

The criticisms that are sometimes passed on Washington homes on account of their lack of grounds will not apply to the home of John R. McLean. His residence stands in a beautiful park, and fine gardens, on the formal plan, and will when completed be models of landscape architecture. It is creditable to Mr. McLean that he has not adopted an exclusive policy. The gates to his grounds and gardens stand open and the public is free to enter with only reasonable restrictions imposed.

Several of the retailers are taking advantage of the summer dullness to put their stores in spick and span condition for the busy season. Fred Wolfe, manager for Loose, has started in on his workroom, and when he gets through with it, he says, it will be a dream of blue and gold. Z. D. Blackstone is also making extensive alterations and im-

provements in his store, and George C. Shaffer and A. Gude & Brother have enlargements in view.

Miss Marguerite Florence McPherson, daughter of Alex. McPherson, superintendent of the Soldiers' Home grounds, was recently married to Dr. Alfred Burch Herrick. Dr. Herrick has accepted a lucrative position under the United States Canal Commission in Panama, and is now enroute to his post. Mrs. Herrick will remain with her parents until conditions become more settled in the canal zone.

The Italian ambassador, Major des Planches, arrived in Washington last week after an absence of nearly a year. I hope that he at once gave orders to have the grass cut on the grounds of the legation, as it was a fright the last time I passed.

We now have very warm weather with frequent showers, and "Gen. Humidity" is camping in this vicinity. S. E.

Cleveland.

The Florists' Club has decided to hold its outing on July 28 at Idlewild inn, Rockport. A grand time is promised and no one should miss it. There will be plenty of music and dancing, as well as other sports. Supper will be served at the inn. Be sure and take Detroit street car to Riverside drive, Lakewood, where a conveyance will carry the picnickers to the inn. All those who intend going should notify the secretary at once.

The Wilhelmy Company is getting its new plant well under way. Ten houses are being erected, 28x150 feet. Several of the houses have been completed and planted to roses. The water supply is derived from a large cistern, which is divided off into compartments for clear and manure water. The place is located in Middleburg township and is about ten miles from the city.

The J. M. Gasser Company is building a large shed for the storage of soil, which is badly needed, and something every large place should possess. It comes in mighty handy to have a dry soil pile to dig into in June and July after an overdose of rain. ECHO.

OBITUARY.

Joseph H. Woodford.

Joseph H. Woodford, member of the committee of arrangements of the Massachusetts Horticultural Society for twenty-seven years, and chairman of that committee for twelve years, died at his home in Wenham, Mass., July 16, aged 76 years. Mr. Woodford was a native of New York, but came to Boston when a boy. Years ago he was engaged in the east India trade and resided in Calcutta for a period of twelve years. The great fire in Boston thirty-two years ago swept this business out of existence. He was deeply interested in horticulture and much of his time in recent years had been spent about Horticultural Hall and among the people frequenting the exhibitions. His official connection with the society ceased at the time of the change in the society's methods of management last fall. The funeral at the chapel in Newton cemetery on Wednesday, July 20, was attended by a large number of society members and friends of many years' intimate association.

THE AMERICAN FLORIST

NINETEENTH 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—8 times, 5 per cent; 13 times, 10 per cent; 25 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at \$1.00 per inch, net.

The Advertising Department of the AMERICAN FLORIST is for florists, seedsmen and nurseries 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.

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

For the Harrisii lilies as soon as they are received.

STIRRING the crust frequently will do more good to the field or garden crop than any amount of hosing.

CUT off the water supply from Gontier roses from July to October and then start them off, cutting out the surplus wood and tying down the canes.

EVERY florist should contribute his share and take a personal interest in the welfare of the national society. Is it square to let the other man furnish the means while you enjoy an equal share in the benefits? Think it over.

THE New York Herald sees no reason for alarm as to the food supply, because of the meat packers' strike, so long as some six thousand tons of fruit and vegetables are brought to the city every night by the Pennsylvania railroad and the many other railroads and steamship lines are also bringing their share, not to mention the local truckers. More fruit and less beef is a good rule to follow for the present, at least.

Chicago to St. Louis.

Preliminary plans for transportation to St. Louis for the S. A. F. convention include a special train on the Wabash railroad, leaving Monday night, August 15, time to be announced later. The lowest World's Fair rates in effect at that time will be given passengers on this train. Those who pass through Chicago, enroute to St. Louis, should travel by this train and tickets should be made to read via the Wabash railroad from Chicago. Berths will be reserved and all further information supplied on application to P. J. Hauswirth, Auditorium Annex, Chicago.

New York to St. Louis.

Following are the arrangements for transportation to the S. A. F. convention at St. Louis, as announced by Chairman Patrick O'Mara of the transportation committee. The route is by the Baltimore & Ohio R. R., with stop-overs at Philadelphia, Washington and Cincinnati. The rates are, season excursion ticket \$34; sixty day excursion \$28.35; fifteen day excursion \$23.25; Pullman rate \$6 each way. Mr. O'Mara urges that reservations be given the committee at the earliest possible moment—he emphasizes this—and states that on

request the committee will endeavor to secure hotel accommodations also. Refreshments for the special train have not been forgotten.

Adiantum Croweanum.

ED. AM. FLORIST:—Since the time of naming my new fern, Adiantum Croweanum, about a year ago, I have heard through other parties that a great many growers claim they have the same kind of fern as mine. I have sent fronds of my fern to some of those parties, and have had no reply from them.

I have on my place several kinds of adiantum, such as A. cuneatum, A. decorum, A. concinnum, A. Byranii and Mr. Ley's A. hybridum, which, when in young plants it would take experts to find very little difference, but when from five to six months old there is a vast difference in all kinds. Why did not those growers who claim they have the same fern as Adiantum Croweanum, if they are good growers, push it for all it was worth when they found they had a money maker?

Now, I challenge those men to exhibit samples of their plants at the florists' convention in St. Louis in August. I want them to "put up" or "shut up," as I will have a few plants of my fern at that convention, also a few hundred of the cut fronds. Will also have a few plants of other kinds of adiantum.

PETER CROWE.

Soft Rot of Callas.

The Bureau of Plant Industry of the Department of Agriculture has issued a very elaborate illustrated bulletin on "A Soft Rot of the Calla Lily." Interested parties should secure copies, which will be supplied by the Superintendent of Documents, Government Printing Office, Washington, D. C., at a nominal price. We hope to refer to this bulletin at length in a later issue, but in the meantime it may be stated that the author, C. O. Townsend, in his summary of the work states that "The soft rot of the calla may be prevented by a careful selection of sound corns and by changing the soil in the calla beds at intervals of three or four years."

For Convention and World's Fair Visitors.

Members of the S. A. F. should not fail to attend the first convention session each day. There will be plenty of time to see the fair later in the day and during the evening. The evening, with the brilliant lights and lower temperature, is said to be the very best time to see the fair.

From the city take the Market street electric cars for the entrance nearest to the Horticulture building. The Union railroad station is located on Market and Eighteenth streets.

The S. A. F. convention visitors who wish to secure rooms in advance should communicate with Frank M. Ellis, chairman of the hotel committee, 1316 Pine street.

Get off at station 10 on the intramural railroad for the Horticulture building. Other reasonably convenient stations are 7, 8, and 9.

Prof. L. R. Taft, who has charge of the judging in the horticultural classes, is now at his office in the Horticulture building.

Chief F. W. Taylor's office is at the south end of the Agriculture building, the end nearest the Horticulture building.

The S. A. F. convention hall is at Olive, Thirteenth, Fourteenth and St. Charles streets.

Superintendent Hadkinson's office is in the Horticulture building.

Society of American Florists.

In our summary of the S. A. F. convention programme, page 990 of last issue, it was stated that the reception and garden party at the Shaw Gardens will be held Thursday, August 18. This is an error, and the date should be Friday, August 19, in the afternoon.

The meeting of the American Carnation Society will take place Thursday, August 18, at 4 p. m.

IMPORTANT TO EXHIBITORS.

Intending exhibitors at the St. Louis convention are requested to read carefully the revised rules adopted by the executive board last March whereby all exhibitors are required to make special entry with the superintendent of such novelties in plants, flowers, supplies or other material, new devices and improvements in apparatus as they desire to have passed upon by the judges. The judges will not report upon or make awards to any exhibits where the owner has neglected to make proper entry.

DEPARTMENT OF PLANT REGISTRATION.

M. H. Walsh, Woods Hole, Mass., submits for registration Rambler rose Felicity. Parentage, Crimson Rambler × Gen. Jacqueminot. Flowers very double, bright scarlet-crimson, 1½ to 2 inches in diameter, borne in clusters as in Crimson Rambler. Vigorous grower, and may properly be described as Jacqueminot Rambler. Hardy at Woods Hole.

WM. J. STEWART, Sec'y.

Amendment to Constitution.

The following amendment to the constitution of the S. A. F. has been recommended by the executive board:

ARTICLE V.—SECTIONS.

SECTION 1.—Any number of persons, not less than fifty and not less than twenty-five being members in good standing of the Society of American Florists and Ornamental Horticulturists who shall be interested in horticulture or horticultural pursuits, and who represent any particular branch of horticulture, may be organized as a section of the Society of American Florists and Ornamental Horticulturists.

SEC. 2. Constitution and by-laws of sections. Each section shall in conformity with the aims and purposes and the character of the Society of American Florists and Ornamental Horticulturists, provide for itself such officers, constitution, by-laws, rules and regulations as may be required by such section in the accomplishment of its work, and shall determine the date upon which its annual meeting or exhibition shall be held.

SEC. 3. Delegates. Each duly enrolled section shall be entitled to elect one delegate annually, who must be a member of the Society of American Florists and Ornamental Horticulturists in good standing, who shall serve for one year as a member of the executive board thereof with all the powers, rights and privileges appertaining thereto, the payment by the Society of American Florists of traveling expenses of such delegate in attendance on meetings of the executive board alone expected.

SEC. 4. Annual dues. The annual dues and membership fees in any section shall be determined and controlled by its members, and shall be entirely separate and distinct from the annual dues and membership fees paid to the Society of American Florists and Ornamental Horticulturists. Any member in good standing in any section shall be entitled to the annual report of the Society of American Florists and Ornamental Horticulturists, but he shall not be entitled to vote or take part in the deliberations of the Society of American Florists and Ornamental Horticulturists unless he is a member of that society in good standing.

SEC. 5. Annual report. The secretary of each section shall attend each annual meeting of the Society of American Florists and Ornamental Horticulturists, and at such meeting shall present in writing a report of the proceedings of such section, which report shall be incorporated by the secretary of the Society of American Florists and Ornamental Horticulturists in the annual report of the society.

SEC. 6. Plant registration. Registration of plants by members of sections shall be effected through the registration department of the Society of American Florists and Ornamental Horticulturists.

SEC. 7. Special appropriations. The Society of American Florists and Ornamental Horticulturists may from time to time pay to any duly organized section in good standing, for its use in furthering its work, such sum as may be voted by the Society of American Florists and Ornamental Horticulturists, due regard being had for the number of members, the average attendance, the amount, character and importance of the work being done and of the needs of the section, and may, on the recommendation of the executive board of the Society of American Florists and Ornamental Horticulturists, contribute for the use of any section suitable medals, certificates or other awards for new plants of American origin and other products of American skill deemed of special value to horticulture.

SEC. 8. Scientific work. The services of the regularly appointed specialists and committees of the Society of American Florists and Ornamental Horticulturists shall be at the disposal of any section making request therefor through the secretary of that society. Duplicate full detailed reports of such investigation or other work shall be furnished by such committee or specialist to the section making the request, and to the Society of American Florists and Ornamental Horticulturists for record and exclusive publication, and any expense appertaining thereto shall be paid by the Society of American Florists and Ornamental Horticulturists.

SEC. 9. Any section whose membership shall fall below the required number of registered members in good standing of the Society of American Florists and Ornamental Horticulturists, as required in Section 1, shall not be entitled to any of the privileges as covered in the preceding sections during the time of such deficiency.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with the Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1903 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By an all-around florist; German, married. Commercial or private.
RIVERMONT FLORAL Co., College Park, Va.

Situation Wanted—Position as working foreman. Good rose and carnation grower and general plantsman. References. State terms.
X care American Florist.

Situation Wanted—By thoroughly experienced grower of palms, ferns and bedding plants. Orchids a specialty. Englishman, age 25.
P I P, care American Florist.

Situation Wanted—As foreman or manager, by an experienced competent grower with considerable executive ability. Address
STEELE, care American Florist.

Situation Wanted—By a first-class grower, to take charge of the growing end of a small place. State wages without board. Address
WM. KIRKHAM, 3847 State St., Chicago.

Situation Wanted—Florist; 25 years' practical experience growing fine roses, carnations, 'mums and general stock. Good designer. Best references. W. FLORIST, 47 Miami Ave., Detroit, Mich.

Situation Wanted—By an up-to-date grower of roses and carnations. Single, age 27. Not afraid of plenty of work. References as to character and ability. Sober. Address
H C, care American Florist.

Situation Wanted—As carnation grower, or good all-around greenhouse man; private or commercial; age 28, single; 10 years' experience; good decorator and maker-up. Apply J E G, care Homogansett Floral Co., Wickford, R. I.

Situation Wanted—As reliable working foreman; German, sober, 33 years of age; 18 years' experience; good grower in cut flowers and pot plants. Good references. Please state wages, etc. Address
O QUAAE, Hotel Logan, Des Moines, Iowa.

Situation Wanted—By September for landscape gardening or to take charge of growing ornamental nursery stock. Good draftsman. Can take charge of grading and lay out any kind of places. Well up in all branches of horticulture. German, age 27, single. Western or southern states preferred. 406, care American Florist.

Situation Wanted—By a good all-around florist, good grower of roses, carnations, chrysanthemums and general line; also a good designer. Married, no children. German, age 31. Would like to run a place for somebody or go as partner in some paying retail business. Is able to invest some money. First-class references.
H H, care American Florist.

Situation Wanted—An American, at present employed, of unusual business ability, desires a first-class situation or working interest in some good establishment or will accept traveling position. A No. 1 grower and propagator either in greenhouses or nursery and good ability at landscaping. First-class references.
COMPETENT, care American Florist.

Situation Wanted—By first-class florist and landscape gardener, thoroughly experienced in horticulture and landscape work. First-class grower of all tropical plants, fancy rock work and all decorative work for conservatory. Drawing of plans and execution of same for landscape work; 27 years' experience in Germany, France and Switzerland, 14 years in this country. Would take charge of private, commercial or public institution as head gardener or superintendent. German, married; best of references.
U W R, care American Florist.

Help Wanted—Immediately, a first-class tea rose grower. DALE ESTATE, Brampton, Ont.

Help Wanted—A reliable all-around florist to take charge of small place where carnations and general stock is grown. Address
OTTO BAUMANN, Manistee, Mich.

Help Wanted—Young, experienced man for greenhouse and store. Send references. Wages \$12.00 and room. Address
H. F. HALLE, 548 W. Madison St., Chicago.

Help Wanted—An all-around good florist, married, to take charge on shares of a 10,000 square feet greenhouse, mostly carnations. Send references at once. C, care American Florist.

Help Wanted—At once; man well up in rose and carnation growing. Must come well recommended. Good wages and steady position to right party. Address
FLORIST, 130 Neshannock Ave., New Castle, Pa.

