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COMPLIMENTS
of the SEASON.

1891.

James Vick
Seedsman.

ROCHESTER, NEW YORK.

JOHN W. PUCK CO.
PUCK BLDG. N.Y.

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\$1,000.00 CASH, GIVEN AWAY!

PRIZES OPEN TO THE WORLD.

	First Prize.	Secoud Prize.	Third Prize.	Fourth Prize.
Cabbage, for largest and best three heads All Seasons,-----	\$65.00	\$30.00	\$20.00	\$10.00
Celery, Golden Self-blanching, twelve plants, largest and best blanched,-----	65.00	30.00	20.00	10.00
Potatoes, best peck, Vick's Perfection,-----	65.00	30.00	20.00	10.00
Cauliflower, largest and best three heads, Vick's Ideal,-----	65.00	30.00	20.00	10.00
Tomatoes, largest and best twelve McCollums' Hybrid,-----	65.00	30.00	20.00	10.00
Musk Melon, largest and best three Irondequoit Melons,-----	65.00	30.00	20.00	10.00
Onion, largest and best twelve Danvers Yellow,-----	65.00	30.00	20.00	10.00
Mangel, largest one Golden Giant,-----	65.00	30.00	20.00	10.00

CONDITIONS OF THIS OFFER.

Vegetables must be grown from seeds purchased of us this year.
Exhibits must be made at State Fair of 1891, to be named hereafter.
Premiums to be awarded by regular judge appointed by Directors of State Fair.

Vegetables must be delivered free at Fair Grounds, all charges having been prepaid by grower.

Directions for shipping, with place and date of holding Fair, will be mailed each party who intends to compete for these prizes.

Every person desiring to compete for these prizes must state which of the prizes they wish to enter for, with their name and address on a separate piece of paper, and enclose the same with their order for seeds.

A person may enter one or more varieties of vegetables, and each variety will stand four chances of receiving a premium.

We will receive and arrange all exhibits, so that growers at a distance can ship their vegetables feeling assured that all will receive the same care and attention.

The judges will not know the exhibitors names till after premiums are awarded, which awards are made at opening of Fair, and immediately thereafter the name of grower, neatly painted, will be placed over each exhibit.

No place has been named for holding the exhibit for these prizes, for the reason that most of the Agricultural Societies have their annual meetings, where a matter of this importance would be decided, in January, a month after Vick's Floral Guide is printed.

We are thinking of selecting one of the leading Fairs located near the center of the population of the United States, and to this end are in correspondence with Agricultural Societies of the following States: Indiana, Michigan, Ohio, and New York.

If our customers who intend competing for these premiums will kindly name the Fair where they prefer the exhibition held, it will help to decide the matter.

A letter will be mailed each exhibitor as soon as convenient, informing them of location and date, though the fairs are generally held about the first of October.

FINE VEGETABLES.

Some forty years ago a few varieties of fine vegetables, superior to any then in use, were introduced into this country, and their introduction marks the commencement of a new and popular interest in vegetables, and this interest has continued with increasing intensity to the present time. During this period the improvement of all kinds of culinary vegetables has been very great, and the emulation in raising new and improved varieties was never higher than it is to-day. The more appreciative of market gardeners and amateurs take up these new kinds and learn their value, but their general distribution among the people has been slow, for several reasons. One of these is that people hold long to a variety with which they are acquainted; new varieties have also necessarily been somewhat more expensive than old ones, and for this reason those who have dealt in seeds on commission have found it more profitable to use the old varieties, and thus those who procure such seeds, and they are by far the larger number of purchasers, do not have the opportunity to keep up with the advancements of the day.

The January number of Vick's Magazine contains illustrations of many of the exhibits that won prizes, with brief letters from the exhibitors.

Many of the amateurs who competed for the prizes at Peoria have written that another year they would be able to grow these vegetables to a greater state of perfection, and requesting that the premiums for 1891 be offered on the same varieties as last year. For this reason and because better results can be gained than by experimenting with new varieties, we have made the offer just about the same, but changing the number of premiums on each vegetable to four instead of three, thus enabling a larger number to enjoy the awards.

The exhibition at Peoria was the largest and grandest display of vegetables ever seen in this country, and we earnestly invite all our friends to join us in making the show for 1891 stand way ahead of it in every respect. We are one year older and should be able to do better. Let us all try to do our part well. This offer is not made for a mercenary motive, but to acquaint the public with good honest vegetables, to develop a love for our door work and as an incentive for the same.

This year the offer is made so plain that the judges can make no mistake about their decisions. Throughout the Floral Guide will be found photographs of some of the vegetables that took first prizes for 1890.

Having seen the grand results from these exhibitions, we have spent a great deal of money and time in bringing them to the high position they now hold.

Report of Exhibit at Peoria, Ill., Sep. 29, 1890.

The exhibit of 1890 was larger in every way than the one of the year before. There were 1,000 entries, making a showing on a scale of magnificence scarcely hoped for, coming from every State in the Union, besides three of the Provinces in Canada. One exhibit came from Prince Edwards Island.

A special correspondent wrote his paper as follows:

"In a large oblong tent at the southern side of the State Fair Grounds was to be seen the display of James Vick, Seedsman, of Rochester, N. Y. In the centre of the large tent was built a raised and receding platform displaying an exhibit of flowers. Around this and lower down, were the products entered for the prizes. Still outside of this and going clear around the tent was another platform, fairly groaning with as fine garden products as the great country could produce; all grown from seed furnished by Vick. It is too much of a task to go into a detailed description of the great show, but it was a sight to see the judges, with puzzled and distracted countenances, attempting to decide which of the offerings were entitled to preference. It is variously estimated as to the number of people who viewed the great display, but the Society estimated the number at 200,000. It was a grand exhibition, and reflects great credit on the greatest and most successful seed growers in the world."

No one can express the difficulty of the judges in attempting to arrive at a decision, and their judgment is the result of much worry and pains.

In the Cabbage exhibit, for instance, Joseph Ward, of Eau Claire, Wis., had three heads of cabbage weighing sixty pounds, but the judges reluctantly threw his out from the fact that one head was cracked open.

The Celery display caused the judges much trouble in their decision. But after a long time they reached a conclusion, rejecting those with any defects at all. The first prize was very large and perfectly blanched.

The Potato showing was magnificent, especially when the great drought which extended over the whole country, is taken into consideration.

The collection of Tomatoes was very fine, and some of the largest and best were imperfectly packed, and were spoiled in transportation. The judges were governed by the appearance of the exhibits.

Horace Dyst, Franklin Grove, Ill., is favorably noted in Melon exhibit.

It is to be regretted that the collection of Onions from Beaverton, Oregon, grown by George H. Thomas, did not arrive earlier; as it was, the judges had awarded the premiums when his exhibit came. His twelve Onions weighed eighteen pounds. J. A. Slaymaker, Atkinson, Neb., showed a number which averaged two pounds each.

In Mangels, the cut shown in the Catalogue was taken as a type, and the decision was rendered accordingly. Mrs. W. P. Bartlett, of Livermore, Cal., showed one which weighed thirty-nine pounds, which was the largest of the collection.

The Judges were appointed by the State Board of Agriculture of the State of Illinois, and were experienced gardeners.

JAMES VICK SEEDSMAN.

PRIZES AWARDED.

CABBAGE—First Prize, Davis Bros., Jackson, Mich., \$75. Weight, 56 lbs.
Second Prize, J. D. Kress, Jackson, Mich., \$35. Weight, 55 lbs.

Third Prize, G. H. Newsou & Son, Horuellsville, N. Y. Weight, 54 lbs.

CELERY—First Prize, Chas. H. Gorham, Hastings, Mich., \$75.

Second Prize, Edward Gorham, Hastings, Mich., \$35.

Third Prize, M. Wetterling, Iona, Mich., \$15.

POTATOES—First Prize, Ralph Hoge, Hubbardston, Mich., \$75.

Second Prize, J. W. Liler, North Platte, Neb., \$35.

Third Prize, David Laming, Rochester, N. Y., \$15.

CAULIFLOWER—First Prize, Joseph Ward, Eau Claire, Wis., \$75.

Second Prize, William Kloss, Fish Creek, Wis., \$35.

Third Prize, John Ward, Eau Claire, Wis., \$15.

TOMATOES—First Prize, B. A. Ferris, Auburn, N. Y., \$75.

Second Prize, Charles E. Brown, Minico, Ont., \$35.

Third Prize, William Seebold, Peoria, Ill., \$15.

MELONS—First Prize, B. F. Hoyt, Manchester, Iowa, \$75.

Second Prize, Mrs. J. L. Wagenbach, Farmdale, Ill., \$35.

Third Prize, John T. Orr, Forest, Ill., \$15.

ONIONS—First Prize, F. L. Burt, Sunderland, Mass., \$75.

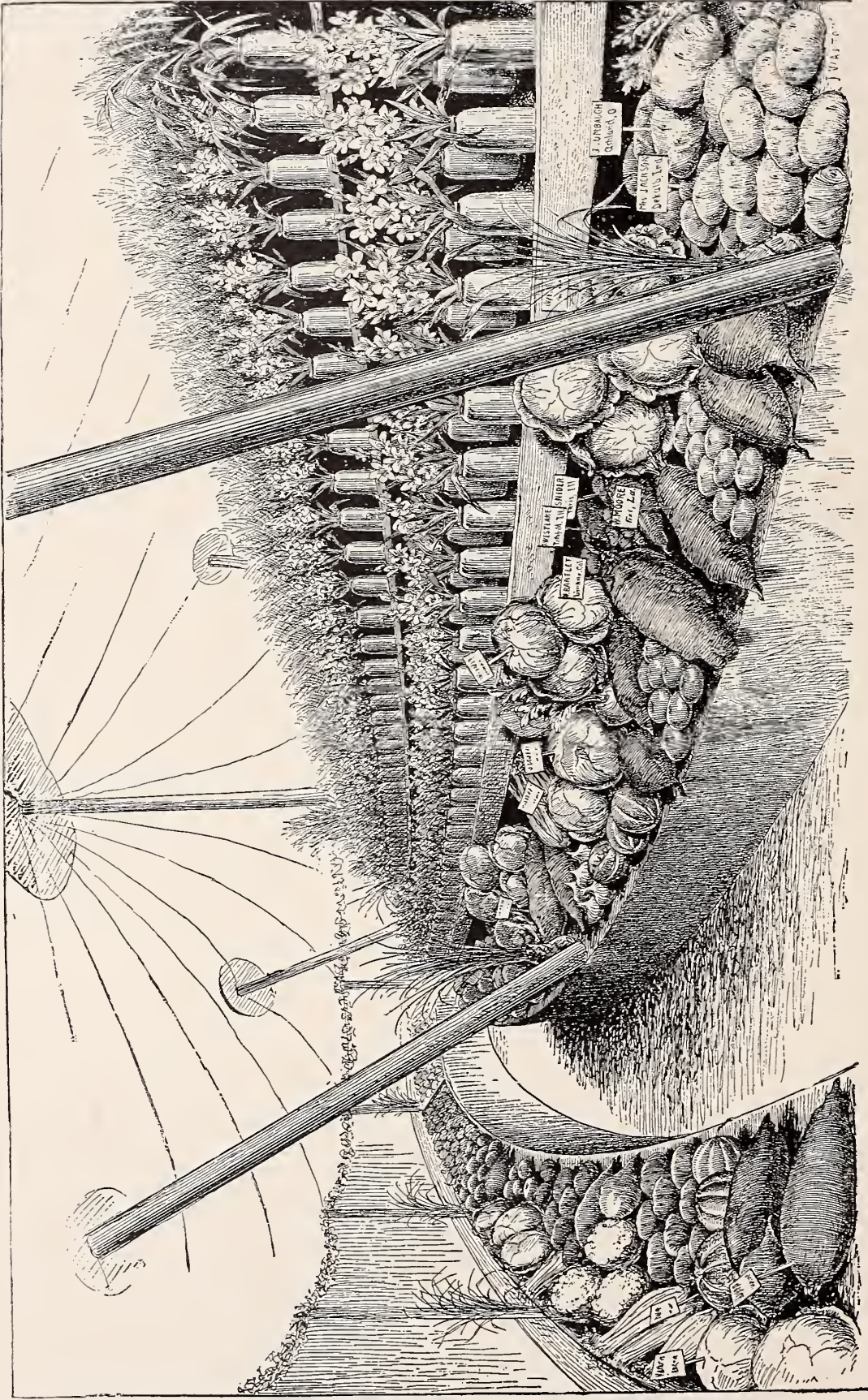
Second Prize, John Robinson, Fairport, N. Y., \$35.

Third Prize, G. H. Newsom & Son, Hornellsville, N. Y., \$15.

MANGELS—First Prize, David Wilds, Springville, Iowa, \$75.

Second Prize, James West, Rochester, N. Y., \$35.

Third Prize, G. Palmer, Kenuedy, N. Y., \$15.



\$1000.00 PRIZE VEGETABLE EXHIBIT,

AT PEORIA, ILL., SEPTEMBER 29TH, 1890.

For 1891 Prize Offer, see back of this page.

Vick's : Floral : Guide

— 1891 —

THE FLORAL GUIDE appears this year in royal apparel—only blushing because of its rare beauty and the tender sympathy felt for others in plainer garb.

The same true, honest character can be recognized by all, and our hosts of friends will appreciate and we hope enjoy the change in form and style.

The flowers and vegetables shown in our colored plates are among the best, and we can heartily recommend them. Amaranthus Sunrise we have grown for several years; it is always true, showy and greatly admired. The Rose Caprice, Hydrangea and all others, can be depended upon and will appear as represented.

Novelties are not made to order. By novelties we mean improvements upon old varieties of either flowers or vegetables.

There are so many reliable varieties, we have decided that rather than disappoint our friends we will not list anything that we have not tried one or more years, or proven to our entire satisfaction to be not only a novelty but superior in quality to other varieties.

As stated annually, although we take great pains in filling orders and intend doing more than fair dealing really calls for, if a mistake should occur we wish to be notified of the fact, and will gladly correct any error.



⊗ JAMES VICK, SEEDSMAN, ⊗

343 East Avenue,

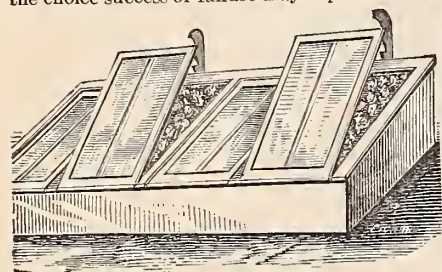
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ROCHESTER, N. Y.

Hints on Sowing Seed and Transplanting.

SELECTION OF SEEDS.

The selection of seeds is an important matter, and on the wisdom of the choice success or failure may depend. Those who have little experience should invest money cautiously, and in the more hardy and popular kinds, such as



HOT-BED OR COLD FRAME.

Asters, Balsams, Stocks, Petunias, Zinnias, &c., with a few more tender kinds merely for trial. Almost every variety has some peculiar points to be observed in order to bring it to its highest state, and a knowledge of these can only be acquired by experience,

and perhaps only after repeated trials. To do the best should be our aim. Half a dozen flowering plants, well cultivated, will give pleasure, while a hundred neglected, or poorly cultivated, will give pain. If the object is a brilliant, showy bed on the lawn, or in the border, the Petunia, Phlox Drummondii, Verbena, &c., will meet your wishes; while a bed of Mignonette, or any of the smaller or less showy flowers, will be entirely out of place. If flowers of taller growth are desired for a showy bed more in the background, the Zinnia, the French Marigold, the Gladiolus, and others, are admirably adapted for the purpose, while some very beautiful, low, modest flowers would be worthless. Grave errors are sometimes made and good flowers condemned, merely because they are out of their proper place.

THE SOIL AND ITS PREPARATION.

The best soil for most flowers, and especially for young plants, and one almost absolutely necessary for seed-beds, is a rich, mellow loam, containing so much sand that it will not "bake" after hard showers. If we have not such a soil, we must use the best we have. A clay soil can be much improved by a little sand, or ashes and manure, and by pretty constant working; it must not, however, be handled when too wet. Always drain the garden so that no water will be on or near the surface.

SOWING SEED.

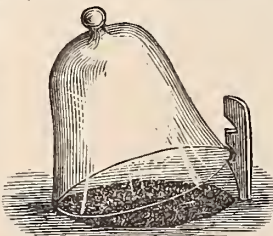
This is a very important matter, and one in which the young florist is the most likely to fail. One "forgot" may ruin a whole sowing of the choicest seeds. Of course, there are some kinds of seeds that are robust and will grow, no matter how they are treated, just as our weeds grow and thrive under ill treatment; but others require kind and proper treatment. We have seen ladies who, with but little pretensions, equaled the most distinguished florists. There seemed to be magic in their fingers, and everything they touched flourished. A hot-bed, if properly managed, is of great aid in effecting the germination of seeds, and it is well all should know why this is so.



SEED GROWING IN POTS.

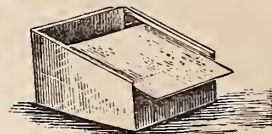
CAUSES OF FAILURE.

In the first place, let us notice some of the reasons why seeds fail to grow. If seeds are planted too deep, they either rot in the damp, cold earth, for the want of the warmth necessary to their germination, or, after their germination, perish before the tender shoots can reach the sun and air, and thus the place designed for their home proves their grave. If the soil is a stiff clay, it is often too cold at the time the seeds are planted to allow their germination; for it must be understood that warmth and moisture are necessary to the germination of seeds. Neither of these will do alone. Seeds may be kept in a warm dry room, in dry sand or earth, and they will not grow. They may be placed in damp earth, and kept in a low temperature, and they will be most likely to rot, though some seeds will remain dormant a long time under these circumstances. But place them in moist earth, in a warm room, and they will commence growth at once. Indeed, if seeds become damp in a cold store-room they rot, while if both



SEEDS PROTECTED BY GLASS BELLS.

damp and warm they germinate, and thus become ruined, so that seedsmen have to exercise great care in keeping their seeds well aired and dry. Another difficulty with a heavy soil is that it becomes hard on the surface, and this prevents the young plants from "coming up;" or, if during showery weather they happen to get above the surface, they become locked in, and make but little advancement, unless one is careful to keep the crust well broken; but in doing this the plants are often destroyed.

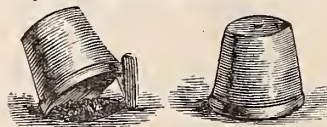


BOX HAND-GLASS.

If seeds are sown in rough, lumpy ground, a portion will be buried under the clods, and will never grow; and many that start, not finding a fit soil for their tender roots, will perish. A few may escape these difficulties, and flourish.

HOT-BEDS AND COLD-FRAMES.

It is to overcome these evils that hot-beds are useful. By being protected at the sides and ends with boards, and covered with glass, they confine the moisture which arises from the earth, and thus the atmosphere is kept humid and the surface moist, and the plants are not subjected to changes of temperature, as a uniform state can be maintained no matter what the weather may be. The bottom heat of the hot-bed warms the soil, and enables the grower to put in



PROTECTED BY POTS.

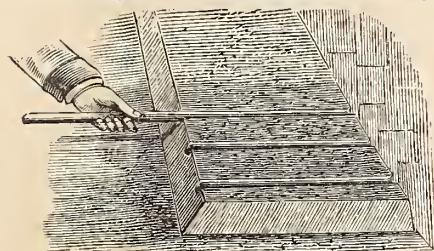
his seed early, and obtain plants of good size before the soil outside is warm enough to receive the seed. Care, however, is required to prevent scorching the young plants. In bright days the heat is intense inside the frame, and unless air is freely given, or some course taken to obstruct the rays of the sun, most likely a great portion of the plants will be ruined. When the sun gets pretty warm give the glass a thin coat of whitewash. This gives a little shade, and, with some air during the middle of bright days, will make all safe. The hot-bed is made by forming a pile of horse manure with the straw used for bedding, or leaves, some three feet in height. Shake all together, so that straw and manure will be equally mixed. It may be sunk in the ground a foot or eighteen inches, or made on the surface. On this place about five inches of good mellow soil. Then set the frame and keep it closed until fermentation takes place and the soil is quite warm. It is better to wait a day or two after this, and then sow the seeds. Some of the advantages of a hot-bed can be secured by a cold frame. This is simply a frame with sash, the same as employed for a hot-bed, placed upon a bed of fine, mellow earth, in some sheltered place in the garden. The heat of the sun warms the soil and, as the air is confined, the warmth and moisture cannot escape. After the frame is secured in its place, a couple of inches of fine earth should be placed inside, and the frame closed up for a day or two before the seeds are planted. As the cold-frame depends upon the sun for its warmth, it must not be started as soon as the hot-bed, and in this latitude the latter part of April is soon enough. Plants will then be large enough for transplanting than if grown in a hot-bed. A frame of this kind any one can manage. Watering occasionally will be necessary; and air must be given on bright, warm days. Shade also is necessary. These frames, when so small as to be conveniently moved by hand, are called hand-glasses. A sample frame or box, with a couple of lights of glass on top will answer a very good purpose, though when small it would be better to have the front of glass. A very good hand-glass is made of a square frame, with a light of glass at each side and on the top. These contrivances, though so simple as to be made by any one handy with tools, are exceedingly useful, as they prevent the drying of the surface of the ground, and afford the plants shelter from sudden changes of temperature, cold storms and frosty nights. The engravings show several forms of which they may be made. Seeds may be sown in the house in pots, or boxes, but the greatest difficulty is that the soil dries very rapidly in them, and young plants are apt to suffer. A very good plan is to cover the pot with a pane of glass, as shown in the engraving, removing it occasionally for air. Where very fine seeds are sown in pots, the watering, unless carefully done, generally results in great injury. A wet paper placed over the top of the pot will afford moisture enough for the germination of fine seeds. If pots are used it is well to sink them to the rim in a box of moss, or something of the kind, that will hold moisture, and prevent the drying of the earth in the pots. A shallow box may be used to advantage, sowing the seed carefully in narrow drills.

SEED BED.

When these conveniences are not to be had, make a bed of light, mellow soil, in a sheltered situation in the garden, and as soon as the weather becomes settled, and the ground warm, sow the seeds, covering them with a little fine earth, and if very small, sift it upon them. Some one has given as a rule that seeds should be covered twice the depth of their own diameter; that is, that a seed one-sixteenth of an inch through should be covered one-eighth of an inch. Perhaps that is as near correct as any general rule can be. If the weather should prove dry after sowing, it would be well to cover the beds of very small seeds with damp moss, or what is better, with evergreen boughs or boards, or something that will afford partial protection from the sun and wind. A very good plan is to nail strips of lath to a frame, leaving alternate spaces about as wide as the lath, thus forming handy shade coverings. Seeds do not require light for their germination, and will grow quite as well in the dark as in the light, until they are above ground. Bell-glasses are convenient both for in-doors or garden use, only care must be given to afford plenty of air, especially on bright days, and shading may be necessary. An inverted flower pot answers almost as good a purpose, but when the young plants are up they will need light, which can be afforded for a few days, and until the plants are large, by elevating the pot as shown in the engraving. Light and air should be furnished as soon as the plants are above ground, or they will become weak and pale. Of course it is designed that plants from the hot-bed, cold-frame and seed-bed shall be transplanted to the border or beds where they are to flower, and these helps are intended mainly for tender and half-hardy annuals. The hardy annuals may be sown where they are to flower, though, with the exception of a few varieties difficult to transplant, it is best to sow all in a seed-bed.

TRANSPLANTING.

All the operations of the garden should be done with neatness; no crooked irregular rows are admissible. The engraving shows how easily



MARKING FOR PLANTING.

lines are marked in the bed with a rod or ruler. After plants in the seed-beds have obtained their second leaves and made an inch or two of growth, they should be moved to the garden beds or border. This should be done on a dull, showery day, if possible, if not, the plants may require shading after removal until they become established. In transplanting in dry weather, always give the plants as they stand in the seed-bed a good soaking with water, and also the soil to which they are removed, an hour or so before removal. In removing, disturb the roots as little as possible. If the plants are not too thick, there is no need of injuring the roots; and in sowing, it is well to have this in view, and sow evenly and thinly. As soon as the young plants come up, if too thick, a portion should be removed. A few plants, with long tap roots, will not bear removal well. The Larkspurs are difficult, and these and the Poppies, and plants with like roots, should be sown where they are to flower. Sweet Peas, Candytuft, and a few flowers of similar character, that do best if sown as early as the ground can be got ready, should always be sown where they are to flower.

Suggestions to All Who Buy.

All Seeds, Bulbs and Plants Free of Postage.—We will send Seeds, Bulbs and Plants, by mail, to any part of the United States, Dominion of Canada, Jamaica, Barbadoes, Mexico, and the Bahamas, at the prices named in this Catalogue, Postage Paid. The only exceptions to this rule are when heavy and bulky articles are ordered by the peck or bushel, or in cases especially noted; otherwise, every package will be paid through to destination. As a general rule we send Plants and Seeds in separate packages.