Help Wanted—Retail salesman, thoroughly competent in table decorations to go to Florida for February and March next. Good references required. Address
FOSTER & FOSTER, 34 W. 26th St., New York.

Help Wanted—Fireman, strictly temperate; understanding steam and hot water; one who has had experience in greenhouse firing. Must come well recommended. Address
THE ELIZABETH NURSERY Co., Elizabeth, N. J.

Help Wanted—A sober and intelligent man, as working foreman to take charge of a growing and up-to-date establishment. Steady place and good wages to the right man. Address, with full particulars,
STEADY, care American Florist.

Help Wanted—By September 15th or October 1st, an experienced propagator, to take full charge of three houses devoted to the growing of a general line of nursery stock from soft or hard wood cuttings. Address with particulars
F. & F. NURSERY, Springfield, N. J.

Help Wanted—Great business chance. Bright man wanted, well up in office work and who knows something of the seed and grain business; some capital required to obtain an important office in a well established, organized concern handling seeds and grain; located in the west; growers, dealers, and importers; a chance in a lifetime for the right party. Write, giving ability, means and references. Address
NEBRASKA, care Eastern office, Am. Florist, 42 W. 28th Street, New York, N. Y.

Wanted Partner—With money to develop and enlarge a good paying business; 3,600 feet of glass, want to double or treble size of plant. It is too small for present needs. Population 4,000. Other towns in easy reach. Partner who understands gardening preferred. For particulars, address
Box 278 Richmond, Mo.

For Sale—500 feet 5-inch greenhouse pipe, new, never been used. Address
GEO. REINBERG, 51 Wabash Ave., Chicago.

For Sale—A first-class pot delivery wagon, can be used by a commercial grower or a retail florist. Also a first-class two-seated wagon. Apply to
CHARLES MILLANG, 50 W. 29th St., New York.

For Sale—We offer a steel Kroschell boiler with water back; capacity 3,000 lineal feet 4-inch cast pipe in fine condition for \$80 f. o. b. South Bend. TREANOR & RETTIC, South Bend, Ind.

For Sale—14,000 feet of glass in central Indiana gas belt. Well paying, in full running order. Large stock; best rose soil. \$3000 on time; owner wishes to retire. Address
B, care American Florist.

For Sale—Greenhouses. Good location for local and shipping business. Well stocked; winter coal laid in. Will sell cheap if sold at once. Selling on account of failing health.
JAS. RICHARDSON, London, O.

For Sale—At a bargain; four greenhouses, well stocked; also cold frame sash; 2 room cottage, city water; houses heated by hot water; situated at Lynchburg, Va., a city of 25,000 inhabitants.
J. PALMER GORDON, Ashland, Va.

For Sale—House of five rooms, good basement, bathroom, etc., baro, mill and tank, one large greenhouse 40x130 feet, small propagating house, all new. Good stock of bedding plants, four vacant lots, each 40x140 feet, furniture, tools, pots, boxes, etc. A bargain at \$4,750. In San Jose, Cal. Address
WHOLESALE, care American Florist, Chicago.

For Sale—An elegant greenhouse plant, 40,000 feet of glass, 11 large greenhouses, 20 lots 125 feet deep, 500 feet frontage, fine dwelling house, etc., with modern conveniences; plenty of water and coal; good soil; everything in first-class order; all new. Have other business; have to give this up. There is money in it. I have made money, so can you. Try it. Terms reasonable.
W W, care American Florist.

For Sale—An excellent opportunity for some one wishing to go into the greenhouse business; four greenhouses and five acres of land at Oconomowoc, Wis.; can be purchased on reasonable terms. Excellent opportunities for growing cut flowers, vegetables and bedding plants. Fine local trade and good shipping facilities to nearby markets. For further particulars apply to
C. C. POLLWORTH Co., Milwaukee, Wis.

For Sale—Florist's retail business, with nice store and greenhouse 18x60, also space for two more greenhouses; established 12 years; good trade in designs, cut flowers, plants and decorations; business last six months \$1,500; neighborhood of four cemeteries; rent for store and dwelling, seven rooms, all conveniences, \$25 per month. House can be bought for \$5,500; business for \$3,500. Address
M M, care American Florist.

For Sale—Established greenhouses, Pocatello, Idaho, nursery, two dwelling houses, barn, 1500 square feet of glass. No other in Southeastern Idaho. Supplies Northern Utah and Western Wyoming, has unexcelled shipping facilities, six lines of railroad diverting into rapidly growing towns and country. It is a bargain, no competition. Must be sold on account of death. For further information address
CHURCH & WHITE Co., Pocatello, Idaho.

For Sale—On leased ground, at a bargain, greenhouses, dwelling, barn, sheds, etc., with 52 acres of leased land, cultivated in vegetables. Have a 12-year well established local business in vegetables, and a very good local as well as shipping trade in pascies and bedding plants. Call or write for descriptive circular. Can be bought with or without growing crop and stock plants. If not sold, will take a good, active partner able to run the business. Will sell for less than half actual value. Address
L. MOSBAEK, 8500 Anthony Ave., Chicago.

Flower Seed Man

WANTS POSITION as manager of the flower seed and bulb department of a prominent firm doing a general retail and wholesale business. 20 years' thorough, practical and commercial experience in flower seeds and bulbs; well up in composition of catalogues and advertising. Position must be permanent. Address "Flowerman," care Am. Florist, 42 W. 28th St., New York.

For Sale or Rent.

My greenhouse plant, well stocked with everything to start in with; no competition; it is a chance of a lifetime for some one with a small capital. Been established 25 years. It will pay any one looking for a place to come and look it over. Poor health and unable to run it myself are the reasons for selling.
C. P. DOW, 552 Main St., Laconia, N. H.

NOTICE

—OF—

STOCKHOLDERS' MEETING.

CHICAGO, July 1, 1904.

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 Rozier Hotel, St. Louis, Mo., Wednesday, August 17, 1904, 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.

Pittsburg.

More than 100 florists and their families were present at the eleventh annual picnic of the Pittsburg and Allegheny Florists' and Gardeners' Club, which was held in Ross Grove July 14. A more perfect day for an outing could not have been selected. Dancing, foot racing and base ball were the features. Two base ball teams were picked, consisting of Pittsburgers and Alleghenians, the Pittsburg team winning by a score of 10 to 2. Carney, of the Exchange, pitched for the winners. During the day a visitor appeared on the grounds with a chuck luck arrangement looking for easy money, but after a short stay he departed for home leaving Julius Ludwig and Christ Reiger with a net gain of \$13.

Charlie Siebert in a few days will let the contract for his new store room, palm and fern houses on Baum and Beatty streets. The store room will be 25x35 feet with a stair case effect. There will be an entrance on both Baum and Beatty streets and one large display window facing each street. The fern and palm houses will measure about 17x35 feet.

The Pittsburg Cut Flower Company reports business very quiet. Incoming supplies or consignments are not heavy, consequently there is very little surplus stock.

Mr. Zeiger and wife, of Siebert's, are preparing to leave for a three weeks' trip to La Mars, Ia. They will stop at St. Louis before coming home.

T. P. Langhans and family will leave about July 22 for a three weeks' fishing tour, with headquarters at Bobcaygeon, Canada.

Blind Brothers are sending in some very fine Harrisii lilies and are cutting some good American Beauty roses.

P. J. Deemas and wife, of the Exchange, left on July 18 for a visit to Chicago and St. Louis.

Billy Hall will spend the next two weeks in his garden in Allegheny.

John Bader has arrived home from Atlantic City and the east.

E. L. M.

TARRYTOWN, N. Y.—Secretary Neubrand is mailing possible exhibitors the premium list of the Tarrytown Horticultural Society for the fall exhibition to be held November 1-3.

Could Not Get Along Without It.

AMERICAN FLORIST CO.:—Enclosed find \$1 for the renewal of the AMERICAN FLORIST. I have taken your paper one year and find I could not get along without it one week so will send money before the time runs out so as to be sure not to miss a paper. F. H. ROCKWOOD.

**Pittsburg Florist Exchange
WHOLESALE FLORISTS.**

228 Diamond St., Pittsburg, Pa.
CONSIGNMENTS SOLICITED.

Please mention the American Florist when writing.

RICE BROTHERS
128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers billed at Market Prices.
Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Wholesale Flower Markets

MILWAUKEE, July 21.

Roses, Beauty, long per doz.	3.00
" " med. "	1.50@ 2.00
" " short.....	4.00@ 8.00
" Liberty	2.00@ 8.00
" Chatenay.....	2.00@ 6.00
" Bride, Bridesmaids.....	2.00@ 5.00
" Meteor, Golden Gate.....	2.00@ 5.00
" Perle.....	2.00@ 5.00
Carnations.....	.75@ 2.00
Smilax.....	15.00
Asparagus.....	35.00@50.00
Valley.....	3.00@ 4.00
Harrisii.....	8.00@10.00
Sweet peas.....	.25
Adiantum.....	1.00
Auratum.....	12.50
Gladioli.....	5.00@ 6.00
Candidums.....	5.00@ 8.00

PITTSBURG July 21.

Roses, Beauty, specials.....	20.00@25.00
" " extras.....	12.00@15.00
" " No. 1.....	6.00@10.00
" " ordinary.....	3.00@ 5.00
" Bride, Bridesmaid.....	2.00@ 6.00
" Meteor.....	2.00@ 6.00
" Liberties.....	3.00@ 6.00
" Kaiserin.....	2.00@10.00
Carnations.....	.50@ 1.50
Lily of the valley.....	3.00@ 4.00
Smilax.....	6.00@10.00
Asparagus, strings.....	25.00@50.00
Asparagus Sprengeri.....	1.00@ 2.00
Daisies.....	.50
Gladioli.....	6.00@10.00
Asters.....	1.00@ 3.00
Sweet peas.....	.10@ .50

CINCINNATI, July 21.

Roses, Beauty.....	1.00@ 3.00
" Bride, Bridesmaid.....	2.00@ 5.00
" Liberty.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 2.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	50.00
Smilax.....	15.00
Adiantum.....	1.00@ 1.50
Harrisii.....	8.00@12.50
Sweet peas	1.50@2.50 per 1000
Lilium Rubrum and Album, short	4.00

St. Louis, July 21.

Roses, Beauty, long stem.....	2.50@3.00
" Beauty, medium stem..	1.50@2.00
" Beauty, short stem.....	.50@ 1.25
" Bride, Bridesmaid.....	3.00@ 5.00
" Golden Gate.....	3.00@ 5.00
Carnations.....	1.10@ 2.00
Smilax.....	15.00
Asparagus Sprengeri.....	1.00@ 2.00
" Plumosus.....	25.00@35.00
Ferns, fancy, per 1000	\$1.50
Adiantum.....	1.00
Sweet peas.....	.25
Ismene lilies.....	3.00
Gladiolus.....	3.00@ 4.00
Asters.....	1.00@ 2.00
Tubes.....	3.00@ 4.00

**H. G. BERNING
Wholesale Florist**

1402 Pine St., ST. LOUIS, MO.

E. H. Hunt,

**WHOLESALE
Cut Flowers**

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

**J. M. McCULLOUGH'S SONS
WHOLESALE
FLORISTS**

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 WALNUT ST. CINCINNATI, OHIO.

Please mention the American Florist when writing.

**Peter Wieland
Wholesale Florist**

Room 18, 128 E. Third St.,
CINCINNATI, O.

**C. A. KUEHN,
Wholesale Florist,**

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

**HOLTON & HUNKEL CO.,
-- Wholesale Cut Flowers --**

457 Milwaukee Street.

MILWAUKEE, WIS.

Kaiserin Roses, Asters and Carnations

PITTSBURG CUT FLOWER COMPANY, Ltd.,
504 Liberty Avenue,
PITTSBURG, PA.

Successful Growers are Wanted

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

J. B. Deamud

WHOLESALE FLORIST

51-53 Wabash Ave., Chicago.

Headquarters for

FANCY FERNS.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

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.

Please mention the American Florist when writing.

A. L. RANDALL CO.

Wholesale Florists.

19 & 21 Randolph St., CHICAGO.

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

Please mention the American Florist when writing.

Valuable to Employers and Employees.

AMERICAN FLORIST CO.:—I must say
that the AMERICAN FLORIST occupies a
high position in keeping us constantly
posted on the doings of the trade. I
would not be without it as I consider its
notes and illustrations of great value to
myself and employes.

Helena, Mont. CHARLES O. HORN.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Chas. W. McKellar,

Wholesale Commission Florist

—AND DEALER IN—

ALL FLORISTS' SUPPLIES.

51 Wabash Ave., Chicago.

Long Distance 'Phone Central 3598.

Correspondence invited from growers of special-
ties in Cut Flowers.

Kennicott Bros. Co.

WHOLESALE COMMISSION FLORISTS

And Dealers In **FLORISTS' SUPPLIES**
All Kinds of

At Chicago Market Rates.

42-44 E. Randolph St., CHICAGO.

Please mention the American Florist when writing.

MICHAEL Winandy

Wholesale Grower
and shipper of **CUT FLOWERS**

Room 218, 51 Wabash Ave., Atlas Block, Chicago.
Telephone Central 3284.

SINNER BROS.

Wholesale Growers
and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telegraph and telephone orders
given prompt attention.

Wholesale Flower Markets

CHICAGO, July 22.

Roses, Beauty, 30 to 36-in. stems	3.00@ 4.00
" " 20 to 24 "	2.00@2.50
" " 15 to 18 "	1.50@ 2.00
" " 12 "	1.00@1.50
" Liberty.....	4.00@ 8.00
" extra select.....	10.00@ 12.00
" Chatenay.....	4.00@ 8.00
" Bride, Bridesmaid.....	3.00@ 6.00
" Meteor, Golden Gate.....	3.00@ 6.00
Carnations.....	1.00@ 1.50
" fancy.....	2.00@ 2.50
Valley.....	2.00@ 4.00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@6.00	
" Sprengerl.....	3.00@ 6.00
Leucothoe Sprays.....	1.00
Galax Leaves, Bronze, per 1000,	1.25 .15
Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns...per 1000	1.00@ 1.50
Smilax.....	12.00@15.00
Sweet peas.....	.20@ .50

A Daily Cut From 40 Growers

"Highest Qualities"

AS WELL AS

"Under Grades"

At ruling Market Quotations.

WE CAN AND WILL SUPPLY YOUR

Cut Flower Wants

TO ADVANTAGE.

Fancy Ferns, Etc.

We carry the most complete line of
Florists' Supplies in the West. Catalogue free.

E. F. WINTERSON CO.,

E. F. Winterston, John P. Degnan, L. H. Winterston,
Successors to McKellar & Winterston.

45-47-49 Wabash Avenue, CHICAGO.

D. WOOD BRANT,

SUCCESSOR TO

BRANT & NOE FLORAL CO.

—Grower of—

CUT FLOWERS AT WHOLESALE.

Careful attention given shipping orders.

58-60 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.

Poehlmann Bros. Co.

Wholesale Growers of

and
Dealers in **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

Greenhouses: 35-37 Randolph Street,
Morton Grove, Ill. CHICAGO.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE

Wholesale Growers and Shippers of

CUT FLOWERS,

59 Wabash Ave., Chicago.

SEND FOR WEEKLY PRIOR LIST.

WHOLESALE FLORISTS

The Best Thing Going.

AMERICAN FLORIST Co.—Enclosed find
order for \$1, subscription to the AMERI-
CAN FLORIST, the best thing going.

J. G. CROZER.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

WHOLESALE FLORISTS

CHICAGO.

Please mention the American Florist when writing.

Leo Niessen

WHOLESALE FLORIST,
1217 Arch Street, PHILADELPHIA, PA.

During the summer months we will be open from 7:00 a. m. until 6:00 p. m.

OUR MOTTO:

CAREFUL ATTENTION.
FULL COUNT.
GOOD PACKING.
PROMPT SHIPMENTS.
RIGHT PRICES.

BOSTON, MASS. WELCH BROS.

15 Province Street

All Varieties FLOWERS In Season. FANCY and DAGGER FERNS.
FLORISTS' SUPPLIES all kinds.

Long Distance Telephone, 6268-6267 Main.

N. F. McCarthy & Co.,



84 HAWLEY STREET.
.....BO-70N.

The Philadelphia Wholesale Flower Market.

1228 Cherry St., PHILADELPHIA.
THIRD FLOOR.

Open from 7 A. M. to 6 P. M. Telephones.

Please mention the American Florist when writing.

THOMAS YOUNG, Jr. WHOLESALE FLORIST.

CHOICEST CUT FLOWERS.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

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.

Please mention the American Florist when writing.

GALAX LEAVES.

Brilliant Bronze or Green. Selected stock, full count, \$1.00 per 1000. \$3.75 per 5000.
Sphagnum Moss, clean picked stock, large bale, \$1.75 each; by freight, \$2.00 each.

All kinds of Decorative Greens and Florists' Supplies.

Tel. 597 Madison Square. L. J. KRESHOVER,
110-112 W. 27th St., New York.

Please mention the American Florist when writing.

ADDITIONAL SLEEPING-CAR SERVICE.

The Nickel Plate Road has placed an additional vestibuled sleeping car on train leaving Chicago at 9:15 P. M. daily, and also on train from Cleveland to Chicago, arriving Chicago 7:40 A. M. daily, for passengers between Chicago and Cleveland, in both directions and intermediate points. Three daily trains. No excess fare. American Club Meals, ranging in price from 35c to \$1.00, served in Nickel Plate dining cars; also service a la carte and Mid-day Luncheon 50c. Chicago city ticket offices 111 Adams St., and Auditorium Annex. 'Phones Central 2057 and Harrison 2208. Chicago depot, La Salle St. Station, corner Van Buren and La Salle Sts.

16

Good Returns.

AMERICAN FLORIST CO.:—Being sold out of Boston and Piersoni ferns and having nothing more to offer, please take our advertisement out of your valuable paper and send in bill. We have had good returns from our advertising in your paper and will give you more advertising in the future.

CATION GREENHOUSE COMPANY.

Wholesale Flower Markets

BOSTON, July 20.

Roses, Beauty, best.....	15.00@20.00
" " medium.....	8.00@12.00
" " culls.....	50@ 4.00
" Bride, Bridesmaid.....	1.00@ 3.00
" extra.....	4.00@ 6.00
" Liberty.....	50@ 6.00
Carnations.....	50@ 1.00
" Fancy.....	1.00@ 1.50
Lily of the valley.....	3.00@ 4.00
Candidum lilies.....	1.00@ 2.00
Smilax.....	8.00@12.00
Adiantum.....	75@ 1.00
Asparagus.....	35.00@50.00
Peas.....	.25@ .50
Gladiolus Colville.....	1.00@ 1.50
Pond Lilies.....	3.00@ 6.00

PHILADELPHIA, July 20

Roses, Tea.....	3.00@ 5.00
" extra.....	6.00@ 8.00
" Queen of Edgely, extra.....	12.00@16.00
" firsts.....	6.00@ 8.00
" Beauty, extra.....	12.00@18.00
" firsts.....	6.00@ 8.00
Carnations.....	1.00@ 3.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Lilium Auratum.....	10.00@12.50
Gladioli.....	3.00@ 4.00
Asters.....	1.50@ 2.00
Sweet peas.....	.25@ .35

BUFFALO, July 20.

Roses, Beauty.....	3.00@25.00
" Bride, Bridesmaid, Meteor.....	1.00@ 6.00
Carnations.....	4.00@ 2.00
Hartisii.....	15.00
Lily of the valley.....	3.00@ 5.00
Asparagus, strings.....	40.00@50.00
Smilax.....	10.00@15.00
Adiantum.....	.50@ 1.00
Sweet Peas.....	.10 @ 20
Asters.....	.75@ 1.50

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

Fancy Ferns, \$1.00 per 1000.
Dagger Ferns, 90c per 1000.

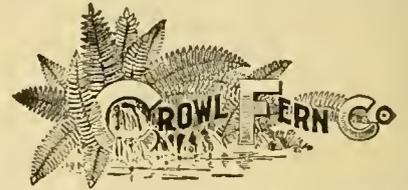
38-40 Miami Ave., DETROIT, MICH.

FOR SOUTHERN WILD SMILAX.

(Where quality is First Consideration)
Write, Wire or Phone the Introducers,
CALDWELL THE WOODSMAN CO., Evergreen, Ala.,
or their agents: J. B. Deamud, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; Leo Niessen, Philadelphia, Pa.; Geo. M. Kellogg, Kansas City, Mo.; J. M. McCullough's Sons, Cincinnati, O.; Reed & Keller, New York City; Holton & Hunkler, Milwaukee, Wis.; H. G. Berning, St. Louis, Mo.; Barteldes & Co., Denver, Colo.

HARDY CUT FERNS.

FANCY OR DAGGER, 75c per 1000. Discount on large orders. GALAX, bronze or green, 75c per 1000; \$6.50 per case of 10,000. Use our MOUNTAIN LAUR L for your decorations, 4c, 5c and 6c per vd. Made fresh daily from the woods. BRANCH LAUREL, 35c per large bundle.



Tel. Office, New Salem, Mass. Millington, Mass.
Please mention the American Florist when writing.

HARDY CUT FERNS.

Write for Prices.



FANCY DAGGER

L. B. BRAGUE, Hinsdale, Mass.

Oldest, Largest and most reliable dealer in U. S.
Please mention the American Florist when writing.

N. Lecakes & Co.

63 W. 28th St., and
45 W. 29th St., Also
at 26th St. and 34th
St. Markets

NEW YORK
FERNS, GALAX LEAVES, LEUCOTHOE SPRAYS.
OUR SPECIALTIES

GREEN AND BRONZE GALAX LEAVES,

75c per 1000; \$6.00 and \$6.50 per case of 10,000.
Princess Pine and all kinds of Evergreens.
Telephones 1214 Madison Square.

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Fancy and Dagger Ferns, A No. 1 Quality \$1.00 per 1000.

Very fine Bronze and Green Galax selected stock \$1.00 per 1000. Laurel Festooning, hand made, good and full \$5.00 and \$6.00 per 100 yards. Green Moss, \$1.00 bbl. Sphagnum Moss, \$1.00 per bbl.; per bag 50c. Branch Laurel, 50c per bundle. Discount on large orders.

Orders by mail, telegraph or telephone will receive our personal attention.

Henry M. Robinson & Co., 11 PROVINCE ST., L. D. Tel., 2618 Main. Boston, Mass.

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FLOWERS SHIPPED BY
JOHN I. RAYNOR

ARE THE BEST PRODUCT OF THE BEST GROWERS FOR THE NEW YORK MARKET.

Adiantum Croweanum 49 W. 28th Street, NEW YORK.
Sold here Exclusively. Tel. 1998 Madison Square.

YOUNG & NUGENT
Wholesale Florists.

42 West 28th Street,
Telephone 2055 Madison Sq.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

Walter F. Sheridan,
Wholesale Florist,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Telephone No. 759 Madison Square,



MOORE, HENTZ & NASH

Wholesale Commission Florists.

55 and 57 West 28th St. NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments, large or small, receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 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.
Telephone 1905 Madison Square.

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 Street, NEW YORK.
Telephone 551 Madison Square.

ESTABLISHED 1872.

JOHN J. PERKINS,

COMMISSION FLORIST,

Solicits Consignments or Shipping Orders.
Satisfaction given in both. Tel. 956 Madison Sq.
115 WEST 30TH STREET, NEW YORK.

Bonnot Bros.

WHOLESALE FLORISTS.

55 and 57 W. 26th St. New York.
Cut Flower Exchange,

OPEN 6:00 A. M.

AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.

A NEW COMMISSION HOUSE
—READY FOR BUSINESS.—

JOSEPH S. FENRICH

48 W. 30th Street, NEW YORK.

TEL. 325 MADISON SQ.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, July 19.

Roses, Beauty, best.....	5.00@20.00
“ “ medium.....	1.00@ 4.00
“ “ culls.....	.50@ 1.00
“ Liberty, best.....	6.00@10.00
“ “ medium.....	2.00@ 5.00
“ “ culls.....	.50@ 1.00
“ Bride, Bridesmaid, G. Gate.....	.50@ 5.00
“ Kaiserin, Carnot.....	2.00@ 6.00
Carnations.....	.50@ 1.00
“ fancy and novelties.....	1.00@ 2.00
Lily of the valley.....	1.00@ 1.50
Lilies.....	3.00@ 6.00
Smilax.....	5.00@10.00
Adiantum.....	.35@ .75
Asparagus.....	25.00@50.00
Gardenias.....	2 00@ 6.00
Sweet peas.. .50@ 1.50 per 100 bun.	
Gladioli.....	2 00@ 4.00
Feverfew.....	.05 per bun.
Asters.....	1.00@ 3.00

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which I can ship
terras and decorative plants promptly.

50 W. 29th St. NEW YORK.
Tel. 3860 and 3861 Madison Square.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.
Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS
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. 28th Street, NEW YORK CITY
Telephone 1664 and 1665 Madison Square.

THE NEW YORK CUT FLOWER CO.

55 and 57 West 26th St.,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments:
TELEPHONE J. A. MILLANG,
756 Madison Sq. MANAGER.

CARNATIONS My Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1891
Alfred H. Langjahr, 55 W. 28th St.
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

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INTERNATIONAL FLOWER DELIVERY.

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

Please mention the American Florist when writing.

NEW YORK.

ALEX. McCONNELL,
546 Fifth Avenue,
Cor. 45th. St. N.W New York City

TELEGRAPHIC Orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention. Cable Address: **ALEXCONNELL.** WESTERN UNION CODE.

TELEPHONE CALLS: 340 and 341 38th Street.
Please mention the American Florist when writing

LONDON.

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, FLORESCO, LONDON. LONDON, ENGLAND.

SAN FRANCISCO.
TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,
33 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,
241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,
FLORIST,
4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, L Dist. Phone Lindell 198 M.

PASSENGER STEAMSHIP MOVEMENTS.

The tables herewith give the scheduled time of departure of ocean steamships carrying first-class passengers from the principal American and foreign ports, covering the space of two weeks from date of this issue of the AMERICAN FLORIST. Much disappointment often results from attempts to forward flowers for steamer delivery by express, to the care of the ship's steward or otherwise. The carriers of these packages are not infrequently refused admission on board and even those delivered on board are not always certain to reach the parties for whom they were intended. Hence florists in interior cities having orders for the delivery of flowers to passengers on out-going steamers are advised to instruct the filling of such orders to some reliable florist in the port of departure, who understands the necessary details and formalities and has the facilities for attending to it properly. For the addresses of such firms we refer our readers to the advertisements on this page:

FROM	TO	STEAMER	*LINE	DAY	DUE ABOUT
New York.....	Liverpool	Lucania	1	Sat. July 30, 8.00 a. m.	Aug. 5
New York.....	"	Umbria	1	Sat. Aug. 6, 10.00 a. m.	Aug. 13
Boston.....	"	Ivernia	2	Tues. Aug. 2, 1.30 p. m.	Aug. 10
New York.....	Glasgow	Laurentian	1	Thur. July 28, 11.00 a. m.	Aug. 7
Montreal.....	Liverpool	Parisian	2	Sat. July 30,	Aug. 8
Montreal.....	"	Tunisian	2	Sat. Aug. 6,	Aug. 15
New York.....	Hamburg	Moltke	3	Thur. July 28, 10.00 a. m.	Aug. 7
New York.....	"	Deutschland	3	Thur. Aug. 4, 10.00 a. m.	Aug. 11
New York.....	"	Pennsylvania	3	Sat. Aug. 6, Noon.	Aug. 16
New York.....	Copenhagen	Oscar II	4	Wed. Aug. 2, 2.00 p. m.	Aug. 13
New York.....	Glasgow	Anchoria	4	Sat. July 30, Noon.	Aug. 9
New York.....	"	Furnessia	6	Sat. Aug. 6, Noon.	Aug. 16
New York.....	London	Minnetonka	6	Sat. July 30, 7.30 a. m.	Aug. 9
New York.....	"	Minnehaha	8	Sat. Aug. 6, Noon.	Aug. 16
New York.....	Liverpool	Oceanic	7	Wed. July 27, 5.00 p. m.	Aug. 4
New York.....	"	Arabic	7	Fri. July 29, 6.00 a. m.	Aug. 6
New York.....	"	Teutonic	7	Wed. Aug. 3, 10.00 a. m.	Aug. 10
New York.....	"	Celtic	7	Fri. Aug. 5, Noon.	Aug. 13
Boston.....	"	Cretic	7	Thur. July 28, 10.00 a. m.	Aug. 5
Boston.....	Genoa	Romanic	7	Sat. July 30, 11.00 a. m.	Aug. 13
New York.....	Southampton	New York	8	Sat. July 30, 9.30 a. m.	Aug. 6
New York.....	"	St. Paul	8	Sat. Aug. 6, 9.30 a. m.	Aug. 13
New York.....	Aatwerp	Vaderland	9	Sat. July 30, 10.30 a. m.	Aug. 8
New York.....	"	Kronland	9	Sat. Aug. 6, 10.30 a. m.	Aug. 14
New York.....	Havre	La Bretagne	10	Thur. July 28, 10.00 a. m.	Aug. 7
New York.....	"	La Champagne	10	Thur. Aug. 4, 10.00 a. m.	Aug. 14
New York.....	Rotterdam	Rotterdam	11	Tues. Aug. 2, 10.00 a. m.	Aug. 12
New York.....	Genoa	Citta di Torino	12	Tues. July 26,	Aug. 12
New York.....	"	Sardegna	12	Tues. Aug. 2,	Aug. 17
New York.....	Bremen	Kronprinz Wilh.	13	Tues. July 26, 2.30 p. m.	Aug. 2
New York.....	"	Fredrick der Grosse	13	Thur. July 28, 10.00 a. m.	Aug. 7
New York.....	"	Bremen	13	Tues. Aug. 2, 9.00 a. m.	Aug. 12
New York.....	Genoa	Konigin Louise	13	Sat. Aug. 6, 11.00 a. m.	Aug. 13
Boston.....	Liverpool	Canadian	14	Wed. July 27, 10.00 a. m.	Aug. 6
Boston.....	"	Cestrian	14	Wed. Aug. 3, 2.00 p. m.	Aug. 13
Montreal.....	"	Canada	16	Sat. July 30,	Aug. 7

* 1 Cunard; 2 Allen-State; 3 Hamburg-American; 4 Scandinavian-American; Anchor Line; 8 Atlantic Transport; 7 White Star; 6 American; 9 Red Star; 10 French; 11 Holland-American; 12 Italian Royal Mail; 13 North German Lloyd; 14 Leyland; 15 Dominion.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

Artistic Designs. 
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

DENVER.