Free by Express.—All orders weighing two pounds or over will be forwarded by Express, if possible. Our customers will

oblige us very much by giving their nearest office and the name of the Company delivering goods. Heavy orders can be forwarded by Stage from the Express office. So please be particular and send special directions when on a Stage route. All Stage charges will be prepaid when it is possible to do so. **This applies to Seeds and Bulbs at Catalogue rates, and not on heavy seeds by the peck or bushel, nor on miscellaneous articles.** Persons often order small packages sent C. O. D., and the Express charges sometimes amount to more than the order. We can send goods and collect money on delivery only when enough money is sent to prepay the Expressage, and thus protect us from loss, should the person not take the goods from the Express Company, as is sometimes the case. Those who want heavy seeds in large quantities can get them very cheap by freight if they will order early. Many of our customers take advantage of this fact, and more should do so.

The Safe Arrival of Packages Guaranteed.—We guarantee the safe arrival of packages of Seeds, Bulbs and Plants in good condition in the United States and Canada. If a package fails to reach a customer, we will send again as soon as informed of the fact; or if any part is injured or lost we will replace it. We do not consider ourselves held by this guarantee unless complaints are made within three weeks after receipt of plants. Whenever writing in reference to previous order, be sure and mention the post office to which goods were to be shipped, and sign the same name as in the first order. Sometimes it happens that orders never reach us. When customers fail to receive their Seeds, Bulbs or Plants in a reasonable time they should inform us, and at the same time send a copy of their order, stating the amount of money, and in what manner it was sent.

Our Customers in Canada.—There is a duty on some Seeds sent from the United States to Canada. We will, in all cases when it is possible, pay the duties and postage on Seeds purchased at retail catalogue prices, so that our customers will have no trouble or expense, excepting when the price is given delivered at an Express or Railroad office here, such as Potatoes, and other heavy goods.

Foreign Countries.—On packages for Jamaica, Barbadoes, Mexico, and The Bahamas, postage will be prepaid as stated above. Our customers ordering from New Zealand, New South Wales, Queensland and Victoria, will kindly remit 24 cents extra for each ounce of Seeds, &c., and those ordering from other foreign countries 10 cents extra for each ounce, or this excessive postage would bring the price received far below the actual cost of the goods.

Correction of Errors.—We take the utmost care in filling orders, always striving to do a little more for our friends and patrons than justice and fair dealing require. In case an error is made, we desire to be informed of the fact, and promise to make such corrections as will be perfectly satisfactory.

Order Sheets.—Please use the "Plant Order Sheet" (Blue), for Bulbs and Plants, and the "Seed Order Sheet" (Amber), for Seeds and other articles.

In writing out order, as far as possible follow same order as in Floral Guide, viz: Annuals, Climbers, Everlastings, Perennials, Green-House, Bulbs, and Vegetables, each alphabetically. By so doing it will save time in filling order.

How to Send Money.

ALL MONEY MAY BE SENT AT OUR RISK AND EXPENSE, if forwarded according to directions, in either manner here stated. Please send money with the order.

POST OFFICE MONEY ORDER.

1st. POST OFFICE MONEY ORDERS, to be obtained at many Post Offices, but not at all, are perfectly safe, and will cost from 8 to 25 cents. This is the best way where practical.

A CONVENIENT WAY.

At any station where there is an office of the American Express Co., United States Express Co., or Wells, Fargo & Co., an order for anything named in Vick's Floral Guide can be left at their office and their agent will forward it to us. In due time they will deliver the Seeds, Bulbs, Plants, etc., at your door and collect the price of same, without any extra expense to you, except on goods where it is stated in the Floral Guide that they are shipped at expense of purchaser.

DRAFT ON NEW YORK.

2d. A DRAFT ON NEW YORK can be obtained at any Bank for about 25 cents, and this is sure to come correctly.

EXPRESS MONEY ORDER.

3d. EXPRESS MONEY ORDERS, to be obtained at all offices of the American, United States, or Wells, Fargo & Co's Express Companies.

CASH.

4th. GREENBACKS, GOLD, OR SILVER, in amounts not less than Five Dollars (\$5.00), can be sent by *Express*, and these we are sure to get, and the cost is very little.

REGISTERED LETTER.

5th. REGISTERED LETTERS.—When money *cannot be sent by either of the first four methods*, it may be enclosed in a Registered Letter. The cost of registering is 10 cents.

The expense of forwarding money in either of the above ways we will pay, and the cost may be deducted from the amount forwarded.

6th. SUMS LESS THAN ONE DOLLAR may be forwarded by mail at our risk without registering.

When remittances are not made according to these directions, we disclaim all responsibility.

There is no safety in Postal Notes nor Silver, and these are sent at RISK OF SENDER.

DON'T FORGET YOUR NAME, POST OFFICE OR STATE.

We send the FLORAL GUIDE free to all customers of 1889, to others we charge TEN CENTS, which amount may be deducted from first order. If any customer fails to receive a GUIDE, please send Postal Card, stating the fact, with name and Post Office.

Premiums and Presents.

READ SPECIAL CASH PREMIUMS TO CLUBS ON THIRD COVER PAGE.

The lovers of flowers in a neighborhood can club together and thus avail themselves of the Premiums we offer for large Clubs, as seen below and on third cover page. One or two persons, with a little enterprise can change the character of a place in a few years by the introduction of Flowers. Those who desire our FLORAL GUIDE for this purpose shall be furnished free, so that they need not injure or lose their own copies.

Persons sending \$1.00	may select seeds amounting to \$1.10
“ “ 2.00	“ “ “ 2.25
“ “ 3.00	“ “ “ 3.45
“ “ 4.00	“ “ “ 4.70
“ “ 5.00	“ “ “ 6.00

Persons sending \$3.00 or more for seeds will receive Vick's Illustrated Monthly Magazine for one year, *free*, if they desire it.

Persons sending \$8.00 may select seeds amounting to \$9.50 and will receive free Vick's Illustrated Monthly Magazine one year or Vick's Flower and Vegetable Garden.

Persons sending \$10.00 may select seeds amounting to \$12.50 and will receive free our Folio of Rare and Beautiful Flowers.

Persons sending \$15.00 may select seeds amounting to \$20.00 and will receive free Vick's Flower and Vegetable Garden.

It must be understood that this discount is allowed only on **Flower and Vegetable Seeds by the packet and ounce**, and not on seeds by the **pound**, nor on **Bulbs** or **Plants**; nor can we pay this discount in **Bulbs**, or seeds by the **pound**. Otherwise, it would bring the price far below cost.

The seeds will be put up together and sent to one address, or in separate packages, and mailed to the address of each individual forming the club. In all cases the postage will be prepaid. The same deductions will, of course, be made to any person ordering for himself alone.

In addition to these Premiums and Presents, we forward in December, each year, to every customer, our FLORAL GUIDE, containing descriptions of about all Flowers and Vegetables worthy of cultivation. In sending Clubs, it is therefore necessary to give the names of the persons of which they are composed, with Post Offices, so that we may be enabled to forward them the GUIDE.

In August we publish a Catalogue containing a list of Bulbs for Autumn planting and for flowering in the house in winter; and also a list of house plants, **which we forward to those of our customers who purchased Bulbs of us the previous Fall, and to any one who will send a Postal Card with name and Post Office.**

COLLECTIONS.

FLOWER SEEDS.

We have put up separate collections of the choicest seeds in neat envelopes, and these are very desirable to those who may wish a complete assortment of any particular class of flowers.

ASTERS.

11 distinct races, mixed colors of each in separate packets	\$1 00
Truffaut's Pæony-flowered Perfection, 12 separate colors	75
Truffaut's Pæony-flowered Perfection, 6 separate colors	40
New Rose-flowered, 12 separate colors	75
New Rose-flowered, 6 separate colors	40
Cocardeau or Crown, 6 separate colors	40
Pæony-flowered Globe, 12 separate colors	75
Pæony-flowered Globe, 6 separate colors	40
New Victoria, 12 separate colors	1 00
New Victoria, 6 separate colors	50
Imbricated Pompon, 12 separate colors	75
Imbricated Pompon, 6 separate colors	40
Dwarf Chrysanthemum-flowered, 12 separate colors	75
Dwarf Chrysanthemum-flowered, 6 separate colors	40
Boltze's Dwarf Bouquet, 12 separate colors	75
Boltze's Dwarf Bouquet, 6 separate colors	40

BALSAMS.

6 distinct races, mixed colors of each in separate packets	\$. 50
Double Rose-flowered, 12 separate colors	1 00
Double Rose-flowered, 6 separate colors	50
Double Camellia-flowered Spotted, 12 separate colors	1 00
Double Camellia-flowered Spotted, 6 separate colors	50
Improved Camellia-flowered, 6 separate colors	1 00

STOCKS.

6 distinct races, mixed colors of each in separate packets	\$1 00
Large-flowering Dwarf Ten-weeks, 12 separate colors	1 00
Large-flowering Dwarf Ten-weeks, 6 separate colors	50
Large-flowering Wallflower-leaved Ten-weeks, 8 separate colors	65
Large-flowering Wallflower-leaved Ten-weeks, 6 separate colors	50
Giant Perfection Ten-weeks, 6 separate colors	50

MISCELLANEOUS.

Cockscombs, finest dwarf, 12 distinct sorts	\$ 75
Cockscombs, finest dwarf, 6 distinct sorts	40
Dianthus, 12 species and varieties	1 00
Hollyhocks, Chater's Superb, 12 separate colors	1 25
Hollyhocks, Chater's Superb, 6 separate colors	70
Pansies, 20 fine varieties	2 00
Pansies, 10 fine varieties	1 00
Phlox Drummondii, 16 separate sorts	1 00
Phlox Drummondii grandiflora, 8 separate sorts	60
Everlasting Flowers, 20 distinct species and varieties	1 00
Everlasting Flowers, 10 distinct species and varieties	50
Ornamental Grasses, 12 species	50
Ornamental-leaved Plants, 12 sorts	1 00

Some prefer to leave the selection of varieties to us; and in cases where purchasers are entirely unacquainted with the different varieties of flowers, this may be the better plan. Those who are commencing the cultivation of flowers will find the collections named below suited to their wants:

No. 1. Collection of 20 varieties of Fine Annuals	\$1 00
No. 2. Collection of 40 varieties of Fine Annuals	2 00
No. 3. Collection of 60 varieties of Fine Annuals, Biennials and Perennials	3 00
No. 4. Collection of 100 varieties of Fine Annuals, Biennials and Perennials	5 00

VEGETABLE SEEDS.

Hundreds of our customers prefer leaving the selection of Vegetables to us, and at a season when, in consequence of the press of business, we cannot give the time needed for a judicious choice. We have, therefore, taken a leisure time to make careful selections, and will have them put up in readiness for those who may desire:

No. 1 Complete Collection of Vegetables for small family garden	\$3 00
No. 2 Complete Collection of Vegetables for small family garden	5 00

The very liberal premiums offered to clubs are included in the above Collections. The No. 1 (\$3.00) Collection is composed as follows. The other is, of course, in larger quantities:

Asparagus; Beans, Dwarf or Snap, and Lima; Beets, early and late; Cabbage, early and late; Cauliflower; Carrot, Short-horn; Celery; Corn, early and late Sweet; Cucumber; Egg Plant; Lettuce, Cabbage and Cos; Melon, Musk and Water; Onion, Wethersfield and Danvers; Parsley; Pepper; Peas, early and later; Radish, three sorts; Saisify; Squash, Summer and Winter; Spinach; Tomato; Turnip, White and Yellow; Herbs, Sage, Summer Savory, Broad-leaved Thyme.

ANNUALS.

IN THIS Department, under the head of ANNUALS, we describe not only the true Annuals, that is, those flowers that bud, blossom and ripen their seed the first summer and then die, but some BIENNIALS and PERENNIALS that flower the first season and live on for a year or more, like the Pansy, Dianthus, and Antirrhinum. The ANNUALS are valuable treasures to both the amateur and professional gardener. There is no forgotten spot in the garden, none which early flowering bulbs or other spring flowers have left unoccupied, or where plants have unexpectedly failed, that need remain bare during the summer; no bed but can be made brilliant with these favorites, for there is no situation or soil in which some of the Annuals will not flourish. Some members delight in shade, others in sunshine; some, like the Pansy, are pleased with a cool clay bed; while others are never so comfortable as in a sandy soil and burning sun, like that little salamander, the Portulaca. Still others seem perfectly indifferent, and will grow and flower under almost any circumstances. The seed, too, is so cheap as to be within the reach of all, while a good collection of bedding plants would not come within the resources of many; and yet very few beds filled with expensive bedding plants look better than a good bed of our best Annuals, like Phlox, Petunia or Portulaca, and for a vase or basket, several of our Annuals

are unsurpassed. To the Annuals, also, we are indebted mainly for our brightest and best flowers in the late summer and autumn months. They seem like nature's smiles, so simply do they spring up before us, and so wonderfully do they brighten our gardens and homes. Frail treasures—yet who can estimate the good they accomplish in one short summer! Is not our life as frail as theirs? and shall we not, while studying their habits, learn to make the most of each day's sunshine, remembering, also, that clouds and rain are as necessary in maturing the human character as in perfecting and making beautiful the buds and blossoms of our favorites. They seem to lose no moments, but rush forward as if knowing the cold winter was surely coming, and that they must improve each hour. Without the Phlox and Petunia and Portulaca and Aster and Stock, our autumn gardens would be poor indeed, and how we would miss the sweet fragrance of the Alyssum, Mignonette and Sweet Pea if any ill-luck should deprive us of their friendly faces. In this section we have a fine collection of CLIMBERS, like the Morning Glory and Cobæa scandens, and also the EVERLASTING FLOWERS and most of the ORNAMENTAL GRASSES. All these are described in their proper places, with appropriate headings, so that our readers will have no difficulty in finding what they desire, and can make no mistake as to their true character.

ANTIRRHINUM.



The Antirrhinum, perhaps better known by its old and popular name, Snap-dragon, is one of the very best of our Perennials, blooms abundantly

the first summer until after frost, and if not too much exhausted, flowers well the second summer, and even longer. By removing a portion of the flower stems in the summer, the plants will throw up young, strong shoots by autumn, making vigorous plants that will endure safely almost any winter. The Antirrhinum is one of our most satisfactory plants. When plants are weakened by too profuse flowering the first summer, they suffer during hard winters, but when checked as we have advised, and no seed allowed to form, they will do well the second summer.

Antirrhinum Brilliant, scarlet and yellow.....	5
caryophylloides, irregularly striped.....	5
Firefly, orange and scarlet, with white throat.....	5
Galathe, crimson, throat white; large.....	5
luteum, yellow.....	5
papilionaceum, blood red, throat pure white.....	5
White-flowered, white; notshowy, but good.....	5
Finest Mixed,.....	5
Tom Thumb, about 6 inches high; mixed colors.....	5

ADONIS.



Flos Adonis, sometimes called Pheasant's Eye, has fine, pretty foliage, and brilliant scarlet flowers. It will do well in partial shade and may be used to advantage in any retired corner of the garden.

Twelve to eighteen inches in height.

Adonis æstivalis, scarlet,.....	5
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AMARANTUS.

The Amaranth family embraces numerous plants, valuable for the beauty of their foliage, many of the varieties having handsomely formed and highly colored leaves, while others are remarkable for long, large, upright racemes and drooping panicles of small flowers, forming immense clusters, wonderfully effective for autumn decoration. Seed may be sown in a warm border, for transplanting is easy, or they may be sown where plants are to bloom. Sometimes, especially in rich soils, the leaves lose their bright color.



AMARANTUS.

- Amarantus atropurpureus**, a fine variety, with blood-red foliage and drooping flower-spikes 5
- bicolor, ruber**, the lower half of the leaf a fiery red, the upper half maroon 5
- caudatus (Love Lies Bleeding)**, long drooping "chains" of flowers; pretty for decorating 5
- cruentus (Prince's Feather)**, flowers somewhat similar to *A. caudatus*, but in erect masses 5
- Henderi**, an improvement on *A. salicifolius*; foliage beautifully variegated; 2 feet 10

- Amarantus melancholicus ruber**, of compact habit, with striking dark red foliage; 18 inches 5
- salicifolius**, a beautiful Amaranth, both in habit and color; plant pyramidal; 3 ft. in habit and color; 5
- Sunrise**, the most brilliant of the family. The top of plant brilliant crimson, the lower leaves dark maroon (See colored plate) 25
- tricolor, (Joseph's Coat)**, red, yellow and green foliage; 2 feet 5
- Mixed varieties**, 5

ASPERULA.

Asperula azurea setosa is a profuse blooming, hardy little annual, of dwarf habit, growing less than a foot in height, and bearing many clusters of small light blue or lavender, sweet scented flowers. For making up in small bouquets the *Asperula* is all that can be desired. It is one of the pretty, neat little flowers which many admire on account of their delicate beauty, and others dislike as weedy and worthless because they make no brilliant show in the garden.

- Asperula azurea setosa** 5

ALYSSUM.



The Sweet Alyssum has pretty little white flowers useful for making up in all kinds of small bouquets; and its fragrance, while sufficiently pronounced, is very delicate, reminding one of the peculiar aroma of the hay field. It grows freely from seed, either under glass or in the open ground and makes a pretty border. The Alyssum is one of the very best plants for a basket or pot.

- Alyssum, Sweet**, hardy annual; flowers small and sweet, in clusters; one foot 5
- Benthami compactum**, a new dwarf, compact variety, not over six inches in height, bearing its pure white fragrant flowers in greatest profusion during the entire summer 10
- Wierczbeckii**, hardy perennial, yellow; one foot 5

AGROSTEMMA.

The annual *Agrostemmas*, or more properly *Viscarias*, are free bloomers, make desirable beds, and are useful for cutting. They have the best appearance when grown in masses. Sow seed in the bed where they are to bloom, thinning out the plants where they are evidently too close. The flowers resemble single Pinks. Plants twelve inches in height.

- Agrostemma, New Scarlet**, bright 5
- Cæli Rosa**, deep rose color 5
- elegans picta**, center dark crimson, white margin 5
- cardinalis**, bright red 5
- Mixed varieties**, 5

ANAGALLIS.

The genus *Anagallis* is remarkable for the beauty of its flowers, and is very desirable for small beds, edgings, baskets, etc. The plants do not usually exceed six inches in height, and when set in beds, thickly cover the ground with a constant profusion of flowers.

- Anagallis grandiflora superba**, mixed colors 5

AGERATUM.

A Mexican flower, of a brush-like appearance, desirable in the garden, and prized by florists because it bears a great many flowers, keeps in bloom a long time, and is, therefore, desirable for bouquet making, for which purpose we have but few better flowers. It is well to start the seed under glass, and transplant. The *Ageratums* are pleasant house plants.



- Ageratum conspicuum**, white; 18 inches 5
- Mexicanum**, blue; 2 feet 5
- Mexicanum albiflorum**, white flowered; 2 feet 5
- Mexicanum albiflorum nanum**, 6 inches 5
- Lasseauxii**, compact plant; flowers pink; 18 inches 5
- cælestinum (Phalacræa) Tom Thumb**, light blue; 8 inches high, and of compact habit 5
- Swanley Blue**, a fine, large flowering, dwarf variety, of recent introduction; flowers deep blue 10
- Mixed Varieties** 5

ABRONIA.

The *Abronia*s are trailing plants, with prostrate branches several feet in length, and bearing clusters of sweet-scented flowers. The plants and flowers are very much like the *Verbena*. They are natives of California, where we have seen them growing abundantly. Our customers report the greatest success the second summer, from seed dropped from plants of the previous year.



- Abronia umbellata**, rosy lilac, white eye 5
- arenaria**, waxy yellow 10

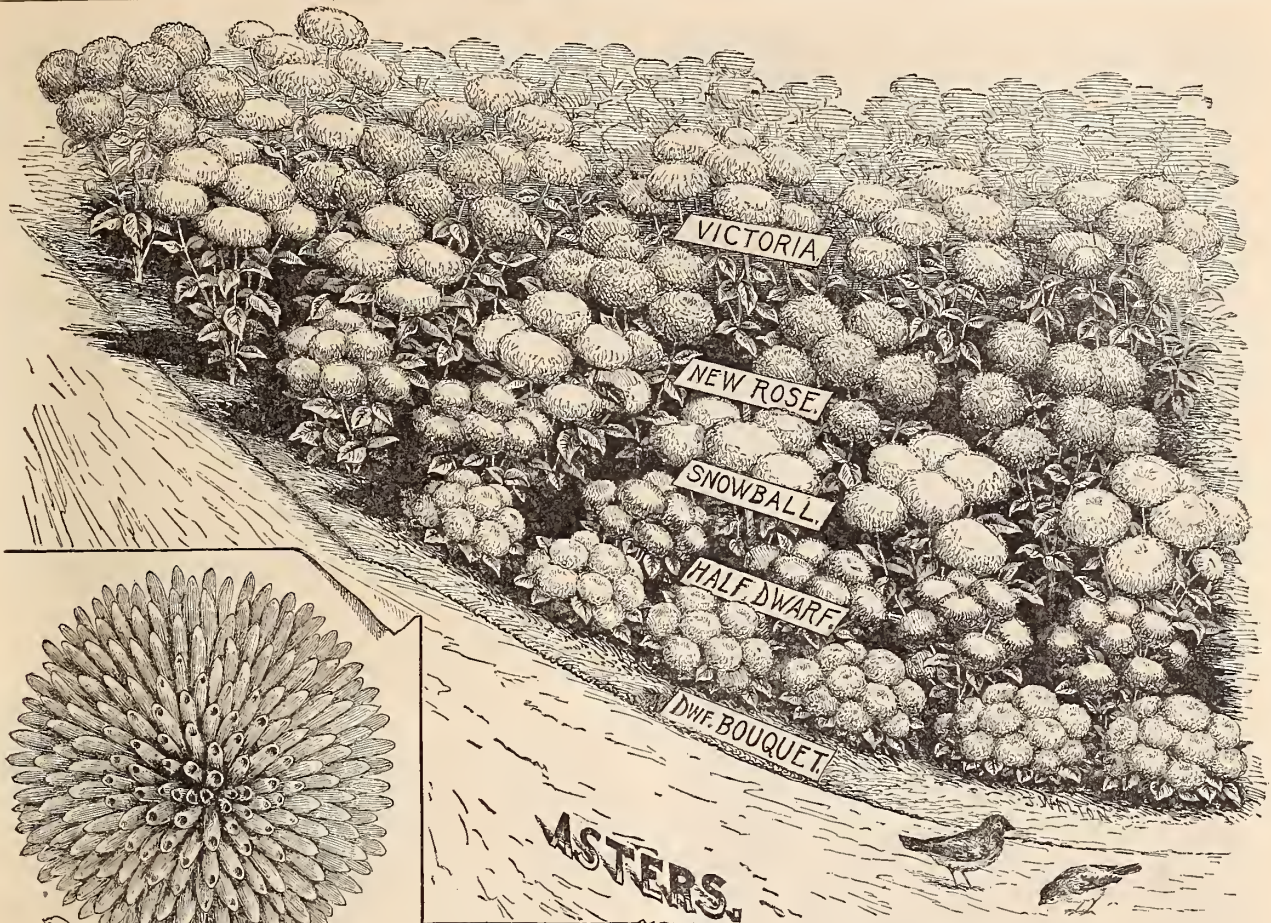


A S T E R S

No flower is more popular than the Aster, and few have held so high a place in popular esteem for so many years, and it is still growing in favor. Perhaps we can safely say that for an autumn display, it has no successful rival among the Annuals. Give the Aster a deep, rich soil, and mulching with coarse manure is very beneficial, and if extra fine flowers are needed for exhibition or any other purpose, a little liquid manure occasionally will give the most gratifying results. Plants may be grown in the hot-bed, cold-frame, or a seed-bed in the garden, but to obtain good flowers, the Aster plant must be strong and "stocky." A plant that is what the gardeners call "drawn" will never produce very fine flowers. A "drawn" plant is one that, by being crowded in the seed-bed or some other cause, has become tall, slender and weak. The Aster transplants easily. Twelve inches apart is the proper distance for making a showy bed of the large varieties; the dwarf kinds may be set six inches or less. It is not best to have Asters flower too early in the season, and there need be no haste in starting seed in the spring, for the Aster, like the Dahlia, is essentially a fall flower, and the flowers are always the largest and most perfect and enduring in the showery weather and cool, dewy nights of autumn. The tall varieties with large flowers need a little support, or during storms of wind and rain they are often blown down and their beauty destroyed when in full blossom. Set a stake in the ground near the stem, so that its top is only about two-thirds the height of the plant, then fasten the main branches to this stake by means of loops, but do not pass the string around the whole plant.

With the exception of the new varieties, the classes of Asters are arranged according to height, commencing with the tallest.

- Washington**, the largest Aster we have ever known, and we have exhibited them five inches in diameter and perfect, mixed colors 25
- Aster, Truffaut's Pæony-flowered Perfection**, large, beautiful flowers, petals long; a little reflexed; 2 feet in height; mixed colors 10
- Truffaut's Pæony-flowered Perfection**, same as above, in twelve separate colors, and very true to color; each color 10
- Cocardeau, or New Crown**, two-colored flowers, the central petals pure white, sometimes small and quilled, surrounded with large, flat petals of a bright color; 18 inches; mixed colors 10
- Cocardeau, or New Crown**, carmine, violet, blue, deep scarlet, violet brown, etc., each with white center; each variety 10
- Imbrique Pompon**, very perfect; almost a globe and beautifully imbricated; mixed colors 10
- Diamond**, is a comparatively new Aster of the Imbrique class. Plant 18 inches in height, very robust, blooms freely, flowers perfect and compact; mixed colors 15
- Hedge-Hog, or Needle**, petals long, quilled, and sharply pointed; two feet; mixed colors 15
- New Victoria**, flowers large; habit pyramidal; 2 feet high; one of the finest; mixed colors 15
- New Victoria, White**, one of the finest white varieties; flowers large, perfect in form, and of the purest white 15
- New Rose**, 2 feet in height; robust; large flowers, petals finely imbricated and of great substance; one of the very best; mixed colors 10
- New Rose**, twelve separate colors—white, crimson violet, etc., each color 10
- New Pæony-flowered Globe**, two weeks earlier than Truffaut's Pæony-flowered, flowers very large; plant branching and strong; does not require support 10
- Dwarf Victoria**, the finest class of Half Dwarf Asters; for size, range of color, and profusion of bloom, it is unsurpassed; mixed colors 15
- Half Dwarf multiflora mauve**, one of the best, about 15 inches in height, of fine form; flowers perfect and abundant, delicate white and mauve 15
- New Chrysanthemum-flowered Dwarf**, a desirable class, 1 foot in height; late, and valuable on this account, as well as for its great beauty; mixed colors 10
- Chrysanthemum-flowered Dwarf, White**, a superb variety; every flower usually perfect 10
- Newest Dwarf Bouquet**, each plant looks like a bouquet of flowers; fine for edging or small beds; about 13 different colors mixed 10



CHOICE NEW ASTERS.

We call attention to the following new varieties of Asters, of recent introduction, as being worthy of special commendation:

- Aster, Comet**, differs from others in its long, wavy, twisted petals, which are formed into a head 3½ to 4½ inches across, resembling the Japanese Chrysanthemums, petals pink, margined with white..... 25
- Snowball**, a splendid variety of dwarf symmetrical habit, not more than 10 or 12 inches in height. The pure white flowers are regularly imbricated, globular in form, of extraordinary size; and are produced in the greatest profusion; excellent for bedding.... 25
- Triumph**, a very dwarf profuse-flowering variety, with very large, double, brilliant crimson-scarlet flowers. One of the most perfect of dwarf Asters, both in habit of plants and form and color of flowers..... 25
- Dwarf Victoria Dark Scarlet**, a new color in this beautiful class of Asters. Fine for masses and edgings..... 15
- Fire King**, Brilliant scarlet; habit very compact, about twelve inches in height, with large beautifully incurved flowers completely covering the plant..... 25
- Eclipse**, an exceedingly fine pure white Aster; plant somewhat taller than Snowball, and very uniform; flowers large and of fine form; a very free bloomer..... 15
- Mignon**, similar in habit to Victoria, but the flowers are smaller, beautifully imbricated; pure white, and a very perfect form; one of the finest white Asters for cutting..... 15

ALONSOA.

The Alonsoa is a tender or half-hardy annual. Young plants removed to the house or greenhouse in the autumn will continue to flower during the winter. The flowers are small but brilliant. Sow seed under glass, and do not remove to garden until the weather is quite warm.

- Alonsoa grandiflora**, scarlet, 2 feet in height 5
- linifolia**, plant of pyramidal habit, bearing its beautiful scarlet flowers in great abundance; 18 inches..... 10
- Warczewiczii**, flowers small, bright scarlet, forming a very pretty spike; 18 inches high; set plants 8 or 10 inches apart 5
- Mixed Varieties**..... 5

BRACHY-COME.

Brachycome iberidifolia is a Daisy-like flower, found on the banks of the Swan River in Australia, and is sometimes called Swan River Daisy. An elegant little plant, growing about eight inches in height, of compact, branching habit and abundance of flowers, something like those of the Cineraria. An excellent flowering plant, deserving more attention than it receives, the blue being particularly desirable.

- Brachycome iberidifolia**, (Swan River Daisy), blue and white, separate or mixed..... 5



BRACHYCOME IBERIDIFOLIA.



BALSAMS.

The Balsam, like the Aster, is one of the most beautiful and popular of our Annuals. Like that flower, too, it is a favorite, and so much improved during the last quarter of a century, that it scarcely bears a resemblance to the old flower. Our Climate is wonderfully adapted to the growth of the Balsam, and with a good, rich soil, and decent care, plants and flowers of the greatest excellence are produced. Sow in a frame or bed, and transplant when two or three inches in height. The Balsam loves a warm place. When the plants appear to be making too thick a head, so as to hide the flowers, it is a good plan to cut out some of the branches when small. The Balsam can be pruned to any desired form, to two or three branches or even to a single stem. For the center of a bouquet a good Balsam flower is almost as desirable as a Camellia, but must be supplied with an artificial stem.

- Balsam, Improved Camellia-flowered, flowers very large, extra double; superb strain 25
- Camellia-flowered, very double, perfect in form; mixed colors 10
- Camellia-flowered, 12 colors, each in separate package; each color 10
- Camellia-flowered, Extra Choice White, double 15
- Camellia-flowered, Deep Blood Red, very double; extra fine 15

- Balsam, Camellia-flowered Spotted, very double; spotted with white; mixed colors 10
- Camellia-flowered Spotted, twelve colors, each in separate package; each color 10
- Dwarf Camellia-flowered, Spotted, 8 or 9 inches in height; splendid for a border or outside row of a bed 10
- Double Dwarf, very double; 5 inches 10
- Half Dwarf, 18 inches in height 10
- Carnation, double; striped like the Carnation 10
- Solferino, white, striped and spotted with red 10
- Common Double, occasionally only semi-double 5

CHRYSANTHEMUM.

This flower has of late come to be a popular favorite, exceedingly fashionable, and the demand for it has consequently largely increased. It makes a very showy appearance in the garden.

- Chrysanthemum Burridgeanum, crimson, with white center; very showy; one foot 5
- Venustum, white, crimson center; one foot 5
- Lord Beaconsfield, rich crimson-maroon, delicately striped and edged with gold, and a circle of the same color surrounding an eye of richest brown 10
- The Sultan, main color same as Lord Beaconsfield, but having a deep golden-hued rim around the eye 10
- W. E. Gladstone, new and entirely different from the other varieties, in color a brilliant crimson 10
- Eclipse, showy and very striking, colors a combination of yellow, purplish-scarlet and dark brown 10
- Double White, 5
- Double Yellow, 5
- Mixed annual varieties, 5

CACALIA.

Cacalias are pretty, half-hardy annuals, with small, tassel-like bloom, often called Flora's Paint Brush. The flowers are borne in clusters on slender stalks, about a foot in length. Sow seed under glass if possible, though they do pretty well in a warm bed in the garden. Set the plants six inches apart. They keep in bloom from early summer until autumn. Particularly valuable for small bouquets.



- Cacalia coccinea, scarlet 5
- coccinea flore-luteo, yellow 5

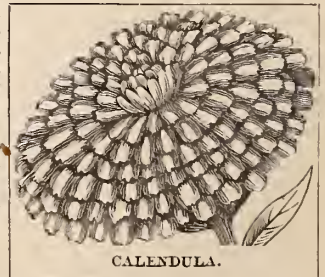
CLARKIA.

The Clarkias are valuable flowers, and in some countries are used for masses of colors, in the manner we employ the Phlox Drummondii, and with the same good results. They do not seem to thrive so well under our bright summer suns. Seed sown in the autumn give early summer flowers. For early spring flowers or for cool, shady places, we can cheerfully recommend the Clarkias.

- Clarkia, Double, best varieties, mixed colors 5
- Single, the latest and best varieties, choicest colors 5

CALENDULA.

The Calendula is the fine old and well known Marigold family, which every one knows, but may not recognize by this name. The name was given because some of the species were supposed to be in flower every month in the Calendar. The old Pot Marigold, much prized by the housekeepers in Europe for flavoring is *C. officinalis*. Formerly the flowers were thought to possess valuable medicinal properties. The English name is a corruption of Mary's gold.



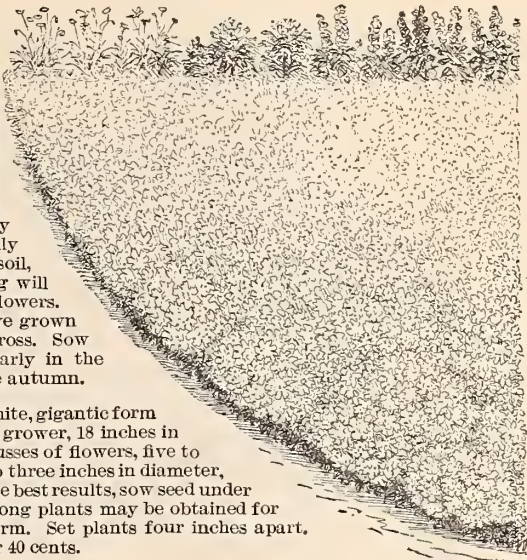
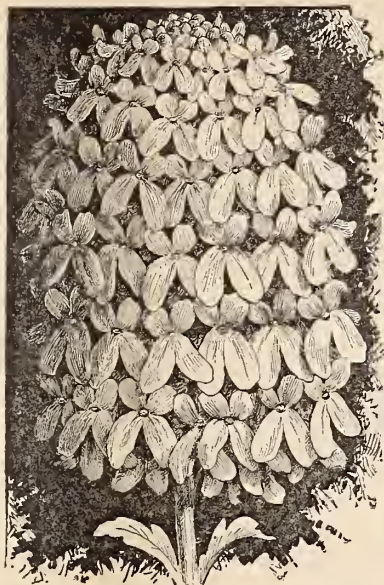
CALENDULA.

- Calendula officinalis Le Proust, uniformly double; nankeen, edged with brown. 5
- Meteor, the handsomest of the Calendulas, perfectly double and beautifully striped, the petals having a creamy center edged with orange yellow 5
- officinalis, Pot Marigold 5
- Mixed Varieties, 5

CANDYTUFT.

One of the oldest and most popular and useful little flowers is the Candytuft. It blooms long and freely, is perfectly hardy, so that most kinds may be sown in the earliest spring, or even in the autumn. Its neat little clusters of flowers are quite a treasure to the bouquet maker, particularly the white. The prevailing colors are white and purple, though some kinds verge on crimson and carmine. The Candytuft is so hardy and so able to care for itself that it usually receives but little attention, yet a rich soil, kept mellow, and an occasional watering will show a wonderful effect on the clusters of flowers. Thin out the too numerous buds. We have grown the flower heads more than three inches across. Sow seed where plants are to flower, very early in the spring, or in more moderate climates in the autumn.

Candytuft, Empress, new, pure white, gigantic form finest variety in cultivation. Strong, free grower, 18 inches in height, and producing several immense trusses of flowers, five to eight inches in length and two and a half to three inches in diameter, individual flowers of large size. To secure the best results, sow seed under glass as early as February, so that good strong plants may be obtained for setting in the open ground when soil is warm. Set plants four inches apart. Price, per packet, 10 cents; five packets for 40 cents.



- Candytuft, Purple,..... 5
- White,..... 5
- Rocket, pure white, in long spikes..... 5
- Sweet-scented, pure white; slightly fragrant..... 5
- Flesh Color,..... 5
- Dunnett's Extra Dark Crimson,..... 5
- New Carmine, true to color..... 10
- Mixed Colors of above,..... 5
- New Dwarf Hybrid, about six inches in height; blooms the entire season; fine for edgings; mixed colors..... 10

CANNA.

The Cannas are stately plants, with broad, green, highly ornamental leaves, that make superb beds for the lawn, giving our grounds in the North a tropical appearance exceedingly pleasant. There are several varieties, the leaves of some being entirely green, while in others the leaf-stem, mid-rib and veins are red. Some kinds grow four to five feet in height, while others are only about three feet. In a cold climate it is well to grow young plants in pots under glass, but we have seen excellent beds even farther north than Rochester, from plants grown from seed put in the ground the middle of May. Seeds should be soaked in hot water twenty-four hours before planting. Many, to be certain of success, however, obtain roots, which, if planted out early, soon yield vigorous and luxuriant plants, and, with their rich foliage, make a delightful contrast to ordinary garden plants.

CALLIOPSIS.



The genus Calliopsis embraces a very useful and brilliant class of hardy annuals. The plants are usually two or three feet in height, of slender habit and rapid growth. The flowers are of every shade of yellow, orange and rich reddish brown, and make brilliant groups or low

screens. Seeds grow very readily, and may be sown where plants are to flower.

- Calliopsis, mixed colors..... 5

CENTAUREA.

The Centaureas are a very large family, perfectly hardy. Centaurea Americana is the largest and best, and is known as the Basket Flower, because the involucre has the appearance of a basket filled and overflowing with the hair-like petals.

- Centaurea Cyanus, known as Bachelor's Button and Corn Bottle, various colors mixed..... 5
- Sweet Sultan, mixed varieties..... 5
- Americana, very large flowers; lilac purple..... 10
- All above kinds mixed,..... 5



- Canna Indica (Indian Shot), rubra, red..... 10
- Warszewiczii, red, foliage striped..... 10
- Selowii, scarlet; profuse blooming..... 10
- President Faivre, fine dwarf, dark-leaved variety..... 10
- Compacta elegantissima, large; reddish yellow; free flowering..... 10
- Nepalensis, superb yellow flowers..... 10
- Dark-leaved varieties mixed,..... 10
- Mixed varieties,..... 10

CELOSIAS.



VICK'S JAPAN COCKSCOMB.

Celosias are interesting and brilliant annuals, and when well grown from seed of good quality never fail to please the grower and attract attention. There are two desirable forms of the Celosia, the Cockscomb and the Feathered. There are several colors, red, orange, and yellow, but the bright reds are the best. These combs are often grown a foot or more across the top. Vick's New Japan Cockscomb far excels every other variety in the varied forms and beauty of the combs and the brilliancy of their color. It not only sustains its original character, but seems to like the American climate and soil. In many specimens the comb is so nicely cut as to resemble the finest coral, both in form and color, and this appearance we have endeavored to show in the engraving. Some of the side branches also assume the square instead of the comb form. The Feathered Celosia has large, feathery plumes of great size and beauty. Our Celosia superba plumosa is the very best of this class in cultivation, and comes true from seed. The feathery heads are often a foot in length, bright crimson, but do not reach their best until toward autumn.

- Celosia Japonica*, Vick's Japan Cockscomb, an entirely distinct and very beautiful variety 10
- cristata* (Cockscomb), *Crimson Giant*. This is one of the largest and brightest of the common Cockscombs 10
- Glasgow Prize*, very fine dwarf variety, with dark leaves and crimson combs 10
- Dwarf varieties mixed, 10
- Tall varieties mixed, 10
- superba plumosa*, a really superb feathered Celosia; bright crimson in color; a bed of this in the autumn is a beautiful sight 10

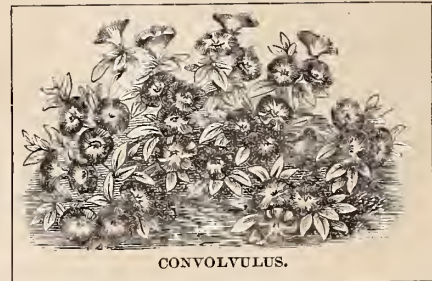
COLLINSIA.



Collinsias are free-flowering, hardy annuals, the flower stalks being one foot to eighteen inches in height. The flowers are in whorls, and several of these around each flower stem. Seed may be sown in the open ground.

- Collinsia*, mixed varieties 5

CONVOLVULUS.



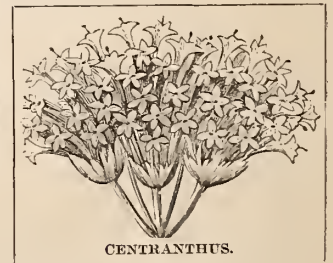
CONVOLVULUS.

Every one, of course, is acquainted with the old Morning Glory, which is *Convolvulus major*, but all do not know the Dwarf Morning Glory, *Convolvulus minor*. It has a trailing habit, and we have tried to show its appearance in the engraving, each plant covering a space of two feet or more in diameter. The flowers are about two-thirds the size of the Morning Glory, and a bed of them forms a beautiful mass.

- Convolvulus minor*, mixed colors 5
- Mauritanicus*, desirable for hanging baskets, bearing many lavender-blue flowers 10

CENTRANTHUS.

The flowers of *Centranthus* are small, borne in clusters, as shown in the engraving, on light green, almost transparent stems. They form beautiful masses or borders, and for cutting for bouquets, or other floral work are excellent. We have never experienced difficulty in obtaining plants from seed in the open ground.



CENTRANTHUS.

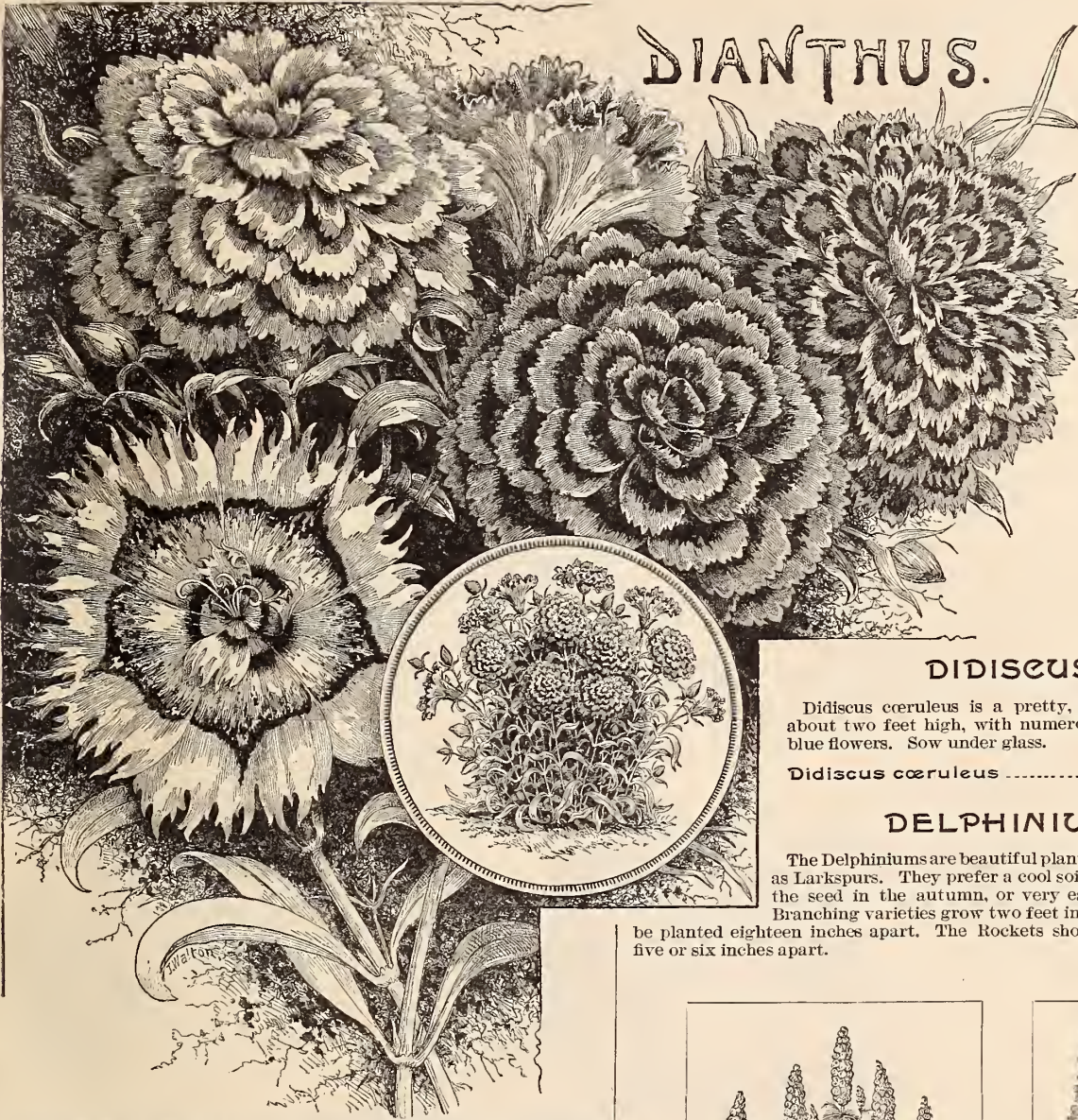
- Centranthus*, mixed varieties 5

CAMPANULA.

Seed may be sown in the open ground or under glass. Set plants five or six inches apart in beds. The annual Campanulas make handsome masses or borders.

- Campanula macrostyla*, a remarkably fine species, with handsome, large violet flowers; eighteen inches in height; set plants one foot apart 10
- Lorei*, blue and white mixed 5
- speculum* (Venus' Looking Glass), mixed colors 5

DIANTHUS.



The varieties of Dianthus known as Chinese Pinks and Japan Pinks are among the most brilliant of our garden flowers. Plants of the tall sorts are from twelve to fifteen inches in height; the dwarf make low, compact plants. Seed may be sown in the spring, under glass or in a seed bed.

Dianthus Chinensis , best double varieties mixed	5
imperialis (Double Imperial Pink), mixed	5
imperialis ruber striatus , double, white, striped with red	5
imperialis purpureus striatus , double, white, striped with purple	5
imperialis flore-pleno atrosanguineus , blood-red; double	5
imperialis flore-albo pleno , double, white	5
Heddewigii , large flower, three inches in diameter, beautiful, rich colors, finely marked	10
Heddewigii flore-pleno , often double, but sometimes only semi-double	10
Heddewigii albus plenus , large, white, double flowers	10
laciniatus , flowers very large, sometimes three inches in diameter; petals very deeply fringed and beautifully colored	10
laciniatus flore-pleno , magnificent double flowers, very large; petals deeply serrated	10
Mixed Seed of last five varieties	10
Heddewigii diadematus flore-pleno (Diadem Pink), brilliant markings and dazzling colors	10
Best dwarf varieties mixed	5

DIDISCUS.

Didiscus cœruleus is a pretty, half-hardy annual, about two feet high, with numerous umbels of sky-blue flowers. Sow under glass.

Didiscus cœruleus 10

DELPHINIUM.

The Delphiniums are beautiful plants, generally known as Larkspurs. They prefer a cool soil and season. Sow the seed in the autumn, or very early in the spring. Branching varieties grow two feet in height, and should

be planted eighteen inches apart. The Rockets should be set in rows five or six inches apart.



Delphinium Ajacis hyacinthiflorum (Double Dwarf Rocket), mixed colors	5
elatior flore-pleno (Tall Rocket), large plant; very showy	5
Consolida flore-pleno (Stock-flowered), double, branching; fine for cutting; mixed colors	5
Consolida flore-pleno candelabrum , 1 foot in height; flowering late	10
imperiale (Emperor Larkspur), fine, compact plant, brilliant colors; mixed	10



DOUBLE DAISY.

Sow seed very early. The flowers are abundant in early spring, and may be made to flower later by the use of water. Plants can be removed safely even when in flower. The plants should be about six inches apart when set.

- Double Daisy, best German seed, mixed colors..... 20
- White, constant..... 20
- Longfellow, a new variety, with fine, large, rose-colored flowers 20

EUPHORBIA.

Euphorbia marginata grows about two feet in height. The large leaves are nearly two inches long, and smaller at the top of branches, light green and white margined. A native of our Western States, and called Snow on the Mountain.

- Euphorbia marginata*..... 5

DATURA.

Daturas are large, strong-growing plants, with trumpet-shaped flowers, the best bearing blooms six inches in length, mostly white, sometimes tinted with a delicate blue. The roots can be preserved in a cellar, like Dahlia roots. Plants three feet in height; set the plants three feet apart.