The Park Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

Please mention the American Florist when writing.

JULY 29th

The Nickel Plate Road will run an excursion to Chautauqua Lake, N. Y., and return at one fare for the round-trip (\$14.00) from Chicago with return limit of August 30, by depositing ticket. No excess fare charged on any train on Nickel Plate Road. Cheap rates to other Eastern points. Three daily trains, with vestibuled sleeping cars. Individual club Meals, ranging in price from 35c to \$1.00; also service a la carte, and Mid-day Luncheon 50c in Nickel Plate dining cars. Write John Y. Calahan, General Agent, 113 Adams St., Room 298, Chicago, for particulars. Chicago city ticket offices, 111 Adams St. and Auditorium Annex. Phones Central 2057 and Harrison 2208. 14.

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.

INTERNATIONAL FLOWER DELIVERY.

STEAMSHIPS LEAVE FOREIGN PORTS.

FROM	TO	STEAMER	*LINE.	DAY	DUE ABOUT
Liverpool.....	New York	Campaioa	1	Sat. July 30	Aug. 6
Liverpool.....	"	Etruria	1	Sat. Aug. 6	Aug. 13
Liverpool.....	Boston	Saxonia	1	Tues. Aug. 2	Aug. 10
Glasgow.....	New York	Mongolian	2	Sat. Aug. 6	Aug. 16
Hamburg.....	"	Columbia	3	Thur. July 28	Aug. 7
Hamburg.....	"	Augusta Victoria	3	Thur. Aug. 4	Aug. 14
Hamburg.....	"	Pretoria	3	Sat. Aug. 6	Aug. 16
Copenhagen.....	"	United States	4	Wed. July 27	Aug. 6
Copenhagen.....	"	Hecla	4	Wed. Aug. 3	Aug. 13
Glasgow.....	"	Ethiopia	5	Thur. July 28	Aug. 7
Glasgow.....	"	Columbia	5	Sat. Aug. 6	Aug. 16
London.....	"	Minneapolis	6	Sat. July 30	Aug. 9
London.....	"	Mesaba	6	Sat. Aug. 6	Aug. 16
Liverpool.....	"	Baltic	7	Wed. July 27	Aug. 4
Liverpool.....	"	Majestic	7	Wed. Aug. 3	Aug. 11
Liverpool.....	"	Cedric	7	Fri. Aug. 5	Aug. 13
Liverpool.....	"	Republic	7	Thur. July 28	Aug. 5
Liverpool.....	Boston	Cymric	7	Thur. Aug. 4	Aug. 12
Genoa.....	"	Caenopic	7	Sat. Aug. 6	Aug. 21
Southampton.....	"	Philadelphia	6	Sat. July 30	Aug. 6
Southampton.....	New York	St. Louis	6	Sat. Aug. 6	Aug. 13
Antwerp.....	"	Zeeland	9	Sat. July 30	Aug. 6
Antwerp.....	"	Finlaod	9	Sat. Aug. 6	Aug. 15
Havre.....	"	La Gascogne	10	Sat. July 30	Aug. 9
Havre.....	"	La Touraine	10	Sat. Aug. 6	Aug. 16
Rotterdam.....	"	Noordam	11	Sat. July 30	Aug. 9
Rotterdam.....	"	Staatendam	11	Sat. Aug. 6	Aug. 16
Genoa.....	"	Nord America	12	Mon. July 25	Aug. 10
Genoa.....	"	Liguria	12	Mon. Aug. 1	Aug. 15
Bremen.....	"	Kaiser Wilhelm II	13	Tues. July 26	Aug. 2
Bremen.....	"	Prinzess Alice	13	Sat. July 30	Aug. 9
Bremen.....	"	K. Wil. Der Grosse	13	Tues. Aug. 2	Aug. 9
Liverpool.....	"	Devonian	14	Sat. July 30	Aug. 9
Liverpool.....	Boston	Bohemian	14	Sat. Aug. 6	Aug. 16
Liverpool.....	"	Vancouver	16	Thur. July 28	Aug. 6
Liverpool.....	Montreal	Dominion	15	Thur. Aug. 4	Aug. 12

* See steamship list on opposite page.

St. Paul.

Trade has kept up wonderfully well this season so far. Much of this has been the late weddings, and those doing a country business report outside business better than usual. Stock has been rather scarce, especially roses, but the new summer stock is now coming in and is the best seen here in years.

L. L. May and his oldest son have been quite seriously ill. Mr. May with an attack of typhoid fever and his son with pneumonia. We are glad to report that they are much better and will soon be able to be around again.

Miss Louise Dort, 385 E. Robie street, is erecting a house to grow violets in for the market. We understand she is as yet an amateur but hopes to succeed in her venture.

Wm. G. Schucht, Milwaukee, was a visitor and attended the picnic. He says that he thought it was the best he had ever attended.

Miss Tillie Brenner for years with E. F. Lemke, has resigned to prepare for her wedding which will take place in the near future.

Wm. Strehlow does not show up with the boys of late and we understand that we will soon have invitations from him.

O. J. O.

Louisville.

The last week has been very quiet with many of the craft, yet there was some funeral work which helped things along to an extent. There is little doing and the commencements are over. Roses of pretty fair quality can be had in quantity, but the demand is small. Carnations, which of course are small, are plentiful and have been selling well. Sweet peas still have a good demand and are plentiful. A few gladioli and dahlias are to be seen. Asters are coming on nicely, and a big crop is expected soon. The

weather has been very warm, but fortunately we have had a little rain, which helped things extensively.

There are at present three or four places for sale here and have been for quite a while, but buyers cannot be found.

John Bohrman, of Coenen & Company, will shortly go on his vacation of two or three weeks.

Sam Thompson contemplates a fishing trip with George E. Schulz, of Schulz's store.

George E. Schulz and brother Henry will spend their vacations in St. Louis.

C. H. Kunzman has been sending in some very good carnations. F. L. S.

Syracuse, N. Y.

About all the work florists here have had during the past few weeks has been filling funeral orders and all are busy planting. One of the most attractive pieces at the funeral of William Allen Butler last week was a medium sized wreath of Crimson Rambler roses and ferns, executed by Henry Morris.

Wm. S. Wheadon, who for many years has been manager of P. R. Quinlan & Company's retail store at 411 South Salina street, has resigned and will go into business for himself, having leased a store at 329 South Warren street.

One local florist, as an experiment has planted a house of violets. This house was planted the first week in July, whereas in this section it is not customary to house violets earlier than September 15.

A. V. B.

LOS ANGELES, CAL.—The carnation fields of the Ocean Park Floral Company at Ocean Park have had a record breaking season. They picked almost half a million of blooms in the month of May alone and 200,000 during Decoration day week.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans, it will be found a most valuable guide. \$4.00.

STEAM HEATING FOR BUILDINGS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

GINSENG (Kains).—At the present time when so much interest is taken in ginseng it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages with twenty-two illustrations. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insect pests and fungus diseases common to these plants. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is also some reference to the ornamental species. 50 cents.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

AMERICAN FLORIST CO.,

324 Dearborn Street,

CHICAGO.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention, June, 1905.

VISITED NEW YORK: F. H. Ebeling, Syracuse, N. Y.

CALIFORNIA calla bulbs have been shipped and deliveries may be expected soon.

SYRACUSE, N. Y.—Mrs. F. H. Ebeling and daughter sailed for Europe on S. S. Princess Alice July 14.

CHARLES JOHNSON is offering "The Seedsman's Assistant," being valuable tips by a seed expert; price \$5 each.

BAY CITY, MICH.—The Harry N. Hammond Seed Company, Ltd., announces that Harry N. Hammond is no longer an officer of that company.

THE increase in potato acreage, referred to in this column last week, was 3.4 per cent, not 34 per cent as might appear from some circulated copies.

THE government regulation with regard to the collection and testing of seeds to prevent adulteration, to which attention was directed in our issue of June 25, page 896, is now in full operation.

W. W. JOHNSON & SON, LTD., of Boston, Eng., who introduced the new Diamond potato last year, commenced selling the new crop July 5, booking several orders at the rate of \$5,000 per ton.

CONSUL ALBAN G. SNYDER, of Bogota, Columbia, says that if American merchants send him their different catalogues they will be placed on file in the public reading room of that consulate.

VISITED CHICAGO: Samuel Cole and wife, of Ventura, Cal., enroute to England on a three months' tour; Miss M. M. Stafford, secretary of the Charles C. Navlet Seed Company, San Jose, Cal.

ROCHESTER, N. Y.—James Vick's Sons report a most satisfactory season. The mail order business has been much better with them than for a number of years, so much so that they have experienced great difficulty in keeping lines of stock filled up, toward the end of the season.

FOR a consideration of \$2,500,000 the Chicago Dock Company, of which the Albert Dickinson Company is the principal shareholder, has sold its warehouses to the Illinois Tunnel Company. It is rumored that the Albert Dickinson Company will build at South Chicago elaborate warehouses, modern in every respect.

The French Bulb Crop.

The bullish tone assumed by some Europeans concerning the French bulb crop is well shown in the following from the Horticultural Trade Journal of July 6:

End of June sees the beginning of the export of bulbs. The crop has not been good; sizes of 13 cm. and above for white Roman hyacinths and the large blossomed narcissi are not equal to demands. When we come to the Freesia refracta alba "Mammoth" we can only say that the stock is sold, as the quantity on the market is so insignificant. The large blossomed narcissi are generally grown in parts containing water; they have suffered greatly on account of the dryness of the weather which prevailed during their growth, and must therefore be subject to great suspicion. Only sizes up to 12 cm. can be delivered; the 13 cm. is very feeble indeed.

Roman hyacinths offer no profit whatever in certain plantations. The sickness of the bulbs has assumed this season alarming proportions, and if the temperature in these regions does not improve considerably growers will be forced to discontinue their cultivation. Advices which we have received from America tell us that the merchants find the prices of French growers too high. One agent made to the First Syndicate of Bulbs in this region the offer to buy up all their stock of bulbs. To bring about, however, a drop in the market prices at the moment when he should have closed definitely he broke off all engagements, but the manoeuvre failed. We are certain that little will be left of the harvest, and that American merchants will be in the lurch when they want to make their purchase, as there will be nothing to sell to them as far as the French exporters are concerned, and we do not think that the prices will be any lower this season than they were last.

New White Potato.

Much interest has been taken in Solanum Commersonii, the Uruguay potato, says Consul Haynes, of Rouen, France, who supplies the following particulars with regard to it:

"This wild aquatic vegetable was introduced from the banks of the river Mercedes, Uruguay, and distributed in France by Professor Heckel, director of the Colonial Institute of Marseilles. In its original state the tubercle is very bitter, but Dr. Heckel pronounces the results of four years of experiments with it marvelous.

The leaves are small and slender, somewhat like those of the Irish potato, and the flowers are abundant, of a pale violet color and very odorous, the perfume resembling that of jasmine. New stems and tubercles branch off in every direction all the year, and after one planting the plant perpetuates itself from the broken roots left in the soil.

"The vegetable proper (that is, the tubercle) weighs from one to two and one-half pounds, and has a yellowish, wrinkled skin, covered with lenticels, which disappear after culture. The pulp, when cooked, has a slight greenish color. Of twenty-five taken by hazard and cooked with their skins on in 1901 all were very bitter; but of twenty-five thus taken in 1903 only eight were very bitter, seven bitter, five eatable, three good and two farinaceous. By peeling the number of bitter and very bitter ones were diminished by ten to twenty per cent, while the number of good and eatable ones were increased accordingly. The roughness of the skin and the number and size of the lenticels are usually in proportion to the acridness of the tubercles. In spite of their bitter taste animals are fond of them, especially when cooked.

"In 1903, upon a farm that cultivated the Solanum Commersonii, the severest cryptogamic maladies known made their appearance, yet ninety-eight per cent of the tubercles of this new potato were found intact, while of the Early Rose potato only fifteen per cent were good.

"Planting is done toward the end of March, preferably in level ground, so as to diminish drainage. The best depth seems to be about three inches. The digging, which is a little more difficult than that of the Irish potato, because the numerous tubercles extend in every direction, begins when cold has arrested the growth of the plant. In the same soil the yield is greatly superior to that of the ordinary potato. The Early Rose in one instance gave 3,000 pounds to the acre, the American Marvel 3,000 pounds and the Solanum Commersonii 8,500 pounds.

"This new vegetable does not seem to become acclimated until the second year. The size, appearance and taste are modified more rapidly after one year.

"The new potato requires humid, fresh, even marshy soil. In dry, sandy, clayey soil the yield has been twenty-five per cent less than in moist soil. The absence of sunlight causes a smaller yield, with smaller and inferior tubercles, and ten to fifteen days later ripening.

"The foliage, refused by rabbits, is eaten by horses, cattle and sheep. The flowers, which make their appearance about a month after the plant shows above the soil, continue to be very abundant until the harvest. A rude attempt to extract the perfume has furnished an exquisite, aromatic, very persistent but faint jasmine odor. In the fruit this perfume is so strong that when specimens were placed in an artificially heated room to dry the room was uninhabitable for the fifteen days they were there.

"There are three varieties of Solanum Commersonii, characterized by the color of the skin—the yellow, the rose and the violet. The last, which is the best for human consumption, presents the following characteristics: Enormous and uninterrupted production, absolute immunity from cryptogamic maladies, delicious flavor (much appreciated by animals), adaptability to moist soil and easy culture.

Yon Johnson on U. S. Seeds.

The garden seed distribution by the government of the United States has received so many jibes at the hands of politicians and paragraphers that it is refreshing to run across something out of the ordinary. Here it is; written by editor John Johnson, of the democratic St. Peter Herald. Congressman Davis' home is in St. Peter. Evidently he caused those seeds to reach Yon:

"Usually when favors are shown a newspaper by anybody, advertising to cover the favor is expected in return. The Herald's rates for advertising are 15 cents per inch, and having received garden seeds of the value of 15 cents we hasten to make good to the government. We would say that the U. S. is the largest distributor of seeds in the country and can back up its seeds. If they do not grow you can have them replaced until they do grow if it takes 100 years. Safe and conservative in their business methods you run no risks. This we think discharges our obligation."
—Jordan (Minn.) Independent.

Henry Mette,

QUEDLINBURG, GERMANY.

Grower and Exporter of Choice

Beet, Vegetable and Flower Seeds

PANSIES.

Mette's "Triumph of the Giants"

the most perfect and most beautiful in the world, \$6.00 per oz.; \$1.75 per $\frac{1}{4}$ oz.; 75c per 1-16 oz. Postage paid. Cash with order.

Please mention the American Florist when writing.

Freesia Bulbs.

CALIFORNIA GROWN.

Mammoth, $\frac{3}{4}$ -inch and up, per 100, 80c; per 1000, \$7.00.