- Datura Wrightii*, is one of the best, with trumpet-shaped flowers from seven to nine inches long, white, faintly tinted with lilac, sweet-scented 5
- humilis flava flore-pleno*, a splendid plant, with large, yellow, double flowers..... 5
- atroviolacea plenissima*, flowers dark shades of violet, very double..... 10
- fastuosa alba plena*, fine, double white..... 5
- fastuosa Huberiana*, flowers large and double, inside white, outside generally colored..... 5
- Mixed varieties..... 5

ESCHSCHOLTZIA.

Eschscholtzia plants grow from six inches to a foot in height. Leaves finely cut, and of a glaucous green color. Flowers yellow, orange and white. Known as the California Poppy. Seed may be sown in the garden, where the plants flower.

- Eschscholtzia*, all varieties mixed..... 5

EUTOEA.

The *Eutocas* are coarse-growing plants, flowers of dark colored sorts intensely blue. Do best in warm, sandy soil, giving more flowers than if in a rich soil. Desirable for cutting; a branch placed in water will bloom many days.

- Eutoca viscida*, dark blue; pretty..... 5
- Wrangeliana*, lilac; 9 inches..... 5
- multiflora*, flowers more freely than the others..... 5

FENZLIA.

Fenzlia dianthiflora is a neat little plant, bearing a perfect mass of small flowers. The flowers are rosy tinted with dark purple throat. Good for pot and basket culture, and desirable for edgings.

- Fenzlia dianthiflora*..... 15



ESCHSCHOLTZIA.

GODETIA.

The newest varieties of *Godetia* are well deserving of cultivation. They are profuse and constant bloomers, and their delicate tints of crimson, rose and white render them very attractive. Seeds may be sown in the open ground, but it is better to sow in a cold-frame. Set plants a foot apart.



- Godetia Bijou*, plant not over six inches in height, but very bushy, and covered with a mass of beautiful, pure white flowers, marked with a dark rose spot at the base of each petal..... 10
- Duchess of Albany*, handsome new variety, with very large, glossy, satiny-flowers..... 10
- Lady Albemarle*, flowers brilliant dark crimson, very large; plant 1 foot in height..... 10
- Satin Rose*, bright rose, glossy and satin-like in appearance; very fine..... 10
- Whitneyi Brilliant*, beautiful dwarf compact plant, with rich carmine flowers..... 10
- Best varieties mixed..... 5

GLAUCIUM.

Glaucium corniculatum, one of the Horned Poppies, is a pretty, white-leaved plant. The leaves are silvery white, something like the old "Dusty Miller." Fine for edgings, vases, or ribbon beds. Perfectly hardy.

Glaucium corniculatum 10

GYPSOPHILA.

Gypsophila are valuable for bouquet-making, either green or dried. All flower the first season, but *G. paniculata* continues to bloom several years. Dry well.

Gypsophila elegans, hardy annual; white; 6 in. 5
muralis, beautiful hardy annual, 6 inches in height, forming a dense mass, and blooming profusely the entire season; flowers pink; fine for edgings ... 5
paniculata, perennial; white; fine for cutting ... 5

KAULFUSSIA.

Kaulfussias are pretty free-flowering, hardy annuals, with the appearance of single *Asters*. The plants make a low growth, only about six inches in height. The colors of some are very intense; blue, rose and violet.

Kaulfussia, mixed colors 5

GAILLARDIA.

Gaillardias, known as Blanket Flowers, are good bedding annuals, being strong, constant bloomers through the whole summer. Set plants twelve to eighteen inches apart.

Gaillardia picta, red and yellow, ... 5
Josephus, very brilliant; red and orange 5
albo-marginata, red, bordered with white 5
Amblyodon, fine red 5
picta Lorenziana, is a fine new double variety; heads two inches in diameter. See engraving 10



GAILLARDIA.

grandiflora, perennial; large, brilliant flowers; excellent for cutting; mixed varieties 10
Mixed varieties 5

GILIA.

Gilias are free-flowering, hardy annuals, one foot to eighteen inches high, with clusters of small, delicate flowers; desirable for cutting. Seed should be sown in the open ground, but if transplanted, remove when small.

Gilia achilleæfolia, mixed colors 5
capitata, mixed colors ... 5
tricolor, mixed colors ... 5
All varieties mixed. 5



GILIA.



HELIANTHUS.

HELIANTHUS.

Helianthus is the well-known old Sunflower; coarse, tall plants, from four to eight feet in height, bright, yellow flowers. The best double varieties produce a very good effect among shrubbery, and when used as screens. The Sunflower is hardy and sometimes reproduces itself from self-sown seed. The seeds of the single varieties are of considerable value for oil as well as for feeding poultry. *Helianthus multiflorus plenus*, described under "Hardy Plants and Bulbs," is a variety that is attracting much attention. It can be obtained only as a plant, and we recommend our friends to try it.

Helianthus globosus fistulosus, the best of the Sunflowers; very large; double 5
Double Green-centered, a large flower with green center when young; when old, perfectly double flower; five to eight feet in height 5
New Mammoth Russian, single; very large 5
Common Single, usually grown for the seed; per lb. 30 cents 5

LUPINUS.

Lupinus is a well-known genus of very conspicuous plants, commonly called Sun Dials. They are hardy, and seed must be sown in the open ground, having a tap root and not transplanting well. The flowers are pea-formed, in long spikes; the leaves compound and very pretty. Prevailing color blue, though there are white and yellow varieties. There are, also, many perennial kinds.

Lupinus, mixed varieties 5

LYCHNIS.

To obtain good flowers the first summer, start seeds under glass and transplant as early as the weather will permit. Plants live for several years.

Lychnis Chalcedonica, bright scarlet; has a fine appearance when grown in masses; perennial; two feet 5
Chalcedonica fl.-albo, white; perennial; two feet 5
Haageana, vermilion-colored flowers; one foot 10
Haageana hybrida, large flowers, white, rose, red, etc., one foot 10
fulgens, very brilliant; eighteen inches 10
grandiflora gigantea, flowers very large, of various colors.. 10

LEPTOSIPHON:

Leptosiphons are low, pretty, hardy annuals, growing less than six inches in height. We sow seed late in autumn, or early in the spring, so as to have flowers before the hot weather.

Leptosiphon, mixed varieties 5

LINARIA.

Linarias are very attractive, free-flowering, hardy annuals, with handsome spikes of flowers resembling the Snapdragon.

Linaria, mixed varieties 5

LOBELIA.



LOBELIA.

Some of the Lobelias are hardy perennials, like the Cardinal Flower. Annual varieties are of various styles of growth; some of them are of trailing habit, others make low-growing, bushy plants; while others form dwarf, compact, little plants, fit for edgings, etc.



LOBELIA.

- Lobelia cardinalis*, our native Cardinal Flower; spikes of brilliant scarlet flowers; blooms first year if well started with heat..... 10
- Crystal Palace compacta*, dark-blue, the best for edgings and carpet-bedding..... 10
- Emperor William*, light blue, compact, very fine..... 10
- Erinus compacta*, deep, rich blue..... 10
- Erinus compacta alba*, white..... 10
- hybrida grandiflora*, large, dark blue flower, with white eye..... 10
- Mixed varieties for baskets, etc..... 10

MYOSOTIS.

Perennial plants, flowering first season if sown early; small, white and blue flowers. Seed may be sown in a hot-bed and transplanted, or in the open ground in the spring.



MYOSOTIS.

- Myosotis Alpestris*, blue, six in..... 10
- alpestris*, white; six inches..... 10
- alpestris rosea*, rose; six in..... 10
- alpestris robusta grandiflora*, new; large flowering, of pyramidal habit; very fine..... 10
- palustris* (Forget-me-not), white and blue..... 10
- Azorica*, dark blue; one foot..... 15
- Azorica* var. *Cœlestina*, flowers sky-blue..... 15
- Mixed varieties,..... 10



MIRABILIS.

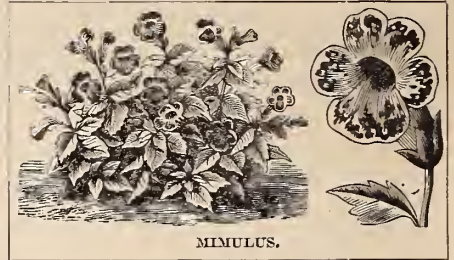
MIRABILIS.

The Mirabilis, or Four O'Clock, grows two feet high, bright foliage, fragrant flowers and desirable colors. Set plants two feet apart. Makes a nice summer hedge if set in a row a foot apart. Seed should be planted in the open ground where the plants are desired. Flowers open in the afternoon, hence the name Four O'Clock.

- Mirabilis Jalapa* (Marvel of Peru), mixed colors..... 5
- follis-variegatis*, flowers of a variety of colors; leaves light-green, faintly marbled..... 5
- longiflora*, white, exceedingly sweet-scented; flower tube three or four inches long..... 5
- longiflora violacea*, same as above, but violet..... 5
- Tom Thumb*, White, a new very dwarf variety, completely covered with pure white flowers..... 5

MIMULUS.

The Mimulus, or Monkey Flowers, are beautiful, tender looking plants, with almost transparent branches. Fine for baskets, vases and house culture, and do well planted out where they will be somewhat shaded.



MIMULUS.

- Mimulus cupreus*, beautiful, orange and crimson..... 10
- hybridus tigrinus*, as beautifully spotted as the finest Calceolarias..... 10
- hybridus tigrinus flore-pleno*, a double Mimulus, with the most beautiful flowers..... 10
- moschatus* (Musk Plant)..... 10
- quinquevulnerus maximus*, from best varieties..... 10
- Mixed varieties,..... 10

MOLUCCA BALM.

The Molucca Balm is commonly known as the Shell Flower, because of the resemblance of the calyx to a shell. It is a strong annual, two or three feet in height, having but few leaves. Very curious and attractive.

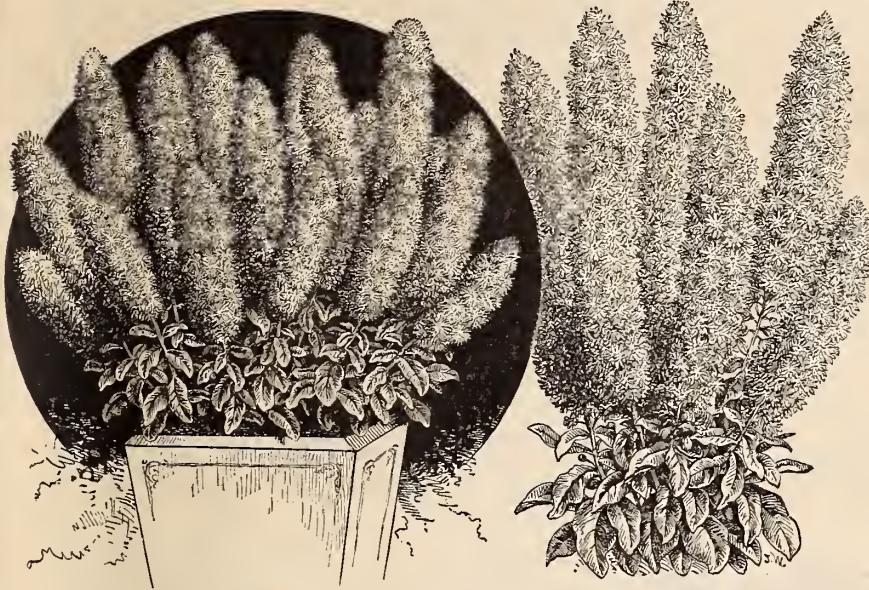
- Molucca Balm* or Shell Flower,..... 10

MEDICAGO.

Medicagos are more or less cultivated for their curious seed vessels. The Snail and Hedge-hog are the best.

- Snail*, clover-like plant, with small yellow flowers..... 10
- Hedge-hog*, like above, except seed-pod..... 10





MACHET.

HYBRID SPIRAL.

MIGNONETTE.

Seeds of Mignonette can be sown at any season, so that by having pots prepared at different times a succession of flowers can be secured, and Mignonette adorn a button-hole, and perfume the house at all times. Seed sown early in the garden will give flowers through summer. New Spiral has long, strong spikes, as shown in the engraving. We need not describe the common Sweet Mignonette that everybody knows, and yet very few cultivate, compared with the many that might show their love of this sweet little flower.

- Reseda odorata* (Sweet Mignonette), well known, fragrant, little, hardy annual; per. oz., 20 cents..... 5
- odorata grandiflora ameliorata*, large variety of Mignonette, reddish tinge to flowers; per oz., 25 cents.. 5
- Golden Queen*, a very fine, new and distinct variety, with flowers of a golden hue; the best of recent introductions.. 10
- Machet*, plant dwarf and vigorous, of good habit, producing many large spikes of very sweet-scented red flowers; fine for pot culture..... 10
- New Hybrid Spiral*, robust plant, long spikes..... 10
- Parson's New White*,..... 5

MARIGOLD.



Marigolds are tall, coarse plants, often more than two feet in height. Flowers large, double, in color yellow, orange and brown. There are several dwarf varieties, growing only about a foot in height. The African varieties are more robust than the French, but flowers of the latter are better.

- African Marigold*, mixed varieties..... 5
- French Marigold*; striped, yellow and brown..... 5
- Tall varieties mixed*,..... 5
- Dwarf varieties mixed*,..... 5
- Tagetes signata pumila*, a beautiful plant, forming a globular, dense mass..... 5

MESEMBRYANTHEMUM.

The Mesembryanthemums are pretty, half-hardy annuals, with delicate, succulent, almost transparent branches and leaves. The most popular are known as Ice Plant and Dew Plant. Both are of drooping habit, and adapted to basket and vase work. The flowers of the Ice Plant are small and white. The Dew Plant has a smooth, light green, dewey-looking leaf, and a very pretty pink flower.

- Mesembryanthemum crystallinum* (Ice Plant), prized for its singular icy foliage..... 5
- glabrum* (Dew Plant), reddish violet..... 5

NEMOPHILA.

The Nemophilas are pretty, delicate, hardy annuals. The flowers are mainly blue and white. They do best if sown in a frame and transplanted early, as the hot sun injures the flowers; but do finely all summer, if planted in a rather cool, shaded place. Set about six inches apart. A few plants set early among spring flowering bulbs or seeds scattered over the beds in autumn, will give a good account of themselves in early spring.



NEMOPHILA.

- Nemophila*, mixed varieties..... 5

NIGELLA.

Seeds grow readily, may be sown in the open ground early in the spring. Hardy annuals, with finely cut leaves and curious showy flowers.



- Nigella Damascena* (Love-in-a-Mist), double; one foot..... 5
- Damascena nana*, dwarf; variety of colors; six inches..... 5
- Hispanica*, large-flowered; very fine; one foot..... 5
- Fontanesiana*, much like N. Hispanica, but blooms two weeks earlier..... 5

NIEREMBERGIA.

The Nierembergias have whitish flowers, tinted with lilac, with a deep purplish lilac blotch in the center. Tender perennials, suitable for house culture, or may be treated as tender annuals. For baskets, vases, etc., we cannot recommend them too highly. Plants slender, with abundance of flowers, and almost perpetually in bloom.

- Nierembergia gracilis*, plant very branching, spreading; fine for pots, or the border..... 10
- frutescens*, taller and of more erect habit than preceding, with flowers larger and more open..... 10

NICOTIANA.

Of the varieties of Tobacco cultivated for the fragrance of their flowers, the newly introduced *Nicotiana affinis* is the best we have grown. The plant attains a height of three feet, and at evening and early morning is covered with deliciously-scented large white flowers.

Nicotiana affinis, 10

NOLANA.

Nolanas are trailing, hardy annuals. Prefer a light soil. Seed may be sown in the border where the flowers are desired, or in a seed-bed to be transplanted as needed. Excellent for rock work, baskets, etc. Flowers cup-shaped, something like those of the Morning Glory.

Nolana, mixed varieties 5



PERILLA.

Perilla Nankinensis is a very fine and dark ornamental-leaved annual. It has a broad, serrated leaf, of a purplish mulberry color, and eighteen inches or more in height. Very desirable for the center of a bed of ornamental-leaved plants, and also for a low screen or hedge.

Perilla Nankinensis, 5



POPPY.

Good annual varieties of the Poppy are numerous, ranging in size from the little *Ranunculus*-flowered, an inch in diameter, to the large *Pæony*-flowered. They have strong tap-roots, and are difficult to transplant; it is better to sow the seed early in the spring where the plants are to flower. All the Poppies are perfectly hardy. The grand Oriental Poppy will be found in the Perennial Department, under the name of *Papaver*.

Poppy, Shirley, new, perfectly hardy and flowers profusely the first season from seed. Flowers large, exceedingly graceful, and

ÆNOTHERA.

Ænotheras are very fine half-hardy annuals, opening their flowers suddenly in the latter part of the day, and making a most brilliant exhibition during the evening and early in the morning. Some



ÆNOTHERA PLANT.

of the large varieties attract much attention. The low white variety, *acaulis alba*, is a marvel of beauty, pure white, and one or more flowers appearing each evening. Most of the other varieties are yellow. No plant in the garden is more interesting to the children, who watch the opening flowers with the greatest pleasure.



POPPY.

and elegant; generally single or semi-double, and are very valuable for table or general decoration; if cut young, and the stems instantly placed in water, will continue to expand, and last for several days without dropping or fading; the colors are pure, soft and varied, and range from bluish-white, rose, delicate pink, and carmine through innumerable tints to bright sparkling crimson 10

Mikado, new. This charming variety is a characteristic Japanese flower in its quaint beauty. The flowers, large and loose, resemble the Japanese *Chrysanthemum*, while the petals are cut and fringed in the most attractive manner. The color is pure white at the back, while the edges are of a brilliant crimson scarlet 10

Carnation-flowered (somniaferum, fl. pl.), (Double Opium Poppy), splendid large double flowers; mixed colors 5

Danish Flag, flowers brilliant scarlet, with a large silvery-white blotch at the base of each petal, forming a white cross on scarlet ground 5

Pæony-flowered, large flowers, very double 5

Ranunculus-flowered, small, double 5

Papaver nudicaule, yellow; biennial; blooms from May till October; 1 foot 5

Papaver umbrosum, flowers bright vermilion, with a shining black spot on each petal; very showy 5

Scarlet Single, the single Scarlet Corn, or Field Poppy, of Europe 5

somniaferum (Opium Poppy), true, single, per pound, 90 cts.; per ounce, 10 cts. 5

PALAFOXIA.

Palafoxia Hookeriana is a fine annual. Flowers are rosy crimson, with a dark center. Set the plants about ten inches apart.

Palafoxia Hookeriana, 5



PALAFOXIA.

OXYURA.

Oxyura chrysanthemoides is a pretty, little, hardy annual, neat in habit, branching, about eighteen inches in height; flower daisy-like. Lemon yellow, white edging.

Oxyura chrysanthemoides, 5

PHACELIA.

The *Phacelias* are hardy annuals. Most varieties are blue, though some are white. Very fair as border plants and good for bouquet-making. Good for bee food.

Phacelia congesta, light blue; per oz. 20 cents 5

tenacetifolia alba, white; per oz. 20 cents 5



ÆNOTHERA FLOWER.



PANSIES.

plants give the largest flowers. Old worn-out plants should be replaced. If the plants come into bloom in the heat of summer the flowers will be small at first, but as the weather becomes cooler they will increase in size and beauty. Often plants that produce flowers two and a half inches in diameter during the cool, showery weather of spring, will give only the smallest possible specimens during the dry weather of summer.

Pansy, Azure Blue, extra fine	15
Black, with bronzy center, fine.....	15
Bronze-color, very good	15
Dark Blue, very rich and constant	15
Dark Purple, rich, deep purple; very fine	15
Emperor William, new; fine large flower, ultra-marine blue with violet purple eye	15
Havana Brown, new shades.....	15
King of the Blacks, almost coal black, coming true from seed	15
Light Blue, lovely shades of sky-blue	15
Lord Beaconsfield, deep purple-violet, shading off in the upper petals to a white hue	15
Mahogany-colored, a very fine variety	15
Pure Yellow, with dark center, generally true to color	15
Purplish Violet, distinct and fine	15
Quadricolor, new and distinct; colors very brilliant	15
Red, bright coppery colors, but not strictly red	15
Silver Edged, dark purple, with white border. A charming variety.....	15
Snowy White, a pure white flower of good form and size. The best white we have ever seen, and generally coming true from seed	15
Striped and Mottled, extra and very showy	15
Violet, with white border; somewhat resembling the fancy Geraniums	15
White, sometimes slightly marked with purple	15
Yellow Gem, clear yellow, without eye	15
Yellow margined, beautiful color, with margin or belt of yellow.....	15
Mixed seeds of above sorts.....	15
Odier, or large-eyed, dark spots on each petal and large eyes; very showy	25
Bugnot. This new strain originated with Mr. Bugnot, a Pansy specialist of France. It is a very beautiful but shy seeding class, having very large flowers with very broad blotches, and from the large spots extend delicate pencillings to the extreme edge of the petals. Though we have known this Pansy since 1886 we have not been able to procure a stock sufficiently true to warrant us in offering it. The seed now offered is of our own growing, saved from selected plants.....	25
Cassier's Giant Blotched. Flowers very large, of the popular Odier type, of fine form and good substance. Plants neat and compact. A very rich and showy strain	25
Giant Trimardeau, a distinct and beautiful class of recent introduction. Plants vigorous and compact; the flowers thrown well above the foliage, and generally marked with three large blotches. They are of enormous dimensions—some specimens grown on our grounds measuring over three inches in diameter. Mixed colors	25
Extra Choice, very large flowering mixed colors	25

The Pansy is a popular flower with both florists and amateurs, giving abundance of bloom until after severe frosts, enduring our hard winters with safety, and greeting us in the early spring with a profusion of bright blossoms. It will flower better in the middle of summer, if planted where it is somewhat shaded from the hot sun, and especially if furnished with a good supply of water, but in almost any situation will give fine flowers in the spring and autumn. Pansy seed may be sown in the hot-bed or open ground; if sown in the spring, get in early as possible, so as to secure flowers during the early rains. Seed sown in a cool place in June or July, and well watered until up, produce fall flowering plants. To have good flowers, the plant must be vigorous, and make a rapid growth. Young



PHLOX.

The Phlox Drummondii, for a splendid mass of colors and a constant display, is not excelled by any other annual or perennial that we are acquainted with. It has every desirable quality for this purpose. The colors range from the purest white to the deepest blood purple or crimson, and yellow, and striped, the clear eye of the Phlox being peculiarly marked. Seed may be sown in the open ground in May, or in hot-bed or cold frame earlier; and in either case, from June, during the summer and autumn, they make a most brilliant bed of showy, yet delicate flowers. A good ribbon bed of the Phlox is a dazzling sight, and there is nothing so cheap. In a good, rich soil it will grow eighteen inches or more in height, and we know of no annual or perennial that will give more satisfactory return for the outlay. Set the plants about one foot apart, unless the soil is very poor; if too thick they suffer from mildew. The Phlox makes a very good border or low summer hedge. The finest effect, however, is produced by planting each color in a separate bed, or in ribbon fashion, its constant blooming making it desirable for these purposes. In selecting plants for a ribbon bed, get good contrasts of color, as white, scarlet and rose. Phlox usually comes very true from seed, so that it is particularly desirable for forming ribbon beds, and if a plant of a wrong color is found it can be easily removed, and the place will soon be filled, for the Phlox is a vigorous grower when it has room. A few papers of seed, that cost but little, will make a grand bed. The seed of the Phlox is perfectly hardy, and we have good success in planting in the autumn, but it must be sown so late that the seed will not start in the fall, for the plants will not bear frost. Early spring is generally the best for sowing. We grow from five to ten acres of Phlox every year, devoting much time and means to its improvement, and have no hesitation in saying our strain of Phlox Drummondii is the best the world produces.

Phlox Drummondii, Deep Blood Purple	10
Brilliant Scarlet	10
Violet Queen, violet, with large, clear white eye	10
Carmine Queen, beautiful carmine, with large, white eye	10
Leopoldii, splendid deep pink, with white eye	10
rosea, beautiful rose color	10
rosea albo-oculata, beautiful rose, with distinct white eye	10
variabilis, violet and lilac	10
flore-albo, pure white	10
flore-albo-oculata, pure white, with purple eye	10
Chamois Rose, very delicate and fine	10
Isabellina, a light dull yellow	10
Radowitzii, rose, striped with white	10
Radowitzii kermesina striata, crimson, striped with white	10

Phlox Radowitzii violacea, violet, striped with white	10
Vick's Beauty. (For description, SEE COLORED PAGES.)	
Vick's New Double White, a very fine, robust, half-dwarf, nearly all coming double; very desirable for cutting	15
All varieties mixed	10

PHLOX DRUMMONDII GRANDIFLORA.

The flowers of this section have round petals, and larger flowers than the old sorts. The following varieties we have found to be nearly constant:

Phlox Drummondii grandiflora splendens, bright scarlet, with white eye	10
alba pura, white, large	10
Drummondii grandiflora elegans, margin from rose to crimson, with very large, round, white, center, or eye	10
atropurpurea albo-oculata, dark purple, with white eye	10
atropurpurea striata, dark purple, striped with white	10
coccinea, scarlet self; splendid	10
carminea albo-oculata, rose-carmine, with white eye	10
quadricolor rosea, rose petals, separately shaded	10
Choice mixed	10

PHLOX DRUMMONDII NANA COMPACTA.

The new dwarf annual Phloxes are very desirable for edgings and ribbon beds, and useful for pot culture. They grow six to eight inches in height, forming dense masses of bloom all summer. Of the many varieties introduced during the past ten or twelve years, the following are the best:

Phlox Drummondii nana compacta atrosanguinea striata, crimson, striped with white	15
carminea, carmine, dark eye	15
carminea albo-oculata, carmine-rose, white eye; very fine	15
Chamois Rose, fine shade of rose	15
cinnabarina, cinnabar-red, with small white eye	15
Fireball, bright scarlet	15
Hortensiaeflora, deep rose, crimson eye	15
Snowball, pure white	15
variabilis, varying from violet to lilac	15
Best varieties mixed	15

One packet each of the above nine varieties for \$1.00, or any six of them for 75 cents.

Phlox Drummondii fimbriata and cuspidata. New. (For description, SEE COLORED PAGES.)

PETUNIA.

Petunia seed sown in the spring will produce flowering plants in June. Set the plants about 18 inches apart. They come pretty true from seed, but are not reliable in this respect, being inclined to sport. They do well sown in a cold-frame, hot-bed, or in the open ground. Few plants will make a more showy bed than the Petunias, giving flowers from early summer until after frost. The seeds of the Double Petunia do not possess as much vitality as those of the single, and a good deal of care must be used to get them to germinate, nor will they all come double. There are two distinct kinds of single Petunias; the Grandiflora sorts with large flowers; and the small-flowered section, which gives abundance of bloom. These are sold as Blotched and Striped, Fine Mixed, and Countess of Ellesmere, and make wonderfully pretty beds, few things better. The latter flowers are pink, and come always true from seed. For showy beds therefore, the small-flowered kinds are best, but for little groups of plants, or single plants, the Grandifloras are admirable, the flowers often being four inches in diameter.

LARGE FLOWERED.

<i>Petunia hybrida grandiflora kermesina</i>	25
<i>grandiflora maculata</i> , splendid spotted.....	25
<i>grandiflora venosa</i> , variety of colors, beautifully veined.....	25



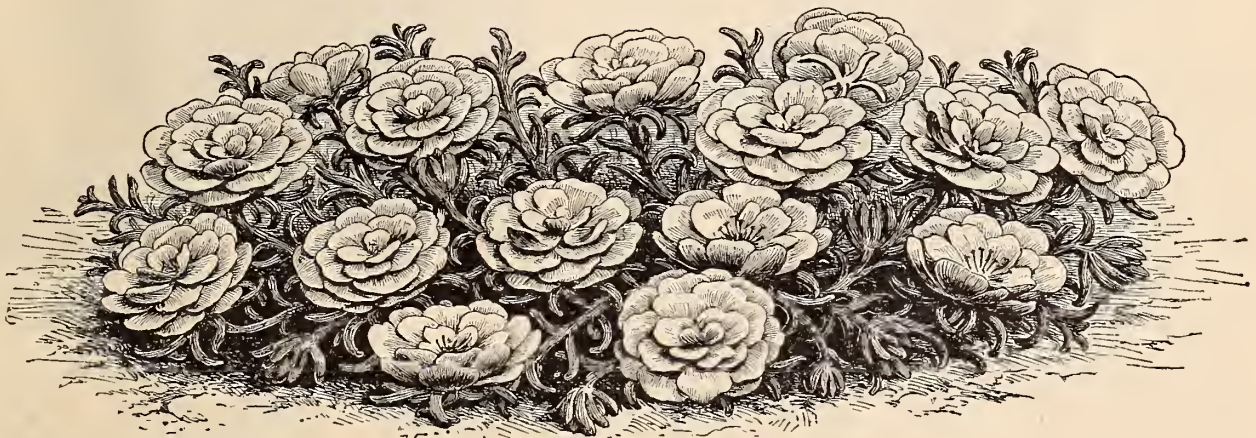
PETUNIA.

<i>Petunia grandiflora rosea</i> , splendid large flowers, bright rose, white throat.....	25
<i>grandiflora marginata</i> , large flowers, bordered and veined with green.....	25
<i>grandiflora violacea</i> , one of the noblest of the large-flowered Petunias, and of a rich violet.....	25
<i>grandiflora superbissima</i> , magnificent flowers, of extra large size, the very deep throat beautifully veined to the base.....	25
<i>grandiflora</i> , choice mixed, from show flowers.....	25
Choicest Double. These seed we offer is the best to be obtained. The double Petunia bears no seed, and but little pollen. Packet of 50 seeds....	25
Vick's New Fringed , a strain with fringed and frilled edges, very distinct and beautiful, and coming true from seed.....	25

SMALL FLOWERED.

SUITABLE FOR BEDDING.

New Dwarf Inimitable , a really dwarf variety, forming a compact little plant five to eight inches in height by as much in diameter, covered with regularly striped flowers. Admirably adapted for massing, as well as for pot-culture.....	25
Countess of Ellesmere , dark rose, with fine white throat.....	10
Blotched and Striped	10
Fine Mixed	10

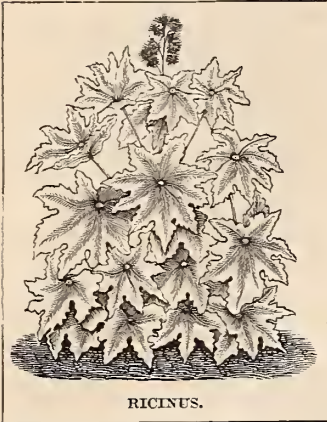


PORTULACA.

The Portulaca is a popular, hardy, creeping annual, each strong plant covering a space about two feet in diameter, with flowers of almost every color imaginable. It delights in a warm sun and sandy soil, and the drouth is never too long nor the heat too intense for this beautiful little salamander. When everything else is perishing for lack of moisture, the Portulaca will give its largest flowers and brightest colors. The Portulaca does not like a clay soil nor black muck. It makes a brilliant bed on the lawn. Sow seed in the open ground early or under glass. The plants can be transplanted when in full flower, and in making a ribbon bed with Portulaca, we always wait until the first flower opens, so as to be entirely sure of the colors. The perfectly double Portulaca forms no seed, so that seed must be saved from semi-double flowers, and from fifty to seventy-five per cent. of plants from this seed will usually give double flowers.

<i>Portulaca alba</i> , pure white.....	5
<i>alba striata</i> , white, striped with rose.....	5
<i>caryophylloides</i> , rose, striped with carmine.....	5
New Rose , fine rose color.....	5
Theilussonii , fine crimson.....	5
splendens , rosy purple.....	5
<i>aurea</i> , straw color.....	5
<i>aurea vera</i> , deep, golden yellow.....	5
<i>aurea striata</i> , sulphur yellow, striped with gold.....	5
Fine Mixed	5
Double Rose-flowered , a perfect double variety, as much so as the most perfect Rose, and of many brilliant colors, as well as striped. First quality, mixed colors.....	20
Double Rose-flowered , seven different colors—crimson, rosy purple, rose, white, rose striped with carmine, orange, yellow—each color.....	20

RICINUS.



RICINUS.

The Ricinus has very ornamental foliage and showy fruit. Plant seed in open ground, in a dry situation, as early as safe in the spring. Fine for center of beds.

- Ricinus macrocarpus**, whitish, beautiful; 8 feet 10
- purpureus**, purple, magnificent; 6 feet 10
- Borboniensis**, beautiful, large leaves; 10 feet 10
- sanguineus**, blood red stalks, scarlet fruit, one of the best; 5 feet 10
- Duchess of Edinburgh**, dark purple stem and leaves; very fine..... 10
- Africanus hybridus**, fine, stalk and fruit rose; 6 feet 10
- giganteus**, large, fine and showy; 6 feet 10
- Philippinensis**, very large leaves; 6 to 10 feet 10
- Guyanensis nanus**, dwarf, only 2 to 3 feet high; fruit rose-colored; fine for outside of groups 10
- communis (Palma Christi)**, common Castor Oil Bean; per lb., 40 cents; per oz., 10 cents 5
- Mixed varieties** 10

SALPIGLOSSIS.



SALPIGLOSSIS.

Salpiglossis is a splendid half-hardy annual, with flowers of a peculiar richness, very delicately and beautifully penciled. About two feet in height. Seeds may be sown under glass, but do well in the open ground, if the soil is light.

- Salpiglossis grandiflora**, mixed colors, from very choice plants 10

SEDUM.

Sedum cœruleum is one of the Stonecrops, and an annual, good for rock-work and masses.

- Sedum cœruleum**, blue; 3 to 4 inches in height..... 10

SPRAGUÆA.

Spraguetæa umbellata flowers in dense umbels, on leafless stems, six inches or more in length; blossoms are pink, and nearly everlasting. Sow seed under glass or in a sheltered place.

- Spraguetæa umbellata** 15

SALVIA.



SALVIA.

Salvia, called Flowering Sage, grows freely in any light, rich soil; from eighteen inches to two feet in height. Plants should get a good start in the hot-bed, and not be planted out before the weather is warm. Thrifty plants may be potted in the fall for winter blooming.

- Salvia splendens**, true; large scarlet. 10
- Rœmeriana**, scarlet..... 10
- bicolor**, blue and white 10
- patens**, flowers of a delightful blue.... 25

SENSITIVE PLANT.

The Sensitive Plant is really a pretty plant, and affords a good deal of amusement, not only to children, but to those of larger growth. Seed should be started under glass, and not transplanted to the open ground



SENSITIVE PLANT.

until the weather is warm. A plant or two reserved for the house will afford a good deal of pleasure for the winter. Start a young plant in a pot, and plunge the pot in the earth to the rim, removing it to the house in autumn.

- Mimosa pudica**, a tender, sensitive annual 5

SCABIOSA.

The tall Scabiosas grow two and a half feet in height, the flowers being on very wiry stems. The dwarf sorts are about eighteen inches in height. Sow in the garden or under glass. Plants, if thrifty in the autumn, not weakened by over-flowering, often flower the second season.

- Scabiosa**, all colors mixed 5
- Double Tall**, new 5
- Double Dwarf**, very pretty compact plant..... 5
- stellata**, starry seed vessels; excellent for winter bouquets..... 5



SCABIOSA.

STOCK, TEN WEEKS.

The Ten Weeks or Annual Stock presents nearly or quite all the requisites of a very perfect flowering plant—good habit, fine foliage, beautiful flowers of almost every desirable tint. Seeds of the Stock may be sown in the open ground, or in the hot-bed or cold frame; but if transplanted let this be done when the plants are small, just out of the seed leaf, or the plants become slender and never make good plants nor flower well. A little shade from the hottest sun, and water in the evening will add much to the size, beauty and durability of the flowers. Set a foot apart. Make the soil deep and rich. Some of the varieties are desirable for winter flowers, and are used for this purpose by florists. Indeed, any of them will do well in a house that is tolerably cool and moist. If

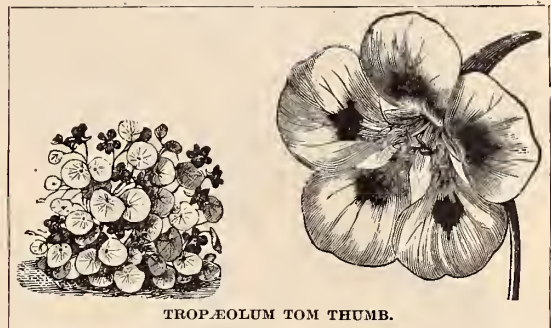


the plants that are not too far advanced are taken up carefully in the autumn and potted, they will flower elegantly in the house in winter. It is a good plan to sow seeds late in the season for this purpose. Although not a constant bloomer, like Phlox, Petunia, etc., the flowers endure for a long time, and the side shoots give a succession of flowers, under favorable circumstances, for months; indeed, the growth and flowering seem almost perpetual where the plant can obtain a needed supply of moisture.

- Stock, Largest-flowering Dwarf**, a plant of dwarf habit, with magnificent large spikes of very large double flowers; all colors mixed 10
- Largest-flowering Dwarf**, white, flesh-color, rose, carmine, crimson, blood-red, blue, lilac, violet, purple, brown, brick red, aurora color, chamois, canary yellow, ash, etc., each color 15

- Stock, Large-flowering Pyramidal Dwarf**, a plant of pyramidal habit, with long spikes of large flowers, many choice colors, mixed 25
- Large-flowering Pyramidal, Celestial Blue**, excellent color 25
- Forcing Ten-Weeks "Snow Flake."** This new variety of Dwarf Wallflower-leaved Large-flowering Stock is the earliest of Dwarf Stocks, and one of the earliest of all Ten-weeks Stocks, and is admirably adapted for forcing; the snow-white flowers are uncommonly large, and very double. Seed produces about sixty per cent. of double-flowering plants 25
- Large-flowering Wall-flower-leaved**, smooth, dark, shining leaves, like the Wallflower; dwarf habit. Set only six inches apart. Mixed colors 15
- Wallflower-leaved, White**, is a beautiful variety, the flowers being the clearest possible white, and contrasting grandly with the dark green, glossy foliage. Is grown largely by florists for cut flowers 15
- Wallflower-leaved, Blood Red**. This is the deepest red of all the Stocks, and is a very choice variety, prized by florists for cutting. The Wallflower-leaved Stocks are all of a dwarf, compact habit 15
- Early Autumn Flowering**, commences flowering in the autumn, and if removed to the house will bloom during the winter; mixed colors 25

TROPÆOLUM TOM THUMB.



Tropæolums, known as Nasturtiums, are a very splendid class of half-hardy annuals. The flowers, which are of all the different shades of yellow, orange and red, have of late years been much improved, the blossoms being larger and more brilliant than the old-fashioned sorts. The varieties of T. Majus and T. Lobbianum (hybridum) will be found described under the head of "Climbers." They are very desirable, and much cultivated in the greenhouse; but when allowed to run on the ground and pegged down, they make a brilliant bed. In England they are almost entirely used for making dense masses of color. Some beds of the scarlet varieties that we saw there were unsurpassed in brilliancy. The Tom Thumb varieties are an especially desirable class. The blooms last a long time, and we cannot recall a class of flowers so useful as they. The habit of the plant is perfect, and in the hottest weather they seem to thrive and bloom luxuriantly. When planted in poor soil they flower profusely. No garden is complete without a few of these favorites. Set plants about one foot apart.

- Tropæolum Tom Thumb Beauty**, orange and vermillion 5
- Carter's Tom Thumb**, scarlet 5
- Crystal Palace Gem**, sulphur, spotted with maroon 5
- Dark Crimson**, 5
- Empress of India**, a splendid new, dark-leaved variety, with crimson flowers 10
- King of Tom Thumbs**, foliage dark bluish green; flowers brilliant scarlet 10
- King Theodore**, flowers very dark 10
- Lady Bird**, golden yellow, flamed with crimson 10
- Pearl**, light cream color 5
- Rose**, new color in Nasturtiums 5
- Ruby King**, foliage very dark 10
- Spotted**, yellow, spotted with crimson 5
- Yellow**, 5
- Mixed Varieties**, 5

VERBENA.

Sow Verbena seed under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual, plants that will perfectly cover a space four feet in diameter, flower well in July, and con-



VERBENA.

tinue strong and healthy until destroyed by frost. Very few annuals will make the gorgeous display during the summer months, or furnish more flowers for cutting, than the Verbena. Another strange fact, not generally known, is that nearly all Verbenas raised from seed are fragrant, the light colored varieties particularly so.

Leading florists, who have visited our grounds, admit that we have the finest collection of Verbenas they have ever seen, either in America or Europe.

Verbena hybrida , choice seed, saved only from the most beautiful named flowers	20
Striped , excellent flowers, with broad Carnation-like stripes. Inclined to sport	20
Scarlet , brightest scarlet, quite true	20
Pure White , quite true from seed	20

VINCA.

A genus of beautiful greenhouse perennials; may be treated as tender annuals for the garden. If sown under glass, and strong plants are set out early, in a warm situation, they will flower in the summer and autumn, and may be potted for the house before frost. Not suitable for our-door sowing in northern latitudes. Plants about 18 inches high.

Vinca rosea , rose	10
rosea alba , white, red eye	10
rosea nova spec. , pure white	10
Mixed varieties	10

WHITLAVIA.

The Whitlavia is a pretty annual, with delicate foliage and drooping clusters of blue and white bells. Plants are perfectly hardy. For a shady spot there are few flowers that give more pleasure. The flowering branches, if cut while the flower buds are about opening, will continue fresh in water for several days, every bud opening, and are elegant for a small, slender vase.

Whitlavia grandiflora , hardy annual, ten inches high, violet blue, bell-shaped flowers	5
grandiflora alba , similar to above, but white	5
gloxinoides , same habit as <i>W. grandiflora</i> ; tube of the corolla pure white, limb delicate light blue	5
Mixed varieties	5

ZINNIA.

The Zinnia is a large, free-growing flower, so easily grown and so handsome that it will always be popular. It is in flower all summer. The Double Zinnias usually grow about two feet in height, giving flowers quite as double as the Dahlia. The Zinnia makes an excellent border or summer hedge plant, and for this purpose set plants twelve to fifteen inches apart, so as to make a continuous row or border. The seeds grow



ZINNIA.

easily, and young plants can be moved as safely as Cabbage plants. Zinnias must be familiar to all our aged readers, for, as far back as we can recollect, the old single variety was grown under the name of Youth and Old Age. Having taken particular pains in improving the Zinnia, we think our strain is excellent; indeed, our Zinnias have been pronounced by florists from England, France, and Germany, the best in the world.

Zinnia, Double, Choicest , best colors mixed	10
Eight separate colors—scarlet, yellow, orange, purple, salmon, pure white, etc.,—each color	10
Tom Thumb , varies from 4 to 12 inches in height and from 6 to 14 inches in diameter. Forming compact, free-flowering, pigmy bushes, suited for edgings, small beds and groups	15
Double Lilliput . In this new class we have the greatest contrast imaginable to the well known large-flowered strain. The plants are dwarf, and the small perfectly-formed flowers are pom-pom shaped and cover the plants profusely during the whole summer	15

CLIMBERS.

THE CLIMBERS furnish us with nature's drapery, and nothing produced by art can equal their elegant grace. As the Lilies surpass in beauty all that wealth or power can procure, or man produce, so these tender Climbers surpass all the productions of the decorator's skill. They are entirely under the control of the skillful gardener and

tasteful amateur, and under their guiding hands make the unsightly building or stump bloom with beauty. The strong-growing varieties can be made in a short time to cover fences, arbors and buildings, and give both grace and shade. Those of more delicate growth are invaluable for pots or baskets.

CONVOLVULUS MAJOR.



CONVOLVULUS MAJOR.

Convolvulus major, the old Morning Glory, is the best known and most popular annual climber we possess. The seeds germinate so readily that they can be grown in the garden in any corner where the plants are needed, and almost at any time. The growth is so rapid that they cover an arbor or trellis in a very short time, though it is important that support should be supplied as soon as the young plants show a disposition to run, for if this is neglected too long they will not readily attach themselves. As most of our readers know, the flowers open very early in the morning, and close when the sun

becomes warm. The Convolvulus propagates itself readily from self-sown seeds, giving plenty of young plants the following spring, which may be easily transplanted.

- Convolvulus major, white, white and violet striped, white striped with blue, light blue, dark blue, carmine, rose, and lilac, each color..... 5
- Michauxii, fine striped..... 5
- incarnata, bright red..... 5
- strosanguinea, dark red..... 5
- tricolor, three-colored..... 5
- All the above mixed..... 5

COBŒA.

The Cobœa scandens is one of the most beautiful of our climbing annuals, on account of its large size, rapid growth, fine foliage, and large, bell-shaped flowers, almost an inch and a half across, and two inches in length. Strong plants set out early in the spring, and in good soil, often grow twenty or thirty feet long, branching freely, and covering a large surface. Plants commence to flower when quite young, and continue in bloom until removed or killed by the frost. Flowers are at first green, changing to a deep violet-blue. Put the seeds in moist earth, edge down, and do not water until the young plant appears, unless in a warm place and the earth is very dry. Plants can be potted and removed to the house for winter blooming. Cobœas set in a row, two feet apart, supported by brush six feet high, make an elegant screen. Care is necessary in planting seed, as it is liable to rot in the ground if too moist.



COBŒA.

- Cobœa scandens..... 10

THE GOURD FAMILY.

The Gourds are a numerous family, and exceedingly dissimilar in character. Indeed, many members are not generally known as Gourds, so we give first a list of what we may call the Gourd proper, and then describe other members of the tribe. The Gourds are a vigorous class of plants, admired principally on account of their curiously-formed and often strangely-colored fruits; the foliage is abundant, and often very curious. Useful for covering old trees, arbors, fences, etc. The culture is the same as required for Squashes, Melons, etc. A collection of the leading sorts is very interesting. The following are some of the most valuable of the family:



- Gourd, Hercules' Club, large, long, club-shaped..... 5
- Smallest Lemon, yellow..... 5
- Pear-formed, yellow and green, cream striped..... 5
- Gooseberry, small, bright green..... 5
- Striped Apple, small, yellow, beautifully striped..... 5
- Egg-formed, the true Nest Egg Gourd..... 5
- Orange, the well-known Mock Orange..... 5
- Calabash, the old fashioned Dipper Gourd..... 5
- Sugar Trough, or Sap-bucket..... 5

The following are handsome plants, mostly with delicately-cut foliage, white, fringe-like flowers, and pretty, small fruits, some of them highly colored.

- Gourd, Abobra viridiflora, a beautiful climber, with delicate foliage, and oval, scarlet fruit..... 5
- Bryonopsis laciniosa, foliage elegant; fruit scarlet, striped with white..... 5
- Luffa Ægyptica (Dish-rag, or Sponge Gourd), when ripe, the inside resembles fibrous cloth, and is used for scouring..... 5
- Momordica Balsamina (Balsam Apple), orange and red..... 5
- Momordica charantia (Balsam Pear),..... 5
- Tricosanthes Colubrina, true Serpent Gourd..... 5
- Cucumis odoratissimus, fruit orange yellow, sometimes spotted with red, varying from the size of a plum to that of an orange; very fragrant..... 5
- Coccinea Indica, a handsome climber, with glossy foliage and scarlet fruit..... 5

DOLICHOS.

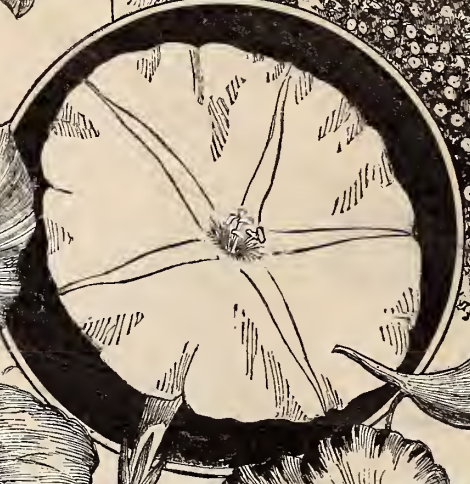
Plant Dolichos seed in the garden where the plants are desired, and in as warm and dry a spot as possible. From six to twenty feet in height.

- Dolichos Lablab (Hyacinth Bean), a fine climber, with purple and lilac flowers..... 5
- albus, white flowered..... 5
- spec. giganteus, large, free-grower..... 10

Morning Glory.



Moon Flower.



Sweet Peas.

ZWALTON



Nasturtium.

HUMULUS JAPONICUS.

This new Japanese variety of Hop is a splendid annual climber for rapidly covering arbors, walls, trellises, etc. The foliage resembles that of the common Hop, but is more dense. Seed sown in the open ground in spring will produce plants of a very large size in a short time. Withstands heat, drought and insects, and remains fresh until late in the fall.

Humulus Japonicus, 10

MAURANDYA.



MAURANDYA.

Maurandya plants should be grown in the hot-bed or greenhouse. Growth of plant, five or six feet, and the foliage abundant. The flowers of the Maurandya are of good size and form and color, being about the size and appearance of Digitalis, and the colors different shades of blue, white and mauve. Good for baskets, vases, or for verandas.

Maurandya Barclayana, blue 10
purpurea grandiflora, purple 10
White, 10
Finest Mixed, 10

PEAS, FLOWERING.



SWEET PEAS.