Choice, $\frac{3}{8}$ to $\frac{3}{4}$ -inch, per 100, 65c; per 1000, \$5.00.

First Quality, $\frac{3}{8}$ to $\frac{3}{4}$ -inch, per 100, 45c; per 1000, \$3.00.

Samples mailed on application.

Vaughan's Seed Store,

CHICAGO:

84-86 Randolph St.

NEW YORK:

14 Barclay St.



DREER FERN SPECIALS.



CIBOTIUM SCHIEDELI.

We offer a nice line of this most valuable Tree Fern.

- 5-inch pots.....\$1.00 each.
- 6-inch pots..... 1.50 each.
- 7-inch pots..... 2.00 each.

ADIANTUM CROWEANUM.

The new Maidenhair for cutting, originator's stock. Strong, 3-inch pots, \$4.50 per dozen; \$35.00 per 100; \$250.00 per 1000.

NEPHROLEPIS SCOTTII.

The new Boston Fern that has come to stay.

- 3-inch pots.....\$4.00 per dozen; \$25.00 per 100.
- 6-inch pots, fine specimens.....\$2.00 each.
- 8-inch pots, fine specimens..... 3.50 each.
- 10-inch pans, fine specimens..... 5.00 each.

NEPHROLEPIS PIERSONI.

A fine lot of good young plants from 2 1/4-inch pots, 75c per dozen; \$6.00 per 100; \$50.00 per 1000.

NEPHROLEPIS BOSTONIENSIS.

Very dwarf, bushy, compact plants, the best that we have ever offered.

- 5-inch pots.....25 cents.
 - 6-inch pots..... 40 cents.
 - 7-inch pots..... 75 cents.
- Also a fine lot of 2 1/4-inch pots, 60c per doz.; \$4.00 per 100; \$35.00 per 1000.

ADIANTUM CUNEATUM.

An immense stock in fine condition.

- 2 1/4-inch pots.....\$ 3.00 per 100; \$ 25.00 per 1000
- 3-inch pots..... 6.00 per 100; 50.00 per 1000
- 4 inch pots..... 10.00 per 100; 90.00 per 1000
- 5-inch pots..... 15.00 per 100; 140.00 per 1000

DISH FERNS in large assortment of standard varieties, \$3.00 per 100; \$35.00 per 1000.

New Stocks of Flower Seeds now on hand including Pansies, Primulas, Myosotis, Daisies, Cinerarias and most of the Hardy Perennials.

SEE OUR CURRENT WHOLESALE PRICE LIST.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

California Callas

ARRIVING SOON.

Grown for us by Experienced Florists, dug only when well ripened and cured in the shade. They are as free from disease as possible.

Sizes and Prices for Fall Delivery, Healthy Bulbs up to Grade.

- Diameter. Per 100
- 1 1/4 to 1 3/4-inch..... \$5.00
- 1 3/4 to 2-inch..... 7.00

Vaughan's Seed Store,
84-86 Randolph St., Chicago,
14 Barclay St., New York.



Callas!! Freesias!!

NOW READY FOR DELIVERY.

CALLAS.

- 1 to 1 1/2 inches in diameter, per 100, \$3.00; per 1000, \$25.00.

FREESIAS.

- 3/8-inch in diameter, per 1070, \$3.00. 1/2-inch in diameter, per 1000, \$4.50.

The above prices are delivered your city.

TERMS: Cash with order.

We also carry a full line of Palm and Decorative Plant Seeds. Prices upon application.

GERMAIN SEED CO., LOS ANGELES, CAL.

Virginian Grown Bulbs

FIRM WELL CURED.

- POETICUS ORNATUS.....\$4.00 per 1000
- PRINCEPS MAX..... 5.00 per 1000

POAT BROTHERS, Etrick, Va.

It is good business policy to mention

The....
AMERICAN FLORIST

When you write to an advertiser.

HYDRANGEAS

For Summer Blooming.

We have a magnificent lot of Hydrangea Otaksa grown especially for JULY AND AUGUST FLOWERING.

The plants are just coming into bloom, just beginning to show color and will be in perfection during July and August, when they are in great demand at watering places and other summer resorts. There is nothing showier or more satisfactory for lawn decoration. We make a specialty of them, and find an increasing demand for them from year to year. They can be shipped anywhere safely by freight.

Large plants in tubs with from 12 to 15 flowers each, \$2.00 per tub. Larger plants in half-barrels, \$5.00 each.

We have also a fine stock of

BAY TREES.

Standard and Pyramids, at \$10.00 and \$15.00 each—according to size.

F. R. PIERSON CO., TARRYTOWN-ON-HUDSON, NEW YORK.

100,000 CALLA BULBS

READY TO SHIP.

Per 1000

- 1 -inch diameter.....\$25.00
- 1 1/4-inch diameter..... 35.00
- 2 -inch diameter..... 45.00
- 2 1/2-inch diameter..... 65.00
- 3 -inch diameter..... 95.00

ASPARAGUS PLUMOSUS NANUS, strong, 2-inch..... 23.00

CARNATIONS, field-grown, now ready: G. H. Crane, Success, America..... 80.00

New crop **GIANT MIXED PANSY SEED**..... 1/4-oz., \$1.00; 1-oz., \$4.00

New crop large **SHASTA DAISY SEED**..... trade pkt., 25c; 1-oz., \$5.00; 1-lb., \$50.00

250 plants or bulbs at 1000 rate. Charges prepaid to your city. Terms cash with order.

CALIFORNIA CARNATION CO., Loomis, Cal.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

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

NEW YORK.—August Rhotert sailed for Europe July 21 to be absent about ten weeks.

THE twenty-eighth annual meeting of the Georgia State Horticultural Society will be held at Tallulah Falls, Ga., August 4-5.

A LIBERAL application of pulverized sheep manure to the lawn and hardy perennial plants in midsummer will insure good results.

THE park commissioners of New Bedford, Mass., have voted to prohibit dogs, whether loose or in leash, from running in the city parks, and a penalty of \$20 for a violation of the regulation has been fixed.

LENOX, MASS.—The regular meeting of the Lenox Horticultural Society was held July 16, with President Jenkins in the chair. The discussion for the evening was on "Small Fruits." The society has arranged to hold an exhibition of annuals and perennials on Friday, August 5.

Boston Park News.

The viburnums have made a glorious show of flowers this year. Many of them are natives and most of them reliably hardy, sure to bloom and beautiful in fruit as well as flower. The viburnums stand in high esteem with the Boston park people and Mr. Pettigrew has planted them extensively throughout the system. *V. dentatum* and its later-flowering prototype *V. molle* have been remarkably fine as were also the English species *Lantana* and its American sister, *lantanoides*. *Plicatum* and *tomentosum* were in some cases injured by the severe cold and another Japanese species, *dilatatum*, was badly damaged. *Cassinoides*, *pubescens*, *acerfolium* and *Lentago*, the two last named being late bloomers, are all in good order and loaded down with bloom.

Mr. Pettigrew thinks of discarding *Rosa setigera* as a prominent feature of the parkway planting, this beautiful subject having been badly winter-killed for two successive seasons. It is much to be regretted that it has developed this unfortunate characteristic as, when in good condition, it makes an unrivalled spectacle. The *crataguses* are suffering terribly from the ravages of a leaf miner, many of the trees appearing as though fire had swept across them. The same pest has been at work on the alders also. Thus far no practical preventive has been found. *Pavia macrostachya* is being planted extensively. *Lonicera Morrowi* grows in appreciation also. It has been one of the most beautiful objects in the parks this season, whether in the characteristic symmetrical mound of growth or draped in irregular masses on the hill slopes.

The Metropolitan Park Commission is encountering determined opposition in its efforts to enforce the new law regulating the displaying of business signs in the park environs and some cases are likely to get into the courts.

British Trade Topics.

The leading firms of seedsmen were well represented at the annual show of the Royal Agricultural Society, which has just been held in London. Sutton & Sons, of Reading, made a brilliant display with their gloxinias and cut flowers. James Carter & Company, of High Holborn; Webb & Sons, of Strowbridge; Dicksons, of Chester; Little & Ballatyne, of Carlisle, and J. K. King & Sons, of Coggleshall, also had attractive exhibits. Their enterprise was not so fully rewarded as it deserved. The attendance of the public was very disappointing. The absence this year of the king and the prince of Wales made a great difference in the "gate money."

It is satisfactory to know that an authoritative trial is to be made of the Eldorado potato, which has beaten all records in this country as regards price, some of the early samples having realized about three times their weight in gold. W. J. Malden, who owns 2,000 plants, has made a present of some seed tubers of this costly variety to the National Potato Society, which is now conducting trials in different parts of the country. The society, under the presidency of Sir John Llewellyn, will hold an important exhibition of potatoes at the Crystal Palace in fall, and it is probable that a conference will also take place during the week.

There are several newcomers to be noted. Veitch & Company of Chelsea are showing a new strawberry, the Alake, named after the African chief who is now visiting this country. The new berry is a cross between Frogmore Late Pine and Veitch's Perfection. Laxton Brothers, of Bedford, have also another addition to their well known stock of strawberries in the Champion, which has been produced by crossing Supreme and Laxton. Hugh Low & Company, of Enfield, have brought out what is apparently much desired, viz., a yellow Malmaison carnation, Miss Alexandra James. They claim this to be the first true Malmaison of this color. The blooms are large and handsome. A new dahlia has been raised by Frewer Brothers, of Stowmarket, Suffolk,

to augment this increasingly popular class. It has been christened O. H. Frewer, after one of the principals. It has a pleasing tint of fawn, with shades of soft orange and buff. The florets are long and narrow and of good cactus shape, with an inclination to incurve. The firm's stock of dahlias comprises 600 different varieties.

This has been an early season for roses, and a big display is expected at the exhibition to be held next week by the national society in the Temple gardens in London. Mildew has given trouble to many growers. The most effective remedy for this is sulphide of potassium. The method of application is to put some pieces of the sulphide into a solution of hot, soapy water. The mixture is stirred and the sulphide is added until the water becomes a bright green.

Some of the British horticulturists have this week been visiting the Dusseldorf exhibition, where there is a magnificent collection of roses. There were 70,000 roses blooming in the grounds.

The British Gardeners' Association is being satisfactorily organized and is receiving a large measure of support. It is claimed that the new organization will tend to raise the status of the working gardener and secure for him better conditions.

Cedar Falls, Ia.

Joseph H. Bancroft & Son are building two new greenhouses and rebuilding an old one besides changing their hot water plant to steam. They have completed a new stone boiler room, 40x40 feet, and the foundations for two new 45 horse-power boilers.

Mr. and Mrs. Joseph Bancroft celebrated their fifty-fifth wedding anniversary July 4.

MARION, IND.—Gunnar Teitman is building two new houses. His specialty is prize-winning chrysanthemums. The varieties that he believes will be best this season are Wm. Duckham, Dr. Enguehard and F. A. Cobbold. His bench of Duckham looks especially fine and will be among the very best.



JOHN C. W. GREENING AND WIFE, MONROE, MICH.

(They were married over fifty years ago and may live to celebrate their diamond jubilee.)

THE BEST ROSE NOVELTY

**Dwarf
Crimson
Rambler**

Vaughan's
Seed Store
CHICAGO.
NEW YORK.

ORDERS BOOKED NOW.

Incarvillea Delavayi

Large stock, strong roots, for fall delivery.
Offered cheap per 100 and per 1000. For
prices apply to

ZOCHER & CO., Haarlem, Holland.

ATTENTION NURSERYMEN and FLORISTS.

Before buying your Holland grown nursery stock elsewhere, you should take advantage of our extremely low prices. We are headquarters for Roses, Hydrangea p. g., Rhododendrons, Azalea mollis, Paonias and Ornamental trees. It will pay you to keep in touch with us and advise us of your wants. When in Holland don't forget to call on us, and inspect our nurseries. Gouda is our railroad depot. **W. VAN KLEEF & SONS, The Nurseries, Boskoop, Holland.**



Send to **THE MOON Company**
For Trees, Shrubs, Vines
Your and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morriaville, Pa.

August Rölker & Sons,

IMPORT TO ORDER

Manetti Rose Stocks for grafting. Forcing Lilace, Lily of the Valley, Palms, Bay and Box Trees, Decorative Plants and Shrubs, Etc.

31 Barclay St. or P. O. Box 752, NEW YORK.

Jacs Smits, Ltd. NAARDEN (Holland.)

(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality.

When in Europe please inspect our nurseries. **NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot.**

When in Europe come and see us and inspect our extensive Nurseries. Gouda is our railroad depot.

HARDY, FANCY ORNAMENTAL NURSERY STOCK.

J. Blaauw & Co., BOSKOOP, HOLLAND.

Catalogue free on demand. Headquarters for the famous Colorado Blue Spruces, purest, bluest strain

The Cottage Gardens Co. (Incorporated.)

Queens, Long Island, New York.

Nursery Book, giving descriptions of nursery stock, peonies, etc., mailed upon application.

Philadelphia Rambler.

The new forcing rose, strong field plants, \$15.00, \$20.00 and \$30.00 per 100.

CRIMSON RAMBLER.

Extra well branched, \$8.00, \$11.00 and \$15.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

GRAND NEW RED ROSE

Etoile de France

(HYBRID TEA)

The Queen of the Red Roses for forcing. Of a rich, brilliant color, much more vigorous and easier to grow than Liberty. Ready for distribution Nov. 1, 1904 by

J. PERNET-DUCHER,

ROSE GROWER

VENISSIEUX-LES-LYONS, (Rhône, France.)

Please mention the American Florist when writing.

ROSE PLANTS CHOICE STOCK.

IVORY, 2½-in., \$3 per 100; \$25 per 1000; 3-in., \$5 per 100. BRIDESMAID, 2½-in., \$3 per 100; \$25 per 1000. PERLE, 2½-inch, \$3.50 per 100. This stock is all A1.

C. C. POLLWORTH CO., Milwaukee, Wis.

Roses! Roses!

Extra strong 4-inch stock. Bride, Bridesmaid Golden Gate and Wootton at \$6.00 per 100. Send now for samples. Cash with order from unknown correspondents.

Warrendale Floral Co., St. Paul, Minn.

Please mention the American Florist when writing.

ROSES.

If you are a little late with planting, be sure and send your order for good, live, healthy stock to

Geo A. Kuhl, PEKIN, ILL.

for any of the following varieties: Bride, Maid, Ivory, Golden Gate, Perle, La France, Wootton, Carnot, American Beauty.

Please mention the American Florist when writing.

AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROS., New Castle, Ind.
South Park Floral Company.

ROSES. CLOSING OUT PRICES.

2½ and 3-in., extra choice stock. Per 100

Golden Gate.....\$20.00

Bride.....20.00

Bridesmaid.....20.00

Mme. Chatenay.....30.00

Above prices cash with order.

JOHN BROD, Niles Center, Ill.

Please mention the American Florist when writing.

AMERICAN BEAUTY

3-Inch, \$5.00 per 100.

GATES, 2½-inch, per 100\$2.00

BRIDES and MAIDS, 2½-inch, per 100. \$2.50

RHOTEN BROS. CO., Box 5, Danville, Ill.

3-INCH ROSES. Splendid Strong Stock. Low Closing Prices.