Flowering Peas are among the most useful and beautiful of all our hardy annuals. Nothing can be better for large bouquets, as the flowers are lively and delicate, varying in color from the darkest purple imaginable, and including the brightest pinks; as fragrant as Mignonette. The Pea luxuriates in a cool, moist soil, and in a damp season.

Peas should be sown four inches deep, and as early in the spring as possible. Don't wait for fair weather. Use plenty of seed, so that they will not be

more than an inch apart. Hoe the earth toward the plant a little, but do not form a ridge, and furnish support early. The Flowering Sweet Peas are the sweetest of our climbing annuals, and as beautiful as any.

Peas, Sweet, Adonis, new; carmine-rose; per lb., \$1.25; per oz., 15 cents 10
Black, very dark, brownish-purple; per lb., \$1.00; per oz., 10 cts. 5
Black, with **Light Blue**, brownish purple and light blue; per lb., \$1.00; per oz., 10 cents 5

Peas, Blue Edged, white and pink, edged with blue; per lb., \$1.00; per oz., 10 cents 5
Butterfly, white, laced with lavender-blue; per lb., \$1.00; per oz., 10 cents 5
Crown Princess of Prussia, bright blush; per lb., \$1.00; per oz., 10 cents 5
Invincible Striped, per lb., \$1.00; per oz., 10 cents 5
Painted Lady, rose and white; per lb., \$1.00; per oz., 10 cents 5
Princess Beatrice, new; beautiful rose; large flowers; per lb., \$2.00; per oz., 20 cents 10
Purple Striped, per lb., \$1.00; per oz., 10 cents 5
Scarlet, per lb., \$1.00; per oz., 10 cents 5
Scarlet Invincible, a beautiful deep scarlet variety; per lb., \$1.00; per oz., 10 cents 5
Scarlet, Striped with White, per lb., \$1.00; per oz., 10 cts. 5
White, per lb., \$1.00; per oz., 10 cents 5
All colors mixed, per lb., 75 cents; per oz., 10 cents 5
FOR NEW VARIETIES, SEE COLORED PAGES.

The two varieties below are not Climbers, but Creepers, and nice for baskets, nor are they fragrant.

Peas, Scarlet Winged, beautiful, small flowers 5
Yellow Winged, same habit as Scarlet Winged 5

IPOMOEA.

Ipomoeas succeed best if started in the hot-bed. Desirable for pots, baskets, etc., for the house, also for greenhouse decoration they are very good.

Ipomoea Bona Nox (Good Night, or Evening Glory, Moon Flower). Cut seed on sharp end, as shown in engraving; soak one night in lukewarm water, and plant next day. Flowers, large, white 10



IPOMOEA.

coccinea, sometimes called Star 10
Ipomoea, with small scarlet flowers 5
grandiflora superba, fine, large flowers, sky-blue, with broad border of white 5
limbata elegantissima, large, blossoms rich, mazarine blue, with a showy white margin 5
Quamoclit (Cypress Vine), tender, flowers elegant; foliage beautiful; mixed colors 5
Quamoclit, Scarlet, and White, each color 5

THUNBERGIA.



THUNBERGIA.

Thunbergia starts rather slowly at first. Seed requires hot-bed treatment, but plants are grown easily from cuttings. Flowers white or orange; fine for baskets. All the varieties, except unicolor, have a dark, purplish eye, almost black. For house culture, baskets and vases, there are few plants superior to the Thunbergia. They may be used very effectively in beds, pegged down.

Thunbergia, Bakeri, pure white; very fine 10
Thunbergia alata, yellow or buff, with dark eye 10
alata unicolor, yellow 10
aurantiaca, bright orange, with dark eye 10
aurantiaca unicolor, bright orange 10
Above mixed 10

TROPÆOLUM.



TROPÆOLUM.

The Tropæolum majus, or Nasturtiums, are among our very cleanest and prettiest and best Climbers. They require but little care, for seed sown in the spring of the year in any fair garden soil will produce plants ten or twelve feet in height before autumn. They do not require even a rich soil, for a rich soil is apt to be productive of leaves rather than flowers. They bear hot and dry weather very well, and we believe are not troubled by any insect, for the stems and leaves contain a pungent juice they do not like. In some places young

shoots are used as a salad, and the seed pods are considered a very good substitute for Cress. There are several varieties, differing as well in the color of the foliage as in the flowers. The leaves of some are very light

transparent green, while in others they are very dark, almost purplish. The flowers are of almost all shades of yellow, scarlet, striped and spotted. The climbing Tropæolum is an excellent plant for baskets, vases, etc., and can even be used for bedding by pegging down the branches occasionally.

Tropæolum majus atropurpureum , crimson	5
coccineum , scarlet	5
Dunnett's Orange , dark orange	5
Edward Otto , bronze, silky and glittering	5
hemisphæricum , orange; very handsome	5
Schulzii , brilliant scarlet	5
Scheuerianum , straw color, striped with brown	5
Scheuerianum coccineum , scarlet, striped	5
luteum , yellow	5
Common mixed , the green seed-pods used for pickles; per oz., 15 cents	5
peregrinum (Canary Flower) ,	15

Tropæolum Lobbianum is a pretty, but somewhat delicate class, very free bloomers, and desirable for house culture in pots or baskets.

Lobbianum , mixed varieties	10
Caroline Smith , scarlet	15
Giant of Battles , sulphur, spotted with red	15
King of the Blacks , dark brown	15
Lilli Smith , orange scarlet	15
Napoleon III. , golden yellow, spotted with brown	15
Queen Victoria , scarlet	15

EVERLASTINGS.

The Everlasting Flowers are a treasure in the winter, when it is desirable to decorate church, school-room, or home. They retain both form and color for years, and make excellent bouquets, wreaths, and every other desirable winter ornaments. The flowers should generally be picked as soon as they expand, or a little before, and hung up in small

bunches, and so that the stems will dry straight; if too large they will mildew. The Gomphrenas must not be gathered until fully developed. Our little engravings will show the character of most of the varieties. They make cheap and very acceptable holiday presents.

ACROCLINIUM.



ACROCLINIUM.

One of the most beautiful Everlastings; of strong growth, about eighteen inches in height, and bears a great number of pink and daisy-like flowers, with a yellow center. Gather the first day they open, or before fully open, to secure a bright center when dried.

Acroclinium roseum , bright rose color	5
roseum album , pure white ..	5
Both colors mixed	5
roseum fl. pl. , flowers perfectly double, and sometimes larger than those of the single sorts	10
album fl. pl. , new double white variety	10

GOMPHRENA.



GOMPHRENA.

The seed of Gomphrena does not germinate very well in the open ground, and it is best therefore to sow it in a hot-bed, if possible. Set the plants about a foot apart. About eighteen inches in height. If the cottony coating which surrounds it is removed, the seed will be more certain to grow.

Gomphrena globosa alba , pure white	5
globosa rubra , dark purplish crimson	5
globosa striata , pink and white striped	5
globosa carnea , flesh-colored ..	5
aurea superba , orange; large and fine	5
Above mixed	5

AMMOBIUM.

Ammobium is a small but pretty little white flower. The plant grows about eighteen inches in height, is stiff and angular in appearance. One of the hardest Everlastings. Very useful for making up in bouquets, summer or winter.

Ammobium alatum grandiflorum , is twice the size of the old variety, and a purer white	5
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AMMOBIUM.

HELIPTERUM.

The Helipterum grows about a foot in height, branching, bears very many clusters of flowers. Should be taken when the buds are about opening, tied in bunches and hung up in a shady place, and the flowers will open in the drying process, and retain their color and brightness for very many years.

Helipterum Sanfordi , one of the choicest Everlastings, a foot high; flowers small, rich yellow ..	10
corymbiflorum , clusters of white flowers	10



HELICHRYSUM.

Helichrysum flowers are large and full, and of a good variety of colors. Plants generally about two feet in height. Cut just before the flowers fully expand. Plant about a foot apart. Seeds germinate readily, even in the open ground. The colors are white, yellow and red of very many brownish shades. One of the best Everlastings.

- Helichrysum monstrosum**, large, showy flowers; variety of colors; double..... 5
- monstrosum, Double Rose**, fine color..... 5
- monstrosum, Double Red**, very bright..... 5
- monstrosum, Double White**, pure..... 5
- monstrosum, Double Yellow**..... 5
- bracteatum**, bright yellow; eighteen inches..... 5
- minimum**, dwarf; both flowers and buds excellent for wreaths, etc.; various colors..... 5
- nanum atrosanguineum**, crimson; one foot..... 5



HELICHRYSUM.

RHODANTHE.

Some care is necessary in starting seeds of the Rhodanthe, but after good plants are grown we never fail to obtain abundance of flowers. The flowers should be gathered before they fully expand, as if allowed to grow too long, they open too much, and lose their beautiful bell form. One of the prettiest Everlastings.

- Rhodanthe Manglesii**, fine for house culture, delicate for out-door, often, however, makes a most beautiful display in the garden..... 10
- maculata**, more hardy and robust than R. Manglesii; rosy purple..... 10
- maculata alba**, pure white, yellow disc..... 10
- astrosanguinea**, flowers dark purple and violet..... 25



RHODANTHE.

WAITZIA.

The Waitzias are an interesting class of annuals, bearing their dry or everlasting flowers in clusters. The flowers are very good, though showing too much of the center, which becomes discolored unless picked early. With this precaution they make a desirable addition to our stock of Everlastings. All the varieties have yellow flowers. The seeds are very fine and should be sown under glass, or much success is not to be anticipated, though they come up well in a light soil.

- Waitzia aurea**, fine yellow..... 15
- grandiflora**, flowers large, golden yellow..... 15

XERANTHEMUM.

Xeranthemums are free blooming annuals of a very neat, compact habit, and growing less than a foot in height. The leaves are silvery and flowers abundant, on strong stems, and are purple, rose, and white. Seeds germinate freely; plants transplant well when young, and should be set about ten inches apart.



XERANTHEMUM.

- Xeranthemum, Large Purple-flowered**, the largest-flowered, very double and fine..... 10
- plenissimum roseum**, fine rose-colored, very double; new..... 10
- superbissimum flore-pleno**, purple; very fine pompon-flowered, new..... 10
- superbissimum flore albo pleno**, white, pompon-flowered; a fine new variety..... 10
- Double White**, very fine..... 10
- Mixed colors**..... 10

ORNAMENTAL GRASSES.

Those who grow Everlastings for winter decoration will need a few of the Grasses to work up with them. They give an airy grace to bouquets of these flowers, and make also fine winter ornaments when used alone. They should be gathered when about coming into flower, and dried in the shade.

- Agrostis nebulosa**, the most elegant of Ornamental Grasses; fine and feathery; delicate..... 10
- Arundo Donax variegatis aureus**, perennial; strong stem, with golden-yellow striped leaves; 6 feet high..... 10
- Avena sterilis (Animated Oat)**, thirty inches high..... 5
- Briza maxima**, an elegant Shaking Grass, one of the best of the Ornamental Grasses, perfectly hardy; sow in the open ground any time in the spring; one foot..... 5
- Briza geniculata**, small, flowers freely, and is always desirable; 8 inches..... 5
- Brizopyrum siculum**, dwarf, with shining green leaves; very pretty; 8 inches..... 5

- Bromus brizæformis**, a very fine Grass with elegant hanging ears, well adapted for bouquets, either in summer or winter; flowers second summer; something like Briza maxima; 1 foot..... 5
- Chrysurus cynosuroides (Lamarckia aurea)**, dwarf; yellowish, feathery spikes..... 5
- Coix Lachryma (Job's Tears)**, grows about 2 feet, broad, Corn-like leaves..... 5
- Erianthus Ravennæ**, as fine as Pampas Grass, which it resembles, and very much superior for a northern climate, being quite hardy. Plants, 25 cents each; seeds..... 10
- Gynerium argenteum (Pampas Grass)**, a noble Grass, flowers second season, not hardy here..... 10
- Hordeum jubatum (Squirrel-Tail Grass)**, fine..... 5
- Lagurus ovatus**, dwarf; showy heads; called Hare's-Tail Grass; 1 foot; sow early..... 5
- Pennisetum longistylum**, a very graceful Grass, growing 18 inches..... 5
- Stipa pennata (Feather Grass)**, magnificent Grass, flowering the second season..... 15
- Trycholæna rosea**, a very beautiful rose-tinted, Grass; 2 feet..... 5

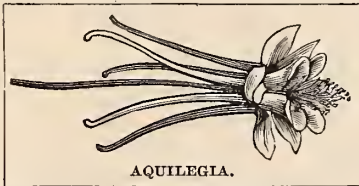
PERENNIALS.

IN this section will be found those Biennials and Perennials that do not flower until the second season, and, as will be seen, contains some of our oldest and best flowers. The first summer the plants merely grow and gather a store of strength for next summer's flowering, and a stock of material for next season's flowers. The seed may be sown in early spring with the annuals, or later in the summer; but if sown late, give the seed-bed a cool, damp place, or keep the ground shaded

and quite moist by artificial shading and watering, until the plants appear, or very likely the seeds will not germinate. This class of flowers do not usually keep in bloom a long time, and therefore are not suited for the lawn, where a continuous show of flowers or pretty foliage is absolutely necessary. To many, however, the border of Perennials is the most interesting part of the garden.

AQUILEGIA.

The Aquilegia is the old and well known Columbine, of almost every conceivable color, and of singular form. Like a good many of our



AQUILEGIA.

perennials, this flowers early in the spring. Seeds may be sown in the open ground. Plants can be increased by a division of the roots. It grows wild in most every temperate country in the world, and is called by children the Wild Honeysuckle.

- Aquilegia, Carnation, or Striped,** white, with broad red stripes; double... 10
- leptoceras chrysantha,** the beautiful large-flowered, Canary yellow variety, obtained first from Arizona. An excellent sort..... 5
- Skinneri,** very beautiful; colors scarlet and yellow..... 10
- cœrulea,** flowers very large; sky blue and white..... 10
- glandulosa vera,** very fine, large dark purple..... 25
- Mixed varieties**..... 5

ALYSSUM.

A free-growing perennial, of compact habit, and small golden-yellow flowers. Plant about ten inches high. Well adapted for rock-work, and forms an excellent mass for a bed. Seeds grow readily. Plants increased by layering. The popular name is Gold Dust.

- Alyssum saxatile compactum**... 5

ASPERULA.

Commonly known as Woodruff, found in open, dry woods in many parts of Great Britain, and is much prized and cultivated almost everywhere. Less than a foot high, the flowers white and fragrant, and when cut and dried it emits a flavor like bitter almonds or Heliotrope.

- Asperula odorata**..... 15

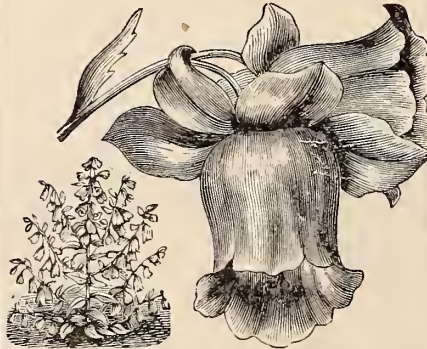
ADLUMIA.



Adlumia cirrhosa, or Alleghany Vine, is a pretty biennial climber, with pale green foliage. Sow seed in the spring, in a damp, cool place. Transplant in the autumn, if possible. The flowers are pink and white.

- Adlumia cirrhosa,** or Alleghany Vine, and sometimes called Wood Fringe..... 10

CAMPANULA.



The biennial Campanula is the well known, popular, large, bell-shaped flower, known everywhere as Canterbury Bell. There are double varieties of every color, but though curious, are not really so beautiful as the old single bell. They lose that light transparent grace that is so attractive in a flower. We never yet saw a bell-shaped flower improved by doubling.

- Campanula carpatica,** blue and white mixed..... 5
- Medium (Canterbury Bell),** flowers large, plant 2 feet in height; single varieties mixed..... 5
- Double varieties mixed**..... 5
- calycanthema,** a new and beautiful variety, shown in the engraving..... 10
- grandiflora,** large, deep blue..... 10
- pyramidalis,** fine large flower, white and blue..... 5

CARNATION.

The most magnificent of all the Dianthus family. Flowers large, beautiful, and delightfully fragrant; a rival of the Rose. Seed may be sown under glass in the spring, or in the open ground, and the second summer they will flower. Some will prove single, and these can



CARNATION.

be pulled up. Young plants are perfectly hardy; but when old, they are injured in the winter. A succession of young plants should be procured, either from seeds or from layers, every year. Layering should be done in mid-summer; this is simply cutting a slit in a young shoot to obstruct the flow of sap. Remove the earth a few inches in depth and press down the branch, so that the slit will open, and then cover with soil. Roots will push out where the cut was made, and thus a new plant will be formed.

- Carnation, German seed from named flowers**..... 25
- Extra Italian Seed saved from prize flowers only**..... 50
- Choicest, with white ground**..... 50
- Choicest, with yellow ground**..... 50

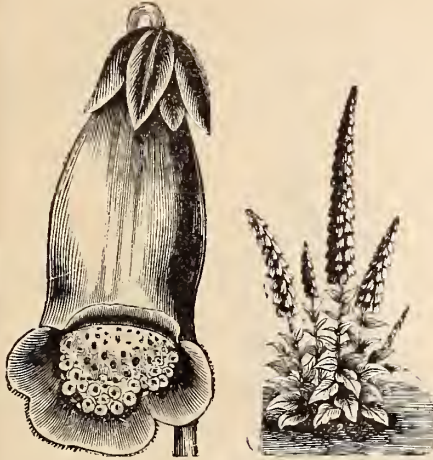
CEDRONELLA.

A fine plant, with fragrant leaves, and long spikes of purplish flowers; a long time in bloom; 2 feet in height.

- Cedronella cana,** purple, fragrant.... 5

DIGITALIS.

The Digitalis is quite a stately plant, when well grown, with flower stems at least three feet in height. The racemes of flowers, as shown in the engraving, are often two feet in length, containing scores of the prettily spotted, thimble-shaped flowers. Perfectly hardy,



and seed may be sown in the spring in the garden, and transplanted as desired. In the autumn large plants can be divided, and thus plants may be increased indefinitely, but it is well to secure a few fresh plants from seed occasionally, as in this way new varieties are obtained.

- Digitalis purpurea*, purple flowers, 3 feet..... 5
- purpurea alba*, white..... 5
- gloxinæflora*, new; beautifully spotted; 4 feet..... 5
- Mixed varieties, 5

DELPHINIUM.

The perennial Delphiniums, commonly known as Larkspurs, are valuable plants, the foliage clean and pretty, habit strong and good, the flowering branches often four feet in height,



the spikes of flowers six inches or more in length. Sow seed in the spring, and strong plants will be produced by autumn that will flower the next spring.

- Delphinium formosum*, brilliant blue; white eye..... 10
- formosum cœlestinum*, celestial blue; flowers large, spikes long..... 10

- Delphinium nudicaule*, a beautiful, bright scarlet variety; native of Californian mountains; new..... 10
- Chinese, fine; blue, white and pink, mixed..... 5
- New varieties mixed, 5

HOLLYHOCK.

A good, double, clear white Hollyhock is a very good substitute for a Camellia or a white Rose, as a center of a bouquet. We do not now think of one as good, except the double white Balsam. In situations suitable for tall flowers, we know of nothing better than the Hollyhock; and yet the improved varieties do not grow very high, from four to five feet being about the average. The Hollyhock is biennial. New plants are obtained from seed and by dividing the roots. Seeds sown in the summer will give plants that will endure winter. The Hollyhock will last a great while, for several years, if not allowed to flower too freely. Plants are, however, so easily grown from seed that little trouble is usually taken to preserve old plants. The plants may be protected during winter with a little straw and evergreen boughs, or leaves.



- Hollyhock, Double*, very double and fine, from the best named collection in Europe..... 10

LINUM.

Every one is acquainted with our common Flax, which is a Linum. There are several varieties of ornamental Flax well worthy of culture, however, which few people know. The plants are very graceful, the foliage and stems delicate, and the flowers seem floating in the air. Seeds may be sown either under glass or in the garden.

- Linum Perenne*, blue..... 5
- perenne album*, white..... 5
- perenne roseum*, beautifully rose-colored..... 5
- luteum*, yellow..... 10
- Narbonense*, splendid..... 10
- Mixed varieties..... 5

PINK.

Closely related to the Carnation, but smaller flowers and more hardy. Flowers very beautiful and fragrant. Seed may be sown under glass or in the garden. Plants are hardy until they become old. It is best to keep a few young plants coming on. Treatment same as for Carnation.

- Pink, Pheasant's Eye*, or June Pink, sometimes called Grass Pink..... 5

PEAS, PERENNIAL.



Perennial Peas are perfectly hardy in this climate, die down to the ground every winter and start again in the spring. Grow five or more feet in height.

- Perennial Peas*, all varieties mixed... 10

PAPAVER (POPPY).

All the perennial Poppies are perfectly hardy, and seed may be sown in the open ground. The single, large, perennial Poppies are a great addition to the herbaceous border, and are of great value among shrubbery, as they tend to relieve and lighten up the usual dark and sombre character of clumps of shrubbery.



- Papaver bracteatum*, scarlet; 3 feet..... 5
- orientale*, very large, red; 3 feet..... 5
- involucratum maximum*, fine large flowers..... 10

PENTSTEMON.

The Pentstemon is one of the best of the perennial border plants. The very pretty long-tubed flowers grow in panicles, and are purple, blue, scarlet, rose and white. Seeds may be sown in May, in a cool, shady place, or under glass. Flowers of different varieties present a great difference in appearance, some being very open and others tubular.

- Pentstemon*, mixed varieties..... 10

PRIMULA.

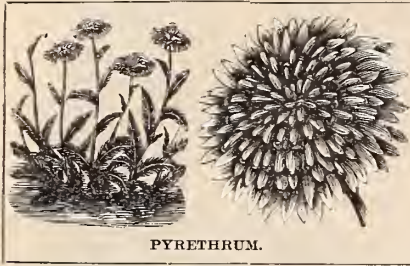
In this country Primulas do well in a cold house, but in the open ground succeed best in a northern border. *P. vulgaris* is the sweet and beautiful English Wild Primrose, so ardently loved by all who spent their childhood days among the green lanes of England, and *P. veris* is the English Cowslip. Seed in our country must be sown under glass.



- Primula auricula*, fine mixed..... 25
- auricula*, from named flowers..... 50
- elatior (Polyanthus)*, fine mixed... 10
- vulgaris*, common Wild English Primrose..... 10

PYRETHRUM.

We have found the Pyrethrum to be entirely hardy in this section. It would be well to sow



PYRETHRUM.

seed under glass, but we have grown it by sowing seed in the open ground. A good double Pyrethrum is as desirable as a good Aster, quite as large and as double.

- Pyrethrum hybridum, double varieties mixed 25
- Parthenium flore-pleno, the double Feverfew 10
- parthenifolium aureum, Golden Feather, prized for its yellow foliage ... 10

WALLFLOWER.

By growing Wallflower plants in the ground and transplanting to pots in the autumn, or better, by placing plants in pots when taken from the seed-bed, and sinking the pots to the rim in earth, good plants will be secured for winter flowering in the house. Give a cool room and plenty of water. Where winters are not very severe the Wallflower must make a most desirable plant, giving plenty of early spring flowers.

- Wallflower, fine mixed colors: double. 20

ROCKET.

The sweet Rocket is a very hardy biennial, bearing clusters of single flowers, and fragrant



ROCKET.

during the evening. The colors are purple and white. The plant with fair culture, will grow eighteen inches in height, and seed will germinate readily in the open ground.

- Rocket, Sweet Purple 5
- Sweet White 5

STOCK.

The Brompton Stock is a biennial. Both the plant and its flowers are larger than the annual, and the spikes longer and bolder. In the milder sections of Europe this flower grows so luxuriantly that it would be difficult to find one more showy, some spikes of blossoms we measured being nearly a foot in length. It is a misfortune for us that the Brompton Stock cannot endure our winters, but plants grown in open ground can be removed to the house in autumn,

where they will flower well if not kept too hot and dry. In spring they can be transferred to the garden.

- Stock, Brompton, best mixed colors 15
- Emperor, hybrid between Brompton and Annual 25
- Tree Giant Cape Winter 25

SWEET WILLIAM.

The best varieties of Sweet William are of exceedingly beautiful colors, very large, and almost perfect in form, with trusses of great size. Treatment as for Carnation. The plants



SWEET WILLIAM.

are perfectly hardy, and may be increased by a division of the roots. There are very good double varieties. It is well to raise new plants every few years from seed, for old plants become debilitated and unsightly. The Sweet William is a very old and once popular flower, and its merits will be again appreciated when people get tired of bedding plants.

- Sweet William, Perfection 5
- Common Double 5
- Dunetti, blood red; velvety texture.. 5

SEEDS OF HARDY CLIMBERS.

These plants are mostly obtained by purchasing roots, and this is the better way when they can be procured. Some, however, cannot get plants and must be content with seeds. Sow very early in spring or autumn in drills, in well prepared beds. Keep the soil mellow.

- Ampelopsis quinquefolia, Virginia Creeper 10
- Ampelopsis Veitchii, good wall plant, clinging to the smoothest surfaces 10
- Bignonia radicans, Trumpet-Vine 10
- Celastrus scandens, Climbing Bitter-Sweet 10
- Clematis flammula, European Sweet, white 10
- Clematis Vitalba, Virgin's Bower, white 10

SEEDS OF BULBS.

There are a few Bulbs which do not come to perfection very rapidly from seed, and therefore amateurs have seldom patience to wait for this slow process, but obtain plants or bulbs that will flower the first season they are put out. A few, however, derive pleasure in watching the development from the tiny seed to the perfect plant. For the benefit of such we always keep a stock of these seeds, a few of which we will mention.

- Dahlia, choicest double varieties mixed 20
- Dahlia, finest single varieties mixed 20
- Gladiolus 20
- Yucca 20

FLOWER SEEDS BY WEIGHT.

	Per oz.		Per oz.		Per oz.
Acroclinium, mixed colors.....	\$0 40	Dolichos Lablab (Hyacinth Bean) ..	\$0 25	Petunia, fine mixed.....	\$2 00
Alyssum, Sweet.....	40	Eschscholtzia, mixed varieties	40	Phlox Drummondii, choicest mixed	80
Benthami compactum (Tom Thumb Sweet Alyssum), best for edgings	80	Four O'Clock, mixed colors.....	20	" grandiflora, choicest mixed	1 50
Antirrhinum (Snapdragon), mixed..	60	Globe Amaranth (Gomphrena), mixed colors.....	40	Poppy, Carnation-flowered, mixed colors	25
Asters, China, mixed colors.....	1 00	Job's Tears.....	15	Portulaca, finest mixed single.....	80
Balsam, common double, mixed colors	70	Larkspur, Double Dwarf Rocket, mixed colors.....	30	Ricinus sanguineus.....	20
Candytuft, best White.....	25	Lupins, mixed varieties.....	20	" mixed varieties.....	30
Purple.....	40	Marigold (Calendula), mixed varieties..	40	Sweet Peas, See page 27.	
Dark Crimson.....	40	Mignonette, Sweet.....	20	Tropaeolum (Nasturtium), Tom Thumb varieties mixed; per lb., \$2.00..	20
Mixed colors.....	25	Crimson Queen.....	50	" Majus, tall varieties mixed; per lb., \$1.50.....	15
Canna, fine mixed.....	50	Golden Queen.....	80	" Lobbianum, mixed varieties	30
Carnation, Early-flowering Vienna, choice mixed.....	2 00	grandiflora ameliorata.....	25	Verbena, mixed, from our own choice collection.....	6 00
Convolvulus major (Morning Glory), mixed.....	15	Giant Pyramidal.....	40	Virginia Stock, mixed colors.....	25
minor, dwarf, mixed colors.....	15	Machet.....	2 00	Double Zinnia, mixed colors.....	80
Cypress Vine, white, scarlet, or mixed	50	New Hybrid Spiral.....	20	Mixed Seeds, for Wild Garden.....	50
Dianthus Chinensis, best double mixed.....	80	Parson's New White.....	50		
		Nemophila, mixed varieties.....	25		
		Pansy, fine mixed.....	2 00		
		extra choice mixed.....	8 00		

FLOWER SEEDS, Continued.

ARGEMONE. Free blooming, hardy annuals, called Prickly Poppy. Plants two feet in height, and make very good low hedges.	
<i>Argemone grandiflora</i> , white petals, yellow stamens; four inches in diameter	5
<i>Mexicana</i> , flowers bright yellow	5
<i>Hunnemanni</i> , carmine and yellow	5
ADONIS VERNALIS. A desirable border plant, with delicate foliage. Perennial. About a foot in height. Flowers yellow	5
BARTONIA. Half-hardy annual. The leaves are somewhat Thistle-like in appearance, gray and downy. It likes considerable moisture. Sow seed where the plant is to flower.	
<i>Bartonia aurea</i> , 18 inches in height	5
<i>aurea nana</i> , a dwarf variety of the above, about nine inches in height	10
BROWALLIA. Free-flowering, half-hardy annual, quite valuable for winter house plants. Seeds grow freely, and plants give abundance of bloom. Plants about eighteen inches in height, and should be set a foot apart.	
<i>Browallia Cerviakowski</i> , blue with white centre	5
<i>elata alba</i> , white	5
<i>elata grandiflora</i> , blue	5
Mixed varieties	5
CREPIS. Yellow, pink and white; are hardy annuals and will give good plants if sown in the open ground in early spring. Plants 1 foot in height. Set 8 or 10 inches apart. Mixed colors	5
CALLIRHOE. Species of Mallow-like plants, with purplish flowers. Seeds will grow freely in the open ground. Thin out plants to a foot apart. Annuals.	
<i>Callirrhoe pedata</i> , crimson with white edge; 2 feet	10
<i>pedata nana</i> , flowers rich velvety crimson with white eye; 1 foot	10
<i>invulcrata</i> , with large purplish crimson flowers; native of the western prairies	10
CRUCIANELLA STYLOSA , is a very pretty, low, spreading, perennial plant, with clusters of small, pink, fragrant flowers. Desirable for edgings, rock work, vases, etc.	5
CLEOME SPECIOSISSIMA is an annual worthy of culture. The flowers are singular, and are sometimes called Spider Flowers. Rosy	5
CHAMÆPEUCE. Singular Thistle-like plant, with variegated leaves, and the sharpest spines imaginable. Perennial, but does not flower until the second year; but this is not of much consequence as its beauty is principally in the plant. Perfectly hardy.	
<i>Chamæpeuce diacantha</i> , hardy; yellow flower	10
<i>Cassabonæ</i> , Fish-bone Thistle	10
CHÆNOSTOMA FASTIGIATA , is a pretty annual, dwarf, compact plant, with white flowers, very good for edging, baskets, or little clumps	5
CATCHFLY, SILENE AMER-IA, (LOBEL'S CATCHFLY.) Small flowers, white, red or rose. Plants a foot or more in height; set six to eight inches apart, so as to form a clump or border. Mixed colors	5
CALANDRINIA. Annuals and do best in a light, sandy soil, but better if sown under glass.	
<i>Calandrinia grandiflora</i> , rose; flower-stalks one to two feet	5
<i>umbellata</i> , rosy purple; perennial, but flowering the first season	10
CARDIOSPERMUM HALICACABUM , or Balloon Vine, is a curious, half-hardy climbing annual. Sow seed under glass, and if planted in the garden, find it a sheltered situation	5
CALAMPÉLIS SCABRA (EC-CREMOCARPUS SCABER) , is a very beautiful climber, foliage very pretty, with bright orange flowers, produced in racemes; blooms profusely the latter part of the season. Sow seed in the hot-bed or greenhouse	5
ERYSIMUM. An annual about eighteen inches high, with clusters of yellow or orange, fragrant flowers. Very desirable for cutting.	
<i>Erysimum Perowskianum</i> , deep orange flowers	5
<i>Arkansanum</i> , sulphur yellow	5
GRAMMANTHES GENTIAN-OIDES. An annual, particularly adapted to rock-work or baskets. Flowers small, star-shaped, reddish orange	10
GEUM ATROSANGUINEUM FL. PL. A showy plant for borders among shrubbery. The double scarlet flowers are beautiful for bouquets; perennial; 18 inches	10
HEDYSARUM. Produce racemes of pea-formed flowers. A desirable perennial. Perfectly hardy. Seed may be sown in the open ground.	
<i>Hedysarum coronarium</i> , scarlet	5
<i>coronarium flore albo</i> , white	5
HONESTY, PURPLE. <i>Lunaria biennis</i> is a perennial that is known as Honesty in all our gardens. It bears racemes of pretty, single, purple flowers. The silvery seed pouches are curious and pretty, and desirable for house ornaments. The plant is hardy; 2 feet high	10
HUNNEMANNIA FUMARIÆ-FOLIA , a beautiful herbaceous perennial, but not hardy at the North. It makes a rapid growth, and arrives at maturity and flowers the first season. The flowers are tulip-formed, bright yellow	10
IPOMOPSIS. Long, elegant spikes of rich orange and scarlet flowers, excellent for conservatory and out-door decoration. Foliage very fine. Plants grow from three to four feet in height and flower a long time. A wet situation is sure to destroy them in winter, causing decay at the surface of the ground. With this exception, there are few plants easier of culture	5
LOASA , is a good climber, with curious yellow and red flowers. The branches are covered with stringing hairs that give pain when touched. Blooms abundantly.	
<i>Loasa tricolor</i> , yellowish, light green leaves	5
<i>lateritia</i> , large, flowers in abundance	10
LINUM GRANDIFLORUM RUBRUM. A fine half-hardy annual, with bright crimson flowers. Neat and slender habit, like all the Flax family, and grows eighteen inches or more in height. Seeds germinate best in hot-bed, but do well if sown in the garden in light soil. Set plants a foot apart	5
MALOPE. A strong-growing plant, two feet in height. If sown under glass, plants will bloom very early; or in the open ground, with a later but quite as strong a growth.	
<i>Malope grandiflora</i> , large, purple flower	5
<i>grandiflora alba</i> , pure white	5
MARTYNIA , are robust, hardy annuals, requiring at least three feet of space to perfect their growth. The seed pods grow six inches or more in length, and are very curiously formed. The colors are yellow, white and purple. Mixed varieties	10
NUCTERINIA. Small, half-hardy annuals, about eight inches in height, with sweet-scented, star-shaped flowers. Good for edgings of small beds or rock-work.	
<i>Nycteria selaginoides</i> , pink, with yellow center	5
<i>Capensis</i> , white, very sweet scented	5
NEMESIA FLORIBUNDA. Pretty, free-blooming, half-hardy annual, about eight inches in height, of compact habit. Looks best in masses. Plant five inches apart. White and yellow	5
SAPONARIAS are low plants. For a small pot or edging they are very desirable.	
<i>Saponaria Calabrica</i> , rich, deep pink	5
<i>alba</i> , white	5
STATICE. Like the Gypsophilas, are of great value for drying, as they retain their color when dried, and work up with Everlastings to advantage.	
<i>Statice Bonduelli</i> , annual; golden yellow flowers	5
<i>incana hybrida nana</i> , perennial; mixed colors	5
<i>sinuata</i> , annual; blue flowers	5
Suworowi , very handsome species, with rose-colored flowers in numerous spikes of about fifteen inches in length. The leaves lie flat upon the ground	15
SCHIZANTHUS may be treated as half-hardy annuals, and do well in the house or open ground. Plants that have flowered in the garden may be removed to the house in autumn. About two feet in height. Best varieties mixed	5
SANVITALIA PROCUMBENS FLORE PLENO A beautiful low plant, producing its bright yellow double flowers in great profusion; fine for pots, baskets, small beds or edgings	10
TORENIA. Beautiful trailing plants for vases, baskets, etc.; they bloom continually during the summer, also in the greenhouse in winter.	
<i>Torenia Fournieri</i> , an elegant plant for moist shady situations; flowers porcelain blue and rich violet; throat bright yellow; 6 inches	15
<i>Bailloni</i> , deep yellow and maroon	15
VIRGINIAN STOCK. Hardy annual; fine for small bed or edgings. May be sown where they are to bloom, or transplanted. Set about four inches apart. Should be grown in masses. About six inches in height.	
<i>Virginian Stock</i> , red, white and rose; each color	5
Mixed colors	5
VALERIANA is a beautiful border plant. Flowers scarlet, white and red. Plant from two to three feet in height. Scarlet, white, red, or mixed, each	5

GREENHOUSE.

MOST persons procure house plants from the greenhouse, and when but one or two of a kind are needed this is a good plan. Some, however, have greenhouses and desire many plants, and others take pride and pleasure in growing from seed—in watching every day's mysterious growth, from the tiny seed-leaf to the fully developed plant, in all its grand display of beauty. To all such we shall be happy to furnish seeds. The seeds of Greenhouse plants are very small and delicate, generally, and require the greatest care to ensure success; and not only care but knowledge, for many are natives of milder climates, and our treatment is, of course, artificial, as we have to endeavor to give them the conditions under which they flourish in their native homes. These conditions are usually warmth and moisture—a humid, warm air as well as soil. The best advice we can give in regard to sowing the fine and delicate seeds is this: Sow the seeds in boxes or large pots. Obtain a mellow soil, such as could be made by rotting turf, and to this add about one-fourth sand, which will make a soil that will not bake. See that it is free from worms and insects of all kinds. Sow the seed directly on the surface, and then dust on top a little fine earth through a sieve.

The work so far is well done. How, now, shall be secured the moisture, and warmth, and air necessary? If you pour on water, even from a fine rose, it is very likely your seeds will be washed down into the light earth and be ruined; so, then, just put on water in spray. As the seeds are so near the surface it will not answer to let the sun shine upon them directly, or it would dry them up in five minutes, so the boxes in which the seeds are sown must be shaded. Now we have only to look at the atmosphere. If the air of the house is dry and dusty, the seeds will have a hard time, and perhaps will be ruined, and when this is the case, cover the boxes or pots with glass, and that will secure a damp atmosphere, caused by the moisture arising from the earth. When the plants are up they must have a little air, and sometimes sunshine, or they will become mouldy and decay near the surface of the ground. So, watch, and if you see signs of drooping, give air immediately. As the seeds are mostly delicate, it is best to make several sowings at different times. We give engravings of a few of the kinds in this Department; others will be found in the Department of Tender Plants.

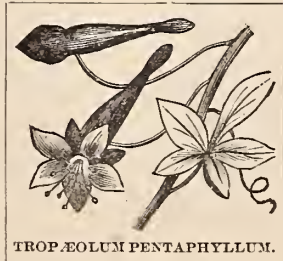


CINERARIA.

- Carnation, Remontant, or Tree Carnation, choicest Italian seed..... 50
- Grenadin, scarlet..... 25
- Grenadin, dark varieties mixed..... 50
- Centaurea gymnocarpa, desirable for its delicately cut and graceful white foliage..... 25



CYCLAMEN PERSICUM.



TROPAEOLUM PENTAPHYLLUM.

- Candidissimi, an effective white-leaved bedding plant..... 25
- Clementei, crested..... 25
- Chrysanthemum Indicum, finest double..... 10
- Pompon, or Dwarf, splendid..... 10
- Cineraria hybrida, of first quality; finest large-flowering prize varieties mixed..... 25
- maritima, white-foliaged plant, similar to the Centaureas..... 10

- Abutilon, finest varieties mixed..... 25
- Begonia, Tuberosous, choicest..... 25
- Boston Smilax, fine climber, furnishing yards of glossy green trimming..... 25
- Calceolaria hybrida tigrina, spotted; seeds saved from the best collection in Europe..... 50
- hybridagrandiflora, very large, superb flowers..... 50
- James' International prize, saved from the choicest varieties only..... 50

- Clianthus Dampieri, splendid shrubby climber, with clusters of brilliant scarlet flowers..... 25
- Coleus, mixed seeds from choicest sorts..... 25
- Cuphea Platycentra, Cigar, or Fire Cracker Plant..... 25
- Cyclamen Persicum..... 25
- giganteum, extra choice strain of this beautiful class; flowers very large; colors rich and varied..... 50
- Fuchsia, choice mixed..... 50
- Geranium, common mixed..... 25
- Apple-scented..... 25
- Choicest fancy varieties, mixed sorts, packet of five seeds..... 50
- Gloxinia hybrida, best quality, choice flowers, from Benary's choice collection..... 50
- Heliotrope, best mixed..... 10
- Hibiscus immutabilis, rosy flowers; 3 feet..... 10
- coccineus, scarlet; 3 feet..... 15
- Humea elegans, a beautiful ornamental biennial, 4 feet high, with graceful dark flowers..... 10



CALCEOLARIA.



CLIANTHUS DAMPIERI.

- Impatiens Sultani, flowers rosy-carmine; almost constantly in bloom; easily grown from seed in the greenhouse..... 25
- Lantana, finest mixed..... 10
- Linaria Cymbalaria (Kennilworth Ivy)..... 25
- Nerium Oleander, common Oleander..... 10
- Oxalis floribunda, a free-flowering Oxalis, and one of the very best of basket or pot plants; white and pink, mixed..... 10
- Passiflora cœrulea, the hardiest Passion Flower..... 15
- Primula Sinensis (Chinese Primrose) fimbriata rubra, red; extra..... 50
- fimbriata 'alba, white; extra..... 50
- fimbriata striata, white, striped with red..... 50
- Fern-leaved, very pretty Fern-like foliage..... 50
- Choicest varieties mixed..... 50
- flore pleno, a large percentage of the flowers perfectly double, and good colors..... 1 00
- flore-albo pleno, double white; package of 20 seeds..... 50
- Solanum ciliatum, very fine; red-fruited, fruit hanging on the plant a long time..... 10
- Tropaeolum pentaphyllum..... 25

BULBS AND PLANTS.

FOR the convenience of customers, and to prevent mistakes by those who have not had much experience in gardening, we have arranged our lists and descriptions of seeds and plants in separate departments, according to their nature. This department is devoted entirely to Bulbs and Plants, and has two divisions. The plants described in the first part are those that will bear a Northern winter without injury, like the Lilies, Pæonies, Hardy Shrubs, etc., and in the other, those that, at the North, must be taken up in the autumn, like the Gladiolus, Dahlia, Geranium, etc. Many things that at the North are tender are quite hardy at the South.

The system of packing adopted is now so complete, that although we send out many packages annually to every State in the Union, it is rare to receive a complaint, while we receive hundreds of letters attesting satisfaction at the light, simple and safe method we practice, and the fine condition in which plants arrive. There is, however, always a little risk in sending plants by mail.

All Plants and Bulbs will be delivered at your Post Office at prices given

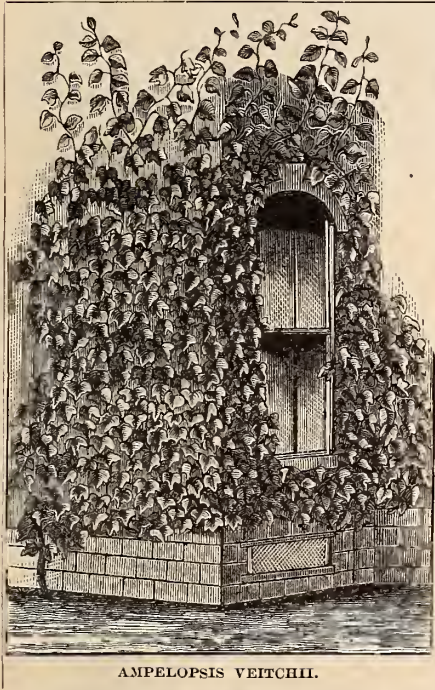
(except as noted), unless specially ordered otherwise, or where in our judgment the Expressage would be too costly, and we earnestly advise our customers to have their plants always sent by Express, except, perhaps, in the far West, or where the Express charges are very high, as our system of light packing makes the charges comparatively low, and they almost invariably arrive in perfect order when thus sent. While we send plants by mail as heretofore, more of them, and often those of a larger size, can be sent by Express for the same amount; for in all orders sent by Express, extra plants are always included that are of more value than the cost of Expressage. As it is much more difficult to pack a single plant, so that it will carry safely, than a larger number, we trust our customers will order accordingly. For economy and safety in packing it is best to order at least a dollar's worth of plants. BULBS, of course, we shall send by mail, as usual. When SEEDS and BULBS or TENDER PLANTS are ordered together, if not safe to send all, on account of cold weather, the SEEDS will be sent at once, and the BULBS and PLANTS as soon as safe.

HARDY PLANTS AND BULBS

Should the weather be unfavorable, or the ground not prepared on their arrival, Hardy Plants, Roots, etc., had better be placed in the cellar, the Lily and Pæony being covered with about two inches of moist

(not wet) soil, while shrubs and grasses, like the Hydrangea, Deutzia, Eulalia, etc., require only their roots covered, with the soil made firm around them.

AMPELOPSIS.



AMPELOPSIS VEITCHII.

There are few plants of more value to the gardener than the Hardy or Perennial Climbers. Once planted they remain, and get larger and better every season.

The general cultivation of the simple Virginia Creeper has done more to beautify American villages and rural homes than any fifty plants in existence. It is the American Ivy, and well performs the work done by the old English Ivy of Europe.

Ampelopsis Veitchii. This variety clings very firmly to the side of a house or wall, and will soon form a most perfect mass of foliage. It may be allowed to climb all over the surface, or it can be confined to the

foundation wall only. It is a most beautiful climber, and has become a great favorite. During the summer the leaves are a beautiful shade of green overlapping each other with wonderful regularity, but it is nearly autumn when this unique plant assumes its greatest beauty, the foliage that was once a bright glossy green, gradually changes until the whole plant is a glowing mass of the

brightest shades of crimson, scarlet and orange. This variety is also known as the Japan and Boston Ivy 25
Ampelopsis quinquefolia, or **Virginia Creeper**, sometimes called American Ivy and Woodbine; a very rapid grower, leaves turning to a crimson in autumn. This is a native plant, and the hardiest, most rapid growing climber we have 20

ACHILLEA.

A very fine free-flowing hardy perennial, particularly adapted to plant among rock-work, or in situations where more tender plants will not succeed. It blooms in clusters and is very desirable for cutting, or planting in cemeteries. Valuable for forcing. The flowers are pure white, and double.

Achillea Ptarmica fl. pl., dozen, \$2.00; each 20



ACHILLEA.

AQUILEGIA.

The Aquilegias, probably better known as Columbines, have always been favorite flowers. Aquilegia leptoceras chrysantha is one of the most showy of the family; the plant becomes larger and stronger, and flowers more beautiful each year.

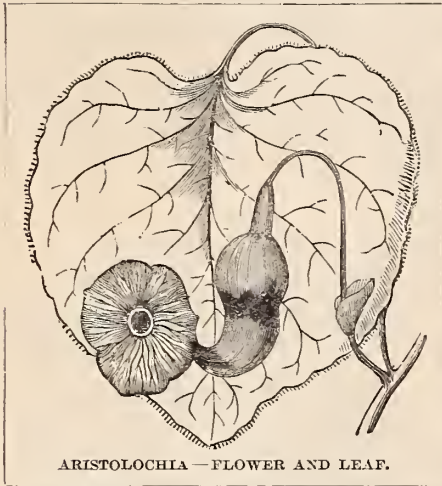
Aquilegia leptoceras chrysantha, from Arizona; flowers large, canary yellow 20

ANEMONE.

One of the best hardy, autumn-flowering plants we have. It is plain looking during the summer, with dark green foliage; but in the latter part of summer flower-stems appear, growing eighteen inches high, bearing from a score to a hundred flowers, continuing to improve until destroyed by frost. The flowers are about two inches in diameter. An excellent plant for cemeteries.

- Anemone Japonica alba*, pure white..... 20
- rubra*, deep rose color..... 20
- coronaria* is of low growth, and flowers in early summer. Dry roots, double or single, per doz..... 25

ARISTOLOCHIA.



ARISTOLOCHIA — FLOWER AND LEAF.

A rapid growing, hardy climber, attaining a height of thirty or more feet, with large leaves ten inches across, and curious, pipe-shaped yellowish brown flowers. At a distance the vine might be mistaken for a Bean vine, but the flowers can be taken for nothing else but a Dutchman's pipe. They are three or four inches long, a yellowish-green brown, and deservedly give the name to the vine. But they leave no odor objectionable to the most delicate nerves; they scatter no fire or ashes, and they are a floral curiosity your friends will laugh at, and when they see your vine they will procure one for themselves.

- Aristolochia Siphon*, or Dutchman's Pipe 30

BIGNONIA.

A splendid hardy climbing plant, producing large, trumpet-shaped, orange-scarlet flowers about three inches long. They are produced in clusters, and are quite as handsome in the bud as when fully expanded. The foliage is also very beautiful, having a bright, glossy appearance that always attracts attention. This plant is not only an admirable climber, but, on the lawn, makes a pretty bush if the tops are cut back, having the appearance of a strong, drooping shrub.

- Bignonia radicans*, or Trumpet Creeper. 20



BIGNONIA.