Per 100 Per 1000

Bride, Maid, Ivory, Gate.....\$4.00 \$35.00

Beauty.....5.00 45.00

Perle, very fine.....5.00 50.00

2½-INCH.

Bride, Ivory.....2.50 20.00

Beauty.....3.00 25.00

Very low prices for very choice plants. Order at once. Stock will not last long at such prices.

W. H. GULLETT & SONS, Lincoln, Ill.

HARTFORD, MICH.—Delos R. Newton, in the employ of W. A. Hartman, died Thursday, July 7, aged 46 years.

Rose Plants.

Low Prices to Close Out.

STRONG STOCK FROM 2½-IN. POTS.

UNCLE JOHN The Finest pink rose yet

introduced; beautiful color, free bloomer, best money-maker. \$20 per 100; \$150 per 1000.

	Per 100	Per 1000
Mme. Chatenay.....	\$3.00	\$25.00
Sunrise.....	5.00	40.00
Liberty.....	5.00	40.00
Bridesmaid.....	2.50	20.00
Bride.....	2.50	20.00
Golden Gate.....	2.50	20.00

FROM 3-INCH POTS.

Mme. Chatenay.....	5.00	40.00
Bridesmaid.....	3.50	30.00
Bride.....	3.50	30.00
Golden Gate.....	3.50	30.00

2-YEAR OLD PLANTS FROM BENCHES.

American Beauty.....\$5.00 \$40.00

1-Year Old Bench Plants.

Liberty.....\$5.00 \$40.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,

51 Wabash Ave., CHICAGO.

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 sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to Wm. J. Stewart, 42 W. 28th St., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Philadelphia.

The seventh and deciding match in the convention series was bowled on the home alleys Wednesday evening, July 13. The scores were not record breakers, as but two men got over 500 in the three games. Commodore Westcott showed the youngsters that he had not forgotten how the game should be played, and carried off the honors with high game, 192 and the best total, making 540. The team selected by Yates had no trouble with the Robertsons and won every game. The score follows:

PLAYER.	1st	2d	3d	T ¹
Robertson.....	147	141	174	462
Adelberger.....	151	179	144	474
Anderson.....	173	97	115	385
Watson.....	172	185	123	480
Total.....				1814
PLAYER.	1st	2d	3d	T ¹
Yates.....	143	157	160	460
Connor.....	145	177	179	501
Kift.....	168	168	161	497
Westcott.....	167	181	192	540
Total.....				1988

At Chicago.

Following are the totals of the games rolled at Mussey's alleys on Tuesday evening of last week. The Also Rans secured one game of the series. Balluff of the Champions played in form worthy of the name, rolling in the first game the remarkable score of 254. Asmus also rolled consistently, passing the 200 mark twice. The ladies also contributed to the pleasure of the evening. Mrs. W. Kreitling reached 160 in her third game.

ALSO RANS.	1st	2d	3d
Geo. Stollery.....	189	169	154
John Paulus.....	160	147	142
John Degnan.....	190	193	180
P. J. Hauswirth.....	168	160	182
John Huebner.....	173	124	117
CHAMPIONS.	1st	2d	3d
Stevens.....	183	169	158
Balluff.....	254	172	153
Scott.....	146	167	136
F. Stollery.....	152	188	146
Asmus.....	205	167	209
Victor Krietling.....	154	153	185
LADIES.	1st	2d	3d
Mrs. Asmus.....	86	72	119
" W. Kreitling.....	101	100	160
" F. Stollery.....	62	61	70
" Geo. Scott.....	74	79	90
" Hauswirth.....	73	112	93
" E. F. Winterson.....	51	64	81
Miss Eastman.....	73	54	46

The third match of the handicap series rolled Tuesday evening resulted as follows. The Champions are now but fifty pins ahead of the Also Rans, and the deciding games next week will be highly interesting in view of the close score:

ALSO RANS.	1st	2d	3d
G. Stollery.....	190	140	156
Huebner.....	178	160	177
Paulus.....	188	147	156
Degnan.....	169	125	106
Winterson.....	169	155	155
CHAMPIONS.	1st	2d	3d
Asmus.....	151	153	163
Scott.....	152	165	179
Stevens.....	196	171	156
F. Stollery.....	190	192	172
Balluff.....	124	86	184
LADIES.	1st	2d	3d
Mrs. Scott.....	60	89	64
Mrs. F. Stollery.....	92	95	103
Mrs. G. Asmus.....	104	107	84
Mrs. E. Winterson.....	121	62	106
Miss Eastman.....	106	102	50

The Scores of 1903.

For purposes of comparison and for the delectation of the "form" players the totals of the 1903 S. A. F. tournament at this time will be of more than passing interest and will assist materially in sizing up the situation for the meet at St. Louis next month. Philadelphia won last year. Can she do it again? From reports from that city we note that with one exception the team of 1904 will be the same that rolled the Quaker City club to victory at Milwaukee. There are some changes in the Chicago line-up and many new faces from other cities will be seen. It is pretty safe to say that the teams that figured one, two at Milwaukee will again be the ones to lead. Which will be the winner? Here are the 1903 team totals:

Philadelphia.....	3036
Chicago.....	2962
Buffalo.....	2839
Milwaukee.....	2756
St. Louis.....	2745
Denver.....	2694
Detroit.....	2595
Cleveland.....	2587
Washington.....	2306
New York.....	2244

Twin City Florists' Picnic.

The Twin City florists' eleventh annual outing was held at Wildwood July 13, and barring the showers a very enjoyable time was had. There was a good turnout, some three hundred of the craft and their families leaving work for the day. These were divided about equally between St. Paul and Minneapolis, and if the weather had not been so threatening a good many more would have come. The committee had arranged a big programme of sports and games, with a fine lot of prizes, which were all keenly contested for.

The first number on the programme was the team bowling match between the two cities for a handsome gold medal and a gold button to each member of the winning team. The medal is a large one, and is to be contested for annually between the two cities. The members of the winning team each year are to receive a solid gold button. This match was for the highest total number of pins in three games, and St. Paul won out by 121 pins. The teams and the scores were as follows:

MINNEAPOLIS.	1st	2d	3d
John Mondson.....	121	123	113
William Desmond.....	112	94	142
Jake Weinstein.....	131	135	123
Oscar Carlson.....	109	92	126
E. Nagel.....	141	124	138
ST. PAUL.	1st	2d	3d
N. C. Hansen.....	121	130	116
Henry Puvogel.....	154	118	130
John Dill.....	118	115	112
William Swanson.....	85	145	136
O. J. Olson.....	140	149	176

The cause of the low scores was the damp condition of the pins and alleys, the balls rolling right through the pins and leaving bad splits. The open bowling contest was also an exciting event and brought out about fifty bowlers. H. Will won first prize of a set of books, valued at \$32; Wm. Swanson and O. J. Olson tied for second prize, which was for 100 Robert Craig carnations; P. Hansen, a ton of hard coal, with third highest; R. Wissing, a plate glass mirror, fourth highest; Gust. Malmquist, a case of matches, and Chris Bussjaeger, a bottle of rye. The ladies also had a turn at bowling, and they were nearly as many as the men. Miss Pausy Will won first prize, Miss Herrman second and Miss C. M. Will third.

The races were keenly contested. In the boys' race Joe Madden won, Dave Carlsen second, Eddie Puvogel third. The girls' race was won by Marie Carlsen, Lilly Bussjaeger second, Annie Franke third. The young ladies race was easily won by Miss Hansen, Miss Nellie Bussjaeger second and Miss Hartman third. The married ladies' egg and spoon race had some good prizes. Mrs. P. Schuster first, Mrs. Carl Peterson second, Mrs. Wm. Brenner third. The pie-eating contest at noon was a big feature. The pie was placed before each contestant and his hands were tied behind his back. H. Will won, with less than a second to spare. The pies were thick lemon-cream frosting, and the contestants were a great sight after it was over. The prize, which had not been announced previous to the contest, was a paper doll, and Mr. Will had a good time showing it around.

The men's foot race was one of the hottest of the day. One was for employes and one for employers, with a ton of hard coal as first prize for each. The employes' race was won by Chas. Hansen, Jr., Alex Bachner second and Frank Gustafson third. The employers' race was won by Henry Puvogel, N. C. Hansen second, with Henry Krinke and Charles Vogt tied for third.

The baseball game had to be postponed on account of showers till after the boat ride, but it got too late and one man from each team was selected to bowl the match off. H. Will was selected from Minneapolis and O. J. Olson for St. Paul and St. Paul won as usual. The steamboat ride was greatly enjoyed with refreshments and cigars at Ramsey pavilion across the lake. Mrs. Ludwig Anderson favored us with some fine solos on the trip, which were greatly appreciated.

The committee in charge were: Miss Katherine Hansen, Miss Gertrude Distel, Messrs. E. Nagel, Thomas Hall, Ralph Latham, Frank Gustafson, Wm. Swanson and O. J. Olson.

O. J. O.

NEWARK, N. J.—The Weathered Company, of New York, has just completed two fine new carnation houses for Wm. G. Muller, each 32x125 feet.

KOKOMO, IND.—W. W. Coles is building three new greenhouses. He has 25,000 carnations in the field which are fine. Several thousand cannas are doing nicely. A house of Kaiserin roses in which the plants have been carried over several years affords remarkable blooms at the present time.



PRESIDENT BREITMEYER OF THE S. A. F. AND PARTY STARTING ON PLEASURE TRIP.

SEASONABLE STOCK. ORDER NOW!

ASPARAGUS DECUMBENS, 2 1/4-inch.....	Per 100, \$4.00	LEMON, American Wonder, 2 1/4-inch.....	Per 100, 3.00
PLUMOSUS SEEDLINGS.....	per 1000, \$20.00	" " " 3-inch.....	4.00
" PLUMOSUS, 2 1/4-inch.....	4.00	" " " 4-inch.....	7.00
" " 3-inch.....	7.00	PANDANUS UTILIS, 5-inch.....	doz., \$4.00
" " 4-inch.....	15.00	ROSES, Clothilde Scupert, 3-inch.....	6.00
" " 5-inch.....	25.00	" " " 4-inch.....	10.00
CYCAS STEMS.....	per 100 lbs., \$8.00	" Mad. Petite Andre, 3-inch.....	7.00
FERNS, BOSTON, 2 1/4-inch, very strong.....	5.00	" American Beauty, 3-inch.....	\$8.00
" " 3-inch, very strong.....	10.00	" Bridesmaid, 2 1/4-inch.....	3.50
" " 4-inch, very strong.....	20.00	" Bride, 2 1/4-inch.....	3.50
" ADIANTUM FARLEYENSE, 2 1/4-inch.....	8.00	" Golden Gate, 2 1/4-inch.....	3.50
" " 3-inch.....	12.00	" Ivory, 2 1/4-inch.....	3.50
" " 4-inch.....	25.00	" Liberty, 2 1/4-inch.....	6.00
FERNS, ADIANTUM CHARLOTTE, 4-inch.....	15.00	" Meteor, 2 1/4-inch.....	3.50
FERNS, ADIANTUM CUNEATUM, 4-inch.....	15.00	" Perle, 2 1/4-inch.....	4.00
" " 5-inch.....	25.00	" La Detroit, 3-inch.....	25.00
		" Mme. Abel Chatenay.....	6.00

VAUGHAN'S SEED STORE, CHICAGO. GREENHOUSES AND NURSERIES, WESTERN SPRINGS ILL.

American Beauty and Liberty Plants

Have a few hundred of each left. Write **GEO. A. KUHL, Pekin, Ill.** Please mention the American Florist when writing.

Grafted Roses.

Bride, Bridesmaid, Golden Gate, Kaiserin, Woolton, 4-inch, \$20.00 per 100; 2-inch, \$15.00 per 100; \$120.00 per 1000. Own roots, 2-inch, \$80.00 per 1000.

GEORGE L. PARKER, Washington cor. Rockwell St., Ward 24, BOSTON. Please mention the American Florist when writing.

H. Weber & Sons, Carnations

Oakland, Md. Please mention the American Florist when writing.

LAWSON

Field-grown plants, extra strong, \$50.00 per 1000.

WEILAND & RISCH 59 Wabash Ave., CHICAGO.

Loomis Floral Co., CARNATIONS,

Loomis, Cal.

NEED A FIRST-CLASS Commercial White?

FRED. BURKI IS THE ONE. Has scored 88 points at the Detroit Carnation Convention and has been awarded a Certificate of Merit. Orders filled strictly in rotation. \$12.00 per 100; \$100.00 per 1000.

John Murchie, S. S. Skidelsky, SHARON, PA. 824 N. 24th St., Philadelphia.

CARNATIONS.

EXTRA STRONG, FIELD-GROWN PLANTS. The following varieties ready for immediate planting; Enchantress, \$10 per 100. Crane, Guardian Angel, Queen Louise, (the four best varieties for the northwest). Selected plants, \$8.00 per 100; strong plants, \$5.00 per 100.

CHRIS. HANSEN, St. Paul, Minn.

\$20.00 Rose Plants \$20.00

To make room and quick sale. 28,000 good, clean, and healthy stock. Large plants; been shifted twice. The following varieties only at \$20.00 per 1000; less at same rate: Perle, Bridesmaid, Bride, Liberty and Ivory.

Geo. Reinberg, 51 Wabash Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

NEW SCARLET CARNATION

The Cardinal.

AN IMPROVED ESTELLE.

Winner of prize for best 100 scarlet carnations at the Detroit meeting.

READY JANUARY 1, \$12.00 per 100; \$100.00 per 1000.

Introducers: **CHICAGO CARNATION CO., Joliet, Ill.**
S. S. SKIDELSKY, Philadelphia, Pa.
E. G. HILL CO., Richmond, Ind.

Please mention the American Florist when writing.

50,000 GRAFTED ROSES

READY FOR IMMEDIATE PLANTING. PERFECTLY HEALTHY. THE FINEST GROWN. LIBERTY, 3 1/2-inch pots, \$18.00 per 100. BRIDESMAID, BRIDE, IVORY, GOLDEN GATE, KAISERIN, 3 1/2-inch pots, \$15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

FIELD-GROWN Carnations

Per 100	Per 100
500 Prosperity...\$5.00	600 Manly.....\$6.00
3,300 Flora Hill..... 4.00	450 Walcott..... 6.00
4,500 Lawson..... 5.00	400 Enchantress... 8.00
2,800 Norway white 5.00	200 Flamingo.....15.00
2,500 G. Lord..... 4.00	100 White Lawson.15.00

CASH WITH ORDER.

JOHN FELKE, SR., Wilmette, Ill.

ASPARAGUS PLUMOSUS NANUS, 2-inch, 2 1/2 cents. DOUBLE HOLLY-HOCKS, strong, for early blooming, separate colors, 3c; mixed, 2c. Cash. Adams and U. S. Exp. BYER FLORAL CO., Shippensburg, Pa.

CHRYSANTHEMUMS.

STRONG, COOL GROWN STOCK.

Polly Rose, Glory of Pacific, Maj. Bonnaffon, White Bonnaffon, Col. Appleton, Perrin, White Ivory, Maud Dean. Rooted cuttings, \$1.25 per 100. 2 1/4-inch pots, \$2.00 per 100. Special price by the 1000. **COLEUS, Golden Bedder, Verschaffeltii and fancy mixed, 2 1/4-inch, \$1.75 per 100; \$17.00 per 1000. Rooted cuttings, 75c per 100.**

H. N. EATON, Agent. SO. SUDBURY, MASS.

It is good business policy to mention

The... AMERICAN FLORIST

When you write to an advertiser.

Milwaukee.

There is little to say about the condition of business except perhaps to note that trade in general seems to be up to and in most cases somewhat ahead of last July. There is an abundance of stock but a good part of it is very poor and it is with difficulty that orders for good stock are filled. Heavy shipments of candidum lilies have been arriving during the week with fairly good sale for them.

On Sunday, July 17, ninety local florists and their families went to Oconomowoc. This was the first picnic of the Florists' Club, but from expressions heard on all sides it will not be the last, as everyone present had a very enjoyable time owing to the perfect arrangements made by the committee in charge. On arrival at Oconomowoc the party was met by Otto Sylvester, who had all the arrangements in hand at that place and after refreshments the entire party enjoyed a boat ride on the lakes. The afternoon was spent in driving about the grounds of the many private summer homes. The florists' band, lead by J. Callahan, certainly made a hit on this trip.

Fred Davies of M. A. McKenney & Company, who has been ill at the Trinity hospital, is now on the way to recovery and will be able to be about in a few days.

H.

Can Not Get Along Without It.

AM. FLORIST Co.:—Please find enclosed money order for \$1 in payment of one year's subscription to the AMERICAN FLORIST. We can not get along without it.
C. M. ELLIS.

PRIMROSES.

Per 100
Chinese, 2-inch pots\$2.00
Forbesi, all ready July..... 2 00
Asparagus Plumosus Nanus Seeds, per 1000, \$4.50

Cash or C. O. D. **JOS. H. CUNNINGHAM, Delaware, O.**

BEGONIA

Gloire de Lorraine.

July Delivery, 2-in. pots, \$12.00 per 100.

Just Received large Importation

CATTLEYA GASKELLIANA

Inquire for Prices.

Julius Roehrs,

EXOTIC NURSERIES, Rutherford, N. J.

Roses, Stevia, Chrysanthemums.

Per 1000
10,000 3 1/2 and 2 1/4-inch MAIDS.. \$40.00 and \$20.00
10,000 3-inch BRIDES..... 40.00
10,000 3-inch BEAUTIES..... 50.00
2,000 2 1/4-inch "..... 35.00
2,500 3-inch GATES..... 45.00
500 3-inch FANNY DEGAN, \$4.50 per 100
1,500 PERLES..... 4.50 per 100
15,000 STEVIA..... 20.00
Routed Cuttings Stevia..... 12.00
CHRYSANTHEMUMS, Routed Cuttings, Ivory, Willowbrook, Christmas, Schrimpton, Intensity, Murdock, Parr, Jones, Whilldin, Bonnaffon, Pacific, Halliday, Sunshine, Appleton, Richardson, Monrovia, Harriet, Kalb, Rieman, Chatauqua, Gold, \$1.50 per 100.
POEHLMANN BROS. CO., Morton Grove, Ill.

ASPARAGUS.

Per 100
Plumosus Nanus, Seedling.....\$1.75
" " 2-inch, July..... 2.50
Sprengeri, \$18.00 per 100..... 2 00
Pansy Seed, July..... per ounce, \$4.00

BEGONIA REX

Extra line stock in good assortment.

From 3-inch pots, \$5.00 per 100.

Asparagus Tenuissimus, Strong, from 2-inch, pots, \$3.00 per 100.

Asparagus Plumosus, From 2-inch pots, \$4.00 per 100.

NATHAN SMITH & SON,

ADRIAN, MICH.

GERANIUMS...

Routed Cuttings. Fall Delivery.

Send for list of varieties now. You not only get a reduced price for early orders, but the cuttings can be shipped when just right.

Good cuttings will make good plants. I am going to give you good cuttings and want your orders whether for 100 or 20,000.

ALBERT M. HERR, Lancaster, Pa.

\$2.00

POSTPAID TO
Any ADDRESS



SAVES MANY TIMES ITS PRICE



THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 412 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn St.

CHICAGO.

4,000 Adiantum Cuneatum Plants.

The Cleveland Cut Flower Co.
52 and 54 High St., CLEVELAND, O.

2 1-2-inch Pots
100.....\$ 3 00
500..... 12.50
1000..... 22.00
CASH WITH ORDER.

ASPARAGUS PLUMOSUS NANUS.

We offer flats of Asparagus in which 1000 seeds were originally sown, now contain from 800 to 900 fine seedlings ready for 2½-inch pots, at \$10 00 per flat.

2½-inch Asparagus, \$3 per 100.

Holton & Hunkel Co.
MILWAUKEE, WIS.
Please mention the American Florist when writing

Asparagus.

First-class Stock at Bargain Prices.
5 per cent discount, cash with order.

PLUMOSUS, flats.....	Per 100	\$2.00
" 2½-inch.....		2.50
" 3-inch.....		6.00
" 5-inch.....		20.00
SMILAX, 2½-inch.....		1.50

No charge for packing.

The Nunnally Co.,
ATLANTA, GA.

Please mention the American Florist when writing.

Asparagus.

Plumosa Nanus.....	Per 100	Per 3000
Sprengerl.....	\$3.00	\$25.00
Deoumbens (Try it.).....	2.00	15.00
	3.00	

ALBERT M. HERR. Lancaster, Pa.

POINSETTIAS JULY AND AUGUST DELIVERY.

Strong, healthy plants.	Per 100	1000
2½-inch.....	\$8.00	\$50 00
3-inch.....	8.00	65 00

Terms cash. Satisfaction guaranteed.

Bentzen Floral Company,
4025 Marcus Ave., ST. LOUIS, MO.

POINSETTIAS July and August Delivery.

Strong, 2½-in., \$8.00 per 100; \$50.00 per 1000
Strong, 3-inch, 8.00 per 100; 65.00 per 1000
25 at hundred rate. Terms cash. Satisfaction guaranteed.

BAUR FLORAL CO, Erie, Pa.

20,000 Chrysanthemums

In good commercial kinds at \$2.00 per 100 from 2½ inch pots. Discount on large lots.
20,000 Rooted Cuttings, 85c per 100; \$7.50 per 1000. Orders shipped the same day received.

COOLIDGE BROS., SOUTH SUDBURY, MASS.

ATTENTION!! Orchid Growers.

JUST RECEIVED DIRECT FROM THE TROPICS
—ONCIDIUM VARICOSUM ROGERSII—
Strong imported plants, \$1.75 each, \$18.00 per doz.; \$125.00 per 1000.

ARTHUR T. BODDINGTON,
342 W. 14th St., NEW YORK.

50,000 SMILAX

Strong plants from 2¼-inch pots, \$1.25 per 100; \$10.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2¼-inch pots, \$2.50 per 100 \$24.00 per 1000.
ASPARAGUS SPRENCERI, from seed bed, ready for pots, \$1.00 per 100 \$9.10 per 1000. Cash.
GERANIUMS, J. Viaud, Mrs. E. G. Hill, Beaute Politevine, Nell Stoecke, from 2½-inch pots, \$2.00 per 100.

The W. T. Buckley Plant Co.
SPRINGFIELD, ILL.

SPECIALTIES

ROSES, from 3-inch pots, **In Best**
CARNATIONS, for all delivery, **Varieties**
CHRYSANTHEMUMS,
SMILAX, VIOLETS.

Prices Low. Send for List.

WOOD BROTHERS, Fishkill, N. Y.

VIOLET STOCK From pots. Now ready.

Marie Louise, Lady Campbell and Princess of Wales, \$20.00 per 1000. IMPERIAL, best dark variety, \$25.00 per 1000. COLEUS, 2½-inch, \$3.10 per 100; \$ 5.00 per 1000. LOBELIA, 3-inch same rate. MARQUERITES, 4-inch, \$6.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

VIOLETS

I make a specialty of violets and if you want good, clean violet stock, write for price. I can supply any quantity of rooted cuttings or in 2-inch pots to be delivered any time you want them. Swanley White, Marie Louise and Lady Campbell.

ELI CROSS, Grand Rapids, Mich.

Mary 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.

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.

GET IN THE SWIM

No Crop More Profitable.

GARDENIAS

THE TRUE FORCING VARIETY.

—WE HAVE—

Very Fine Plants.

3-INCH POTS.

\$10.00 per 100; \$75.00 per 1000.

4-INCH POTS.

\$16.00 per 100; \$150.00 per 1000.

Now is the Time to Plant.

—SEND FOR SAMPLES.—

JOHN BURTON, Assignee

ROBERT CRAIG & SON,

49th & Market Sts., PHILADELPHIA.

Please mention the American Florist when writing.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world, in four true colors, extra well-grown stock from 3 inch pots, \$7.10 per 100; \$65.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

Giant Cyclamen MY SPECIALTY

3-inch, \$8.00; 4-inch, \$12.00 per 100.

I can now offer seed of my well-known extra fine strain, new crop in 5 standard colors. Per 100 seeds, 75c; per 1000, \$6.00. Special prices on larger quantities.

C. Winterich, Defiance, O.

Alternantheras

Red and Yellow, from 2-inch pots, \$1.50 per 100; \$15.00 per 1000.

DAVIS BROS., Morrison, Ill.

SMILAX. 1,100 fine, clean plants, 2½-inch, \$2.00 per 100; \$18.00 per 1000. 500 at 1000 rate, cash. Sample 5c.

JOHN GEIMFORD, Wilton Junction, Iowa.

OUR DIRECTORY FOR 1904 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE TWO DOLLARS.

Cincinnati.

Business is fairly good and nearly everything in white flowers is being used up. Of course the warm weather is making flowers very small but with that they are moving pretty well.

The Elks are here and they have taken possession of the city. At the least calculation there are 40,000 strangers in town and the last to arrive is B. Rosens who lives in Brooklyn and sells Christmas hells. He is well satisfied with business and says every florist who bought from him last year is doubling his order this year. P. J. Hauswirth and Mrs. Hauswirth, of Chicago, are also here, but the writer was out when they called. Mr. Huner of the Memphis Floral Company, Louis Ulrich, of Tiffin, O., and Mr. Scharff of Van Wert, O., are also with us. The city is in holiday attire and everybody is bent on having a good time.

Miss Edith Kyrk has purchased the interests of her partner and in the future will conduct the business at 3446 Main avenue, Avondale on her own account.

ALEX.

WHITE LAWSON

WANTED.

Quote price on 200 field plants and state size. Address

R C, care American Florist, Chicago

Orchids!



Large shipments arrived in superb condition. See our advertisement in issue of July 2, page 937. Write for special list.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

Please mention the American Florist when writing.

GOOD FERNS.

BOSTON FERNS, short and bushy, each, 50c; per dozen, \$6.00; per 100, \$15.00.
PIERSONI FERNS, fine bushy plants, \$1.00 each; 8-inch, \$1.25 each.

JOHN SCOTT, Brooklyn, N. Y.
Keep Street Greenhouses.

Please mention the American Florist when writing.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER OF
Areca Lutescens
Kentia Belmoreana
Kentia Forsteriana

For our prices see page 551, Nov. 7th issue.

Please mention the American Florist when writing.

Boston Ferns.

\$5.00 per 100; \$40.00 per 1000, out from bench.

ANNA FOSTER FERNS, \$5.00 per 100; \$40.00 per 1000, out from bench. Larger plants 25c to 50c each. **ASPARAGUS PLUMOSUS NANUS**, 4-inch, \$10.00 per 100. **KENTIA PALMS**.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Please mention the American Florist when writing.

Boston Ferns.

2 1/2-inch \$1.00; 3-inch, \$3.00; 4-inch, \$15.00; 5-inch, \$25.00 per 100. 6-inch, 40c; 7-inch, 60c; 8-inch, 75c each.

PIERSONI, strong rooted runners, reduced to \$2.00 per 100.

DAVIS BROS., MORRISON ILL., and GENEVA, ILL.

Please mention the American Florist when writing.

CLEARING SALE AT AUCTION PRICES.

The Auction Day was too short to dispose of 50,000 Palms. You may have the undisposed lots at the prices we got at the auction.

- 50 6-inch LAT'N AS.....14 cents each.
- 200 6-inch ATANIAS, extra fine stock, very heavy.....30 cents each.
- 185 7-inch LATANIA.....50 cents each.
- 160 8-inch LATANIAS, very large, extra fine stock, very heavy.....\$1.20 each.

These are all worth double the price and are not the leavings of the auction. They are all good. All were sold in lots of 25 and as they stood.

- KENTIA BELMOREANA** 10,000 3-inch.....15 cents each; \$40.00 per 100.
- 500 **KENTIA BELMOREANA**, 6-inch.....70 cents each.
- 450 **KENTIA BELMOREANA**, 6-inch, extra heavy, ready for 7 inch.....\$1.00 a h.
- 200 **FOSTERIANA**, 7-inch, very heavy, of an perfect plants, \$1.50, regular price \$2.00.
- 400 **FOSTERIANA**.....7-inch made up, fine stock, \$1.25 each; \$13.50 per Doz.

These will make \$5.00 to \$6.00 plants now in one year.

- 100 **ASPIDIS RA**, green, 4-inch, 6 to 8 leaves.....25 cents each.

Hurry if you want these fine plants at these prices. It is absolutely the last chance as I have not more to offer after this, as all the houses are sold. The bulk of our stock went to the men you will have to buy from later. Ask them why they bought so heavily. No order less than \$10 at these prices. I wish to thank all my patrons for their confidence and friendship shown me; we have not one complaint. Going to Europe now at once.

ALBERT FUCHS, 2045-59 Clarendon Ave., CHICAGO.

Cheap Palms and Asparagus

- Per 100
- Latania Bor., 2-in. pot, seed leaves.. 3.00
- " " 3-in. pot, 15-18 in., 2-3 chr. lvs. 12.00
- " " 5-in. pot, 18-20 in., 3-4 chr. lvs. 15.00
- " " 5-in. pot, 20-24 in., 4 chr. lvs. 20.00
- Kentia Bel., 2 1/2-in. pot, 8-10 in., 2-3 leaves..12.00
- " " 2 1/2-in. pot, 15-18 in., 3-4 leaves..15.00
- Asparagus Sprengerii, 2-inch.....\$2.00
- Asparagus Plumosus Nanus, 2-inch.....2.50
- 3-inch.....5.00

SHERMAN NURSERY CO., CHARLES CITY, IA.

Please mention the American Florist when writing.

Geo. Wittbold Co.,

1657 Buckingham Pl., CHICAGO, ILL.

Send for Price List.

DRACAENA TERMINALIS.

From 5-inch pots, \$3.00 per dozen.

Please mention the American Florist when writing.

BOSTON FERNS.

Cut from Bench, \$4.00, \$8.00, \$14.00 per 100.
Fine stock to pot.

D. J. MACKEY, Sandusky, Ohio.

Please mention the American Florist when writing.

HAVE AN EXTRA-NICE LOT OF

Pierstoni AND Bostons

In 10-inch pans; also in 6 and 7-inch pots, as well as all other sizes from 2 1/2-inch up.

Write **GEO. A. KUHL, Pekin, Ill.** For Prices.