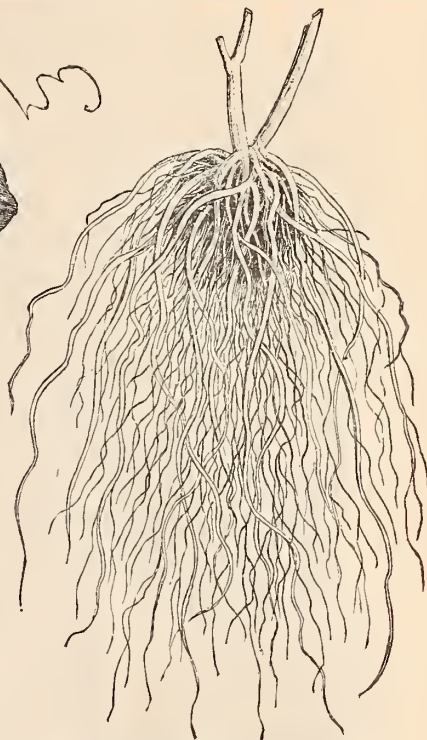
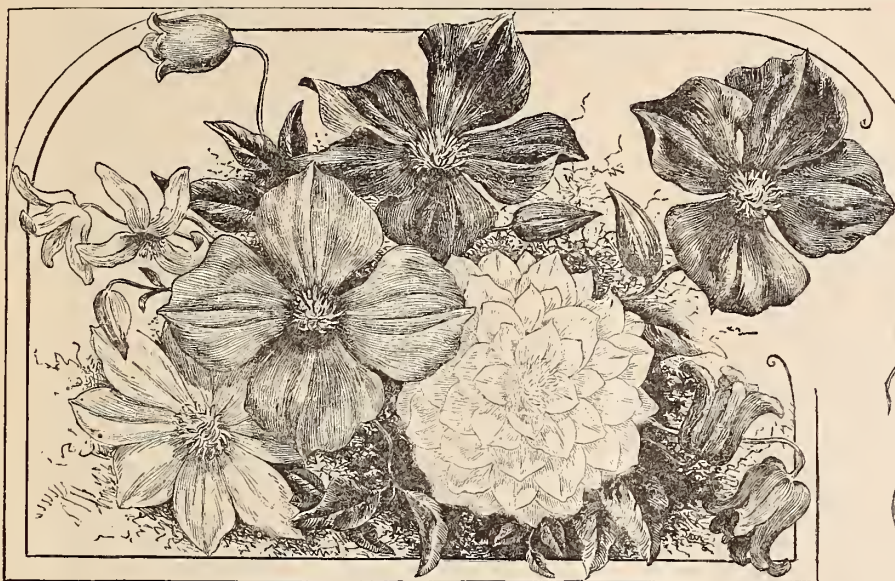
ANEMONE.

DEUTZIA.

We can highly recommend the Deutzias for hardiness, good habit, the great profusion in which they produce their flowers, and in every respect as being among the most desirable hardy shrubs in cultivation. The flowers are in racemes from four to six inches in length. The first time we saw this plant in flower we thought it the finest shrub in existence; each, 25 cts.

- Deutzia gracilis*, flowers white, single, and so profuse as to cover the branches.
- crenata flore-pleno*, flowers double, white, with back of petals pink.
- Double White*, pure white, making it one of our best spring flowering shrubs.





CLEMATIS.

No flower has more rapidly advanced in popular favor than the Clematis. Within a few years it has become the favorite climber of the world. It makes a quick, rapid growth, and produces its beautiful showy flowers in the greatest profusion. For pillars, trellises, bedding in masses, or planting about rock-work, the Clematis cannot be excelled. The large-flowering varieties are particularly desirable for these purposes. In the fall give the plants a good top dressing of well-rotted manure. The following spring spade it in carefully, mixing it well with the soil, and it will prove very beneficial to the plants.

LARGE-FLOWERING VARIETIES.

EXTRA STRONG HOLLAND GROWN ROOTS.

Clematis, Fair Rosamond , bluish white, wine-colored bar..	75
Gem , deep lavender blue	75
Henry , white, very fine	75
hybrida Sieboldia , lavender, very large, flowers of great substance.....	75
Jackmanni , large, intense violet-purple flowers, from 4 to 6 inches in diameter. This has proved itself to be the most showy of the hardy climbers, old plants being literally covered with flowers.....	75
John Goud Veitch , double, lavender blue.....	1 00
lanuginosa candida , flowers large, light lavender, 5 to 6 inches in diameter	75
lanuginosa nivea , pure white	75
Lucie Lemoine , double, white, flowers very full.....	1 00
Louisa , pure white	75
Lawsoniana , very large, rosy-purple flowers, slightly marked with darker veins.....	75
Miss Bateman , white, with chocolate anthers.....	75
Nigricana , blackish-purple	75
Otto Fröbel , grayish or French-white tint, shading to rosy-lilac, very large	75

Clematis ru-bra, viola-cea, maroon shaded violet... 75

Stella, light violet, reddish plum-colored bar

Sophia plena, semi-double, outer edge of petal lilac-purple, shading towards the center to straw color

Standishi, light lavender blue.....

Star of India, reddish plum-color changing to violet-purple, bars bright red

The Queen, delicate lavender or mauve tint, very showy.....

Thomas Moore, rich, puce-violet, with a prominent tuft of white stamens, very large.....

velutina purpurea, blackish-purple, very profuse bloomer 75

TYPE OF HOLLAND GROWN ROOT, MUCH REDUCED IN SIZE.

SMALL-FLOWERING VARIETIES.

Although the flowers of the following varieties are not large, they are produced in such great profusion as to make them very showy and desirable.

Clematis crispa, a handsome variety, with bell-shaped, lavender flowers, growing from eight to ten feet high; the flowers are borne on long, single stems, and are delightfully fragrant..... 25

coccinea, scarlet; the flowers of this variety differ in form very much from the others in our list, and look more like a bud than a blossom; when planted near or in connection with other varieties, the contrast is very striking..... 25

Virginiana, common Virgin's Bower, a native of rapid growth, with clusters of small, white flowers, succeeded in autumn by fruit with conspicuous feathery tails..... 25

FRINGE.

A very desirable shrub, much admired for the curious fringe, or hair-like flowers that cover the whole surface of the plant. The white variety has large, glossy leaves, and produces its flowers in drooping racemes, about the time the foliage starts. The purple variety flowers later, and in erect spikes that remain on the plant all summer. This variety may be better known to many of our customers under such names as Smoke, or Mist Tree.

Fringe, Purple (Rhus cotinus) . Plants, each	25
White (Chioanthus Virginica) . Plants, each.....	25

HYDRANGEA.

Hydrangea paniculata grandiflora. (See COLORED PAGES.) Plants, according to size, each 25 cents to..... 1 00

HONEYSUCKLE.

The different varieties of the Honeysuckle are esteemed among the most desirable hardy climbers. Certain it is that the associations connected with the fragrant honeysuckle will make it always popular. Among flowers none has been more written about than this, none more prized by people, prince or poet. Its common, or, rather, poetic, name is Woodbine; the botanical name is *Lonicera*, given in honor of a German botanist.

Honeysuckle, Hall's Halleana, an evergreen variety from Japan; flowers pure white, changing to yellow; very fragrant... 25

Scarlet Trumpet, monthly, evergreen, or nearly so; flowers scarlet outside and yellow inside..... 25

Japan Golden-veined, foliage small, beautifully netted with yellow, flowers white, sweet..... 25

Monthly Fragrant, or Dutch, flowers red and pale yellow 25

Chinese Twining, flowers nearly white..... 25

HOLLYHOCK.



HOLLYHOCK.

There are few plants whose flowers so perfectly combine large size and delicacy as the Hollyhock. Its flowers are quite as double, and almost as pure and perfect as those of the Camellia, and when we remember that they mass around a column from three to five feet in height, we get some idea of their beauty. Seeds sown in the spring produce plants that will bloom the second summer. We have excellent, healthy young plants, grown from seed, that will flower the first summer, and usually for two or three summers after. The colors are nicely assorted, so that almost every color, from white to purple, may be expected. Give the plants a light covering of coarse litter for winter protection.

Hollyhock, double, assorted colors; good plants, will flower first season, per doz., \$2.00; each..... 20

LILIES.

The Lily is a favorite flower everywhere, a Queen of Flowers, and only the Rose can dispute its claim to queenly honors. The Lily abounds everywhere, in the humid vale and on the lofty mountain top, and, truly, no earthly monarch was ever arrayed as one of these simple, yet beautiful flowers.

With few exceptions, Lilies succeed in our gardens admirably, and continue to increase in strength and beauty for many years. The collection of Lilies is now so large and so good that no lover of flowers can afford to ignore this interesting and elegant family, and no garden can be considered complete without at least several of the best varieties. All Lilies require deep planting, and should not be disturbed for several years. In almost every case flowers will be obtained the first summer after planting, but it will be quite as well for the health of the plant if

there is no bloom until the second season. In the North it is well, before winter, to cover the ground over and around the bulbs with three or four inches of leaves or straw, or course manure as a winter protection.

	Each.	Doz.
<i>Lilium auratum</i> , the magnificent Japan Lily, Fig. 2.....	\$0 15	\$2 50
<i>candidum</i> , common white.....	25	2 50
<i>Canadense</i> , our native Lily.....	25	2 50
<i>croceum</i> , brilliant orange color, covered with small black dots; very showy.....	25	2 50
<i>excelsum</i> , delicate cream or buff.....	1 00	10 00
Harrisii , new. The Easter Lily of Bermuda, large, pure white, trumpet-shaped flowers, of great beauty and exquisite fragrance. This is the most valuable and popular variety in cultivation for winter blooming, many thousands being grown each season for church decoration at Easter. Good, strong flowering bulbs.....	25	2 50
<i>Japonicum longiflorum</i> , white, trumpet-shaped; 5 inches long, Fig. 3.....	25	2 50
<i>lancifolium rubrum</i> , white and red, very showy, Fig. 1.....	25	2 50
<i>lancifolium album</i> , white.....	50	5 00
<i>pardalinum</i> , one of the most desirable of the Canadense class; flowers yellow and red, spotted.....	25	2 50
<i>Speciosum album (Præcox)</i> , white.....	50	5 00
<i>tenuifolium</i> , foliage slender; flowers brilliant scarlet. This is a little beauty, Fig. 4.....	40	4 00
<i>tigrinum</i> , Tiger Lily.....	20	2 00
<i>tigrinum flore-pleno</i> , Double Tiger Lily.....	25	2 50
<i>Thunbergianum grandiflorum</i> , large cluster of dark red flowers.....	20	2 00

LILY OF THE VALLEY.

The Lily of the Valley is quite hardy. To raise the plants in perfection in the open ground, choose a partially shaded place, prepare the soil to the depth of two feet with a mixture of leaf mould and sand. Set the roots about six inches apart and two inches below the surface. A good plant set in a bed prepared in this manner will bloom profusely. For the house we have what are called "pips," young roots with flowering stems, that will bloom in a few weeks after planting, and will flower well in baskets of damp moss, or potted. Pips for winter flowering in the house we can send out in December, as they will not suffer injury from frost. For the garden we can ship either in the spring or autumn.



LILY OF THE VALLEY.

Lily of the Valley, very sweet and graceful; delicately hung; per dozen..... 40

PINK.



PINK.

The Double Garden Pinks bloom early, are dwarf in habit, and make fine edgings for walks. Most of them are white, with colored margin, and very fragrant. Set of 5 named varieties, including the old-fashioned June or Grass Pink, 90 cents; each, 20 cents.

PYRUS JAPONICA.

This is one of the most beautiful of our hardy flowering shrubs. It makes a splendid lawn plant, and is also very showy to plant in a front line of shrubbery. The flowers are produced before the foliage, and make a gorgeous display.

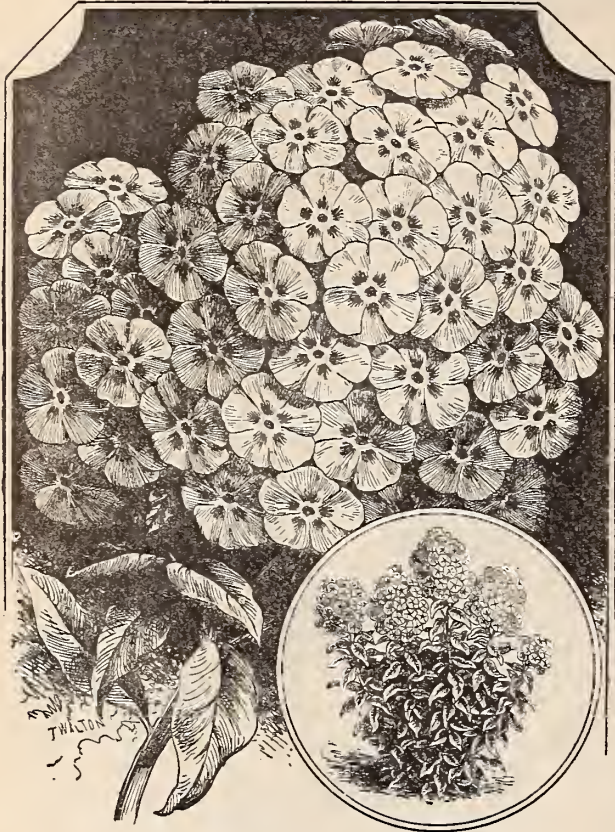
Pyrus Japonica. Each, 20 cents.



LILIES.

- | | |
|------------|----------------|
| 2 Auratum. | 3 Longiflorum. |
| 1 Rubrum. | 4 Tenuifolium. |

PERENNIAL PHLOX.



PERENNIAL PHLOX.

The flowers of the Perennial Phlox, when the plants get strong, are immense bunches of bloom, from the purest white to crimson. Plants will keep increasing in size, and may be divided at the roots every two or three years. When in flower they are two feet or more in height.

Perennial Phlox, 20 cents each; \$2.00 per dozen.

- Albertus, violet-crimson.
- August Riviere, fiery-red, shaded violet.
- Belle Pyramide, light violet.
- Chameleon, white and lilac striped.
- Comtesse de Castries, white, small rose eye.
- Coquette, pure white, soft rosy-crimson eye.
- Coccinea, deep fiery-scarlet, dark eye.
- Dr. La Croix, rosy-purple, dwarf.
- Edgar Quinet, rosy-amaranth.
- Edith, pure white, very faint lavender eye.
- Francois Coppee, creamy-white, with carmine rose center.
- Heroine, crimson-violet.
- Isabey, orange salmon, center purplish-crimson.
- James McKay, white, lightly tinged with lavender.
- Julie Roussel, pure white, rosy-crimson eye.
- Lothair, rich salmon, crimson eye.
- Lulli, violet-purple; dwarf.
- Mad. Devert, deep pink, carmine eye, very dwarf.
- “ Lechurval, silvery-rose, crimson eye.
- Miss Robinson, pure white.
- Mlle. Cuppenheim, pure white, dwarf.
- Oberon, coppery-red.
- Princess de Furstenberg, white, carmine eye.
- Premier Ministre, rosy-white, center deep rose.
- Queen, pure white.
- Richard Wallace, white, violet center, very large.
- Reve d'or, light crimson, eye of a darker shade.
- Saison Lierval, pure white, with deep crimson eye.
- Surprise, irregularly shaded white and lilac, large crimson eye.
- Tissandier, purplish-red.
- Virgo Marie, pure white.
- White Perfection, pearly white.

CHINESE PÆONIES.

The Chinese Pæonies are valuable on account of their large size, beautiful coloring and delightful fragrance. They are perfectly hardy, never suffering injury by cold, and will succeed in any ground, unless so wet that the water will lie on the surface in the winter and spring. They may be planted either in the autumn or spring, and are transported with greater safety than most any plant—not one in a hundred falling.

Good roots, each 25 cents; dozen, \$2.50, except as noted.



CHINESE PÆONIA.

Pæonia fragrans, one of the best pink varieties.

Double White, 30 cents each.

amabilis grandiflora, outer petals flesh color, inner petals delicate straw.

amabilis lilaceus, outside petals blush, inner petals buff; center blush.

Beaute Francaise, outer petals pink; second row fringed, center full.

bicolor, Rose, shading to white at outer edge.

Brugel, light rose, fine.

Buyckii, outer petals rose, center salmon and rose.

Comte de Paris, bright rose; fine.

Dr. Brettoneau, fine rose color.

Duchesse d' Nemours, pink and rose, shaded lilac.

Duchesse d' Orleans, violet-rose, center salmon.

elegantissima, outside petals rose, center cream and rose.

Francois Ortegat, dark crimson, large and full, 35 cents.

Fulgida, crimson, flowers very large, 35 cents.

grandiflora nivea, rosy-purple, center salmon.

Lamartine, very dark crimson, 35 cents.

Limbata, rose.

lutea plenissima, blush.

Papilionacea, white center, petals marked with crimson, 30 cents

Perfection, rose, center salmon, marked purple.

Pomponia, large, purplish pink, with a salmon center.

Roi Guillaume, light rose.

rosea grandiflora, deep rose; early.

Smitzii, single, color bright crimson with conspicuous yellow center. It is beautiful in the bud form, and splendid for cutting, very fragrant, one of the earliest to bloom.

unicolor grandiflora, outer petals rose, center salmon tinged with rose.

Victoria Modeste, outer petals violet-rose, center cream.

TREE PÆONY.

The Tree Pæony bears flowers in form like the common Pæony, but they are light pink or blush in color, and the plant instead of dying down to the ground every winter, as our common herbaceous Pæonies, is a small hard-wooded shrub, bearing its branches above the ground.

Tree Pæony,
good roots, each \$1.00





ROSES

The plants of the Hybrid Perpetual class are entirely hardy. The flowers are of immense size, often five to six inches in diameter, and of the most beautiful colors, from pure white to the darkest shade of crimson. Through their blooming season, in June they give us a show of brilliant colors unequaled by any other plants. In the spring, cut back all the shoots, or stems, and they will send up new ones, which will make a very strong growth and give abundance of bloom.

Moss Roses are very popular and much admired for their beautiful buds, which are covered with a moss-like texture.

Climbing Roses are perfectly hardy, blooming early in the summer, and when in a rich soil soon cover any arbor or porch.

In selecting a spot to plant Roses, choose the best place you have in the garden, one that is sheltered from the sweeping winds and the hot rays of the afternoon sun. The soil should be open and porous, and may be frequently enriched by spading a good quantity of well-rotted manure.

For List of Monthly Roses, see Tender Plants.

HYBRID PERPETUAL ROSES.—20 cents each; \$2.00 per dozen; \$12.00 per hundred, except as noted; or \$1.75 per dozen, our own selection.

- Rose American Beauty**, a variety with extraordinary large flowers that are delightfully fragrant, beautiful in the bud, and perfectly double when fully open; color deep crimson; a grand Rose; 30 cents.
- Achille Gonod**, bright carmine, very large, full.
- Augusta Mic**, delicate pink; free blooming.
- Archduchess D'Autriche**, soft, satiny-pink; full and good size; habit vigorous; very free bloomer.
- Ambrogio Maggi**, bright rose; globular-shaped.
- Antonie Mouton**, deep rose, tinged with lilac.
- Alexandrine Bachmetieff**, cherry-red; flowers rosette-shaped, medium size.
- Anne de Diesbach**, beautiful shade of carmine; large and very fragrant.
- Belle Normandie**, light rose, large and fine.
- Baron de Bonstetten**, beautiful dark velvety crimson; large and fine.
- Baron Chaurand**, bright maroon, strong grower.
- Baronne Prevost**, deep rose; very large and full.
- Catherine Soupert**, rosy peach; very distinct.
- Comtesse de Serenye**, silvery-pink, often mottled.
- Comte de Flanders**, reddish-purple, shaded carmine.
- Coquette des Blanches**, white, with pink tinge.

- Rose Coquette des Alpes**, white, occasionally tinged with pink, flowers in clusters.
- Caroline de Sansal**, flesh color, darker towards the center; large full flowers.
- Charles Lamb**, bright red, very clear color; free bloomer.
- Dinsmore**, bright scarlet, very fragrant and beautiful; fine bedder.
- Duplessis Mornay**, brilliant fiery crimson.
- Dr. Marx**, rosy carmine, full, extra.
- Dr. de Chalus**, velvety scarlet, shaded rose at edge.
- Dupuy Jarnain**, bright cherry-red, large and full.
- Edward Morren**, deep cherry-rose; flowers full, large, and flat.
- Ferninand de Lesseps**, purple, shaded violet.
- Fisher Holmes**, rich, deep crimson, full, and good form.
- Fontenelle**, carmine-red; flowers medium size, full and double.
- Gen. Washington**, crimson scarlet; fine.
- Gloire Lyonnaise**, new. This variety originated at Lyons, France, has been introduced as a great novelty. **A Yellow Hybrid Perpetual Rose.** The color is light yellow, with creamy-white border; very handsome in the bud; 30 cents.
- Gen. Jacqueminot**, rich crimson-scarlet, very bright and velvety. It produces beautiful buds that are much admired and in great demand. This is, undoubtedly, the most popular Rose in cultivation.
- Jean Cherpin**, plum color; very fragrant.
- John Hopper**, bright rose, with carmine center; large and full.
- Jules Margottin**, deep rose; large and fine.

- Rose Jean Liabaud**, crimson maroon, shaded scarlet; large.
- Lady Sheffield**, cherry-red.
- Louis Bonaparte**, fine deep rose.
- La France**, silvery-rose changing to pink; a most constant bloomer; very fragrant; beautiful both in flower and bud.
- La Reine**, deep rosy-lilac; free flowering, fine.
- Lord Macauley**, scarlet crimson.
- Louis Von Houtte**, crimson and maroon.
- Leopold Hausburg**, large, bright crimson.
- Louis Odier**, bright rose; medium size; well formed.
- Marechal Vaillant**, crimson flowers; large, well formed and fragrant.
- Mad. Marie Finger**, light rose, darker in the center; globular form, large.
- Mad. Clert**, clear pink; fine.
- Mad. Chas. Wood**, reddish-crimson, very large.
- Mad. Gabriel Luizet**, pink, quite fragrant.
- Madame Plantier (Hyb. China)**, summer bloomer; pure white.
- Mad. Nachury**, dark rose; fine flower.
- Mad. Marie Bianchi**, lilac, shaded lighter in the center, outside of petals nearly white; globular-shaped flowers, very sweet.
- Madame Rosalie de Wincop**, red, tinged with lilac.
- Magna Charta**, pink, suffused with rose; large, full.
- Marshall P. Wilder**, new; flowers semi-globular; large, full, well formed and of a beautiful cherry-carmine color; very fragrant. 50 cents.

Rose Mrs. John Laing.—For bedding purposes this variety is undoubtedly one of the finest yet introduced, as it blooms almost continually from early summer until late in the fall. Color soft pink; flowers large, well formed and exceedingly fragrant. Very beautiful. Each 50 cents.

Mlle. Eugene Verdier, beautiful satiny pink; reverse of petals silvery white.

Paul Neyron, deep rose; very large.

Perfection des Blanches, pure snowy white; free bloomer; flowers large and very fragrant.

Paul Ricaut, bright crimson.

Pæonia, bright clear red, very sweet; one of the finest old varieties.

Paul Verdier, fine bright rose.

Rev. J. B. M. Camm, carmine-rose; flowers medium size, very fragrant.

Sydonie, rose color; medium size, full.

Souvenir du Comte de Cavour, bright crimson, shaded.

Souvenir de Ducher, rich, deep crimson; compact.

Souvenir de Madame Berthler, bright red, tinged with purple; large.

Thomas Mills, bright rosy-carmine; large and full.

Victor Verdier, bright rose, crimson center.

CLIMBING HYBRID PERPETUALS.

Rose Caroline Goodrich, rich velvety-crimson.

Climbing Jules Margottin, deep rose; flowers medium size; a splendid pillar rose.

Climbing Victor Verdier, flowers medium size; bright rose, with crimson center.

MOSS ROSES.—20 cents each; \$2.00 per dozen.

Aphelis purpurea, rosy-lilac; large and full; very double and fragrant.

Blanche Moreau, white, free bloomer.

Boursier de la Riviere, deep red.

Comtesse de Murinais, pale flesh, changing to white.

Duchessed'Istrie, bright red; fine form.

Eliz. Rowe, light rose.

Henry Martin, dark red.

Luxemburg, bright crimson-scarlet.

Mad. Albani, pink, large, very full.

Mrs. Wood, deep rose, tinged with purple.

Mad. de la Rochelambert, fine, clear rose.

Mousseline, white, slightly tinged with pink, changing to pure white as the flower expands.

Princess Adelaide, pink, blooming in clusters, often called "Climbing Moss."

Rose Raphael, pinkish white.

White Perpetual, white.

CLIMBING ROSES.—20 cents each, except as noted.

Baltimore Belle, pale blush; nearly white.

Crimson Boursault, dark rich crimson.

Gem of the Prairies, carmine-crimson; 25 cents.

Greville, or Seven Sisters, blush and crimson.

Queen of the Prairies, rosy-red; fine.

Russell's Cottage, dark velvety-crimson