ASP. SPRENGERI PLANTS

In 4 to 7-inch pots. Fine stock in large quantity at a bargain.

J. H. BORNHOEFT,

TIPTON, IND.

Cannas 20 BEST VARIETIES

See our display at the World's Fair.

CARNATIONS All the standard kinds for fall delivery.

—WRITE FOR PRICES—

W. W. COLES, Kokomo, Ind.

HEADQUARTERS FOR

AURAGARIA EXCELSA

—MY OWN IMPORTATION.—

5 1/2-inch pots, 3 to 4 tiers 10 to 12-inches high, 50 to 60c; 12 to 15 inches high, 3 to 4 tiers, 75c; 15 to 18 inches high, 3, 4 to 5 tiers, 85c.

KENTIA FORSTERIANA and **BELMOREANA**, 6-inch pots, 5 to 7 leaves, 28 to 35 inches high, 75c to \$1.00 each.

ASPARAGUS PLUMOSUS NANUS, 3-in. pots, strong, \$8.00 per 100.

CYCAS REVOLUTA, 6, 7 and 8-inch pots, from 5 to 20 leaves at 8c per leaf.

FICUS ELASTICA, (Belgium), 4-inch pots, 25c.

Home Grown Rubbers, 5 to 5 1/2-inch, 7, 8, 9 and 10 leaves, 30c, 35c, 40c, 50c.

ARECA LUTESCENS, strong, made-up plants, 5 1/2-inch pots, 50c.

LATANIA BORBONICA, 5 1/2-inch pots, strong, 35c.

ADIANTUM CUNEATUM, (Maiden Hair Fern), bushy, \$1.20 per dozen.

BOSTON FERNS, 6-inch pots, 2-feet high, 18 to 20 fronds, 50c.

PIERSONI FERNS, pot-grown, 4 to 6 fronds, \$8.00 per 100.

AGORUS GRAMINEUS, variegated grass, \$1.00 per dozen.

Cash with order please. All goods travel at purchasers' risk.

Godfrey Aschmann,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Tioga 3669 A.

1012 Ontario St., Philadelphia, Pa.

Please mention the American Florist when writing.

A FEW GOOD THINGS YOU WANT.

KENTIA BELMOREANA and **FORSTERIANA PALMS**, 3, 4, 5 and 6-inch, \$12, \$25, \$40, \$100 per 100.

DRACAENA INDIVISA, 3-inch, \$5 per 100; 4-inch, \$10 per 100.

BOSTON FERNS, 5-inch, \$30 per 100. From beds, for 2, 3 and 4-inch pots, \$4, \$8, \$15 per 100.

ASPARAGUS PLUMOSUS, 3-inch, \$8.00 per 100.

GERANIUMS, 2-in. pot plants. Double and single Grant, Bonnot, S. A. Nutt, Perkins, La-Favorite, John Doyle, Riccard, Mrs. E. G. Hill, Mme. Salleron, Poitevine, \$2.50 per 100. 3-inch, \$5.00 per 100.

2 1/2-inch **VINCA VAR.**, **LOBELIA**, **SALVIA**, **COLEUS**, **ALTERNANTHERA**, red and yellow Single and Double **PETUNIA**, **HELIOTROPE**, Golden Gate and Bridesmaid **ROSES**, **DRACAENA INDIVISA**, **VERBENA**, **LEMON VERBENA**, \$2.00 per 100.

CASH OR C. O. D.

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

Please mention the American Florist when writing.

BOSTON FERNS.

2 1/2-in. 3c; \$30.00 per 1000. 3 1/2-in. 7c; \$70.00 per 1000.

Pierstoni 3 1/4-in., 10c; \$100 per 1000. 5-in., 25c; \$25 per 100. 6-in., 35c; \$35 per 100.

Asparagus Plumosus Nanus, strong, 3 1/4-in., from bench, ready for 4-in., 7c; \$7 per 100; \$70 per 1000.

Cash with order, please.

H. H. Barrows & Son, Whitman, Mass.

We Are Selling

RIGHT ALONG TO FLORISTS WHO APPRECIATE THE VALUE OF HUSTLING FOR BUSINESS, ALL THE YEAR ROUND.

IN SUMMER there is a steady sale for Flower Vases, Jardinières, Sheaves, Cycas Leaves and Wreaths and all the thousand and one Sundries that we keep in stock all the time to accommodate every want. All orders, however small, receive careful attention.

H. Bayersdorfer & Co.,
50-56 N. Fourth St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

Tin Foil

Plain, Fancy, Printed & Mounted.

Manufactured by

The Conley Foil Co.

521 to 541 West 25th St.,
NEW YORK.

CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No.	0	3x	4x20	.....	\$2 00	.....	\$19.00
"	1.	3x	4½x16	.....	1.90	.....	17.50
"	2.	3x	6x18	.....	2.00	.....	19.00
"	3.	4x	8x18	.....	2.50	.....	23.00
"	4.	3x	5x24	.....	2.75	.....	26.00
"	5.	4x	8x22	.....	3.00	.....	28.50
"	6.	4x	8x28	.....	3.75	.....	36.00
"	7.	6x	16x20	.....	5.50	.....	54.00
"	8.	3x	7x21	3.00	28.50
"	9.	5x	10x35	6.50	62.00
"	10.	7x	20x20	9.50	67.50
"	11.	3½x	5x30	3.00	28.50

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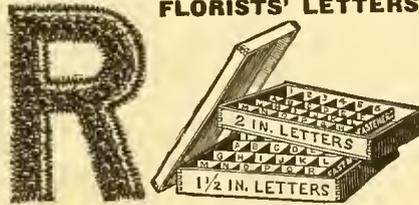
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Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong Plants are only grown in Clean Pots. Send for description. Sold direct \$15.00 net F. O. B. Joliet.

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And have been used by Gardeners all over the world for over a

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Are perfect plant foods and stimulants. Are becoming more popular every year.

Freight paid on quantities.

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European Horticulture.

(From the German Trade Papers.)

RHODODENDRON HYBRIDS.—It is not often that one sees or hears of anything new in rhododendrons. All the more interesting, and indeed a great attraction, proved a group of exceptionally well grown hybrids staged at the spring exhibition at Berlin by their originator, Otto Schulz. They were a real surprise to all lovers of a class of plants now only too sparingly exhibited in good form or found represented in collections by well done specimens of the rarer varieties. These new rhododendrons, therefore, called forth unstinted admiration, for they were not only new but displayed a compact, symmetrical form of growth, an unexcelled luxuriance of foliage, and, above all, a strange, exquisite coloring in their flowers. To all these who wonder why meritorious novelties in this class of plants are such a rare sight, and hardly ever met with in a life time, a few data from an account of his experience by the raiser of these hybrids may serve as a partial explanation. In 1890 he bought from T. J. Seidel, Dresden, for \$35, a plant of Rhododendron Griffithi, a variety from the Himalayas almost unknown at that time and scarce even now. The wonderfully formed florets or bells of its pure white flowers tempted him to select it as a seed-bearer in his attempts at hybridizing. The crossing of this sort, which is quite tender in its constitution, with absolutely hardy varieties became desirable, and the pollen from hybrids of the Rhododendron arboreum type was used, and resulted in successful fecundation. The Rhododendron Griffithi willingly bore seeds, and about 250 little plants from this source were in his possession the second year. By dint of frequent transplanting and extra good culture the plants grew nicely, and in the course of years into some size. But it took fully ten years before any of the plants showed any signs of bud-formation. In 1901, by keeping them rather dry and exposed to the fullest sunshine, he was enabled to detect on ten of the plants, now fully grown, the first so fervently hoped for buds. One of these ten flowered in November of the same year, the color being a splendid bright red, while the other nine bloomed the following spring, greatly surpassing in beauty the first one. Since then a few others have bloomed, the seventeenth one in August 1903. This one, as well as the first one, it is hoped, will furnish in time an excellent set for forcing purposes, while some of the others, no doubt, will prove perfectly hardy for outdoor culture. The entire lot has since been purchased by a firm in Holland.

LORRAINE BEGONIA'S LATEST RIVAL.—By the firm Thibaut & Ketteler, at Sceaux, France, a new Begonia originated by crossing Begonia Socotrana with Begonia subpeltata. It has now been introduced into Germany by J. Lambert & Sons, Trier, and is most highly spoken of by all who have seen it. This new hybrid bids fair to become as popular a plant as the now so well known Begonia Gloire de Lorraine and perhaps more so, since its propagation is less difficult and more rapid, its flowers of a brighter color, a light rosy pink, the beauty of which is greatly enhanced by a broad, glistening, dark brown foliage. If well grown this begonia reaches a height of over two feet, and its habit of growth is said to be remarkably strong and robust. The flowers are produced in countless numbers from the end of October until the following spring on such stout stems, fifteen to twenty inches long, that their use as choicest cut material alone will render the culture of Begonia Gloire de Sceaux most profitable. However, it is unexcelled as a high grade winter blooming pot plant, and as such it will be hailed with pleasure. Its treatment does not differ essentially from that of Begonia Gloire de Lorraine.

A BEAUTIFUL GARDEN IN EUROPE.—More than 10,000 people of all classes have this spring visited the gardens and glass houses of N. V. Rothschild at Vienna on the days, ten so far, when they were thrown open to the public. Nothing in Continental Europe it is asserted, equals these grounds devoted to the highest known type of ornamental horticulture and decorative art. In their gorgeous display of Flora's choicest gems, their wealth of verdant and blooming plant life in rare, strange and priceless specimens on all sides and in their wonderful effects in arrangements, devised by the most refined artistic taste and faultless judgement, these grounds present a picture of indescribable beauty. Marvelous indeed are the results attained here by the owner's unlimited wealth and the cultivator's skill and patience. One of the many wonders in horticulture, as seen here, is a specimen of Bougainvillea glabra, for the first time exhibited to the public this season. This plant, at present in full bloom, grows from a single stem, and with its countless thousands of flowers resembling butterflies in form and sparkling gems in color, occupies and fills an entire house alone, seventeen feet wide and over sixty feet long.

REVIVAL OF INTEREST IN CACTI.—A collection of wonderfully staged and superbly grown plants of the cactus family at the great international show at Dusseldorf proved a most attractive exhibit and were awarded an extra prize. Several groups of new hybrids of the phyllocactus section surpassed anything yet seen in that line; the number, size and color combination in their flowers being veritable revelations even to those old and gray in floriculture.

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Sample Free. For sale by dealers.

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CANES**

\$6.00 per 1000.

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"Eureka"
Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

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Dried, Unpulverized and Pulverized.

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Do not be put off with cheap substitutes.

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CHRYSANTHEMUM MANUAL.

NEW BOOK BY ELMER D. SMITH.

IS NOW READY.

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Visitors who have been within our gates the last week were: Wm. Dilger and A. Beibb, of Detroit, who were on an automobile tour; Phil Breitmeyer, S. A. F. president; Charles Grant, who manages the Waldorf store in New York for Small & Sons; Harry Balsley, Detroit, Mich.; T. A. Webb, carnation grower for the Dale estate, Brampton, Ont.

The sage of Corfu is writing hints under the windmill, where the cool breezes fan his brow, and meditating whether it is better to remain there or come to Buffalo and arrange for the Florists' Club picnic before he goes to St. Louis. We know he will be at the latter, but the other is in doubt.

The Wm. Scott Company has formed a close corporation, and is going to run a private employes picnic at Corfu and have a ball game with the Corfu club. A good time is certainly in store for them. When will Buffalo and Rochester play ball again? Each has won a game.

A trip in the vicinity of Delaware park last week showed everything in fine order and Captain Brink's grounds are well worth looking at.

Jerry Brookins, Orchard Park, was first with asters, and his sweet peas are by far the finest sold here this season.

S. A. Anderson expects to make extensive alterations in his store next month.

We notify Prof. Cowell now that visitors will be at South park soon.

The different stores are giving their employes vacations.

S. A. Anderson has some fine auratum lilies. BISON.

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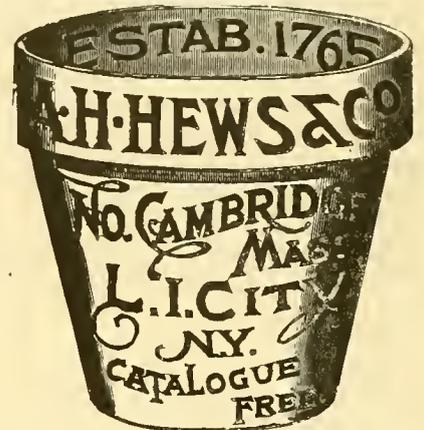
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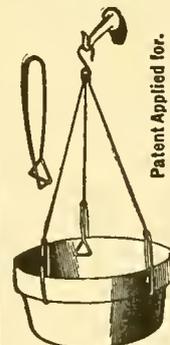
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W. C. King on Monday evening of this week executed an order for a house decoration in honor of the twenty-fifth anniversary of the wedding of Mr. and Mrs. B. L. Steefel, of 721 Madison avenue. Mr. King used about one hundred strings of *Asparagus plumosus*, 75 strings of smilax and foliage plants in abundance.

Four rooms of the handsome residence were decorated in color schemes of pink and green. In the shrubbery surrounding the dwelling electricians had placed a large number of incandescent lights which added greatly to the spectacular effect.

H. L. Menand has removed his wholesale florist supply store from Menand's Station to 34 Williams street, Albany, which he has leased from July 1. Mr. Menand will not deal in flowers.

W. Carl Kurth of Eyres' is spending his vacation in the Helderbergs.

R. D.

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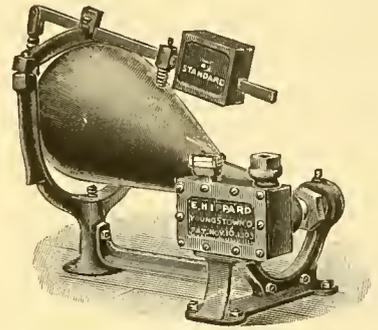
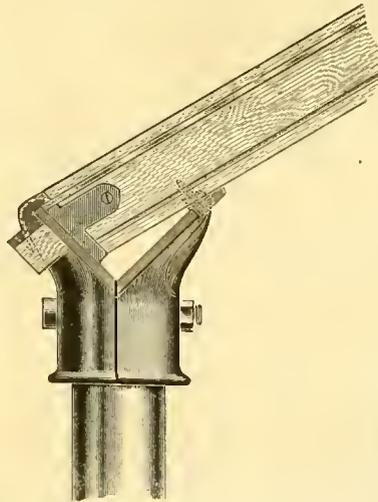
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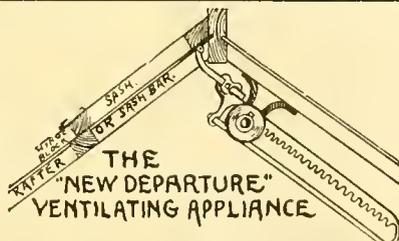
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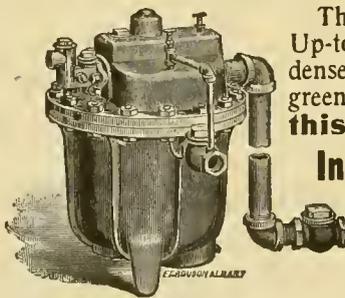
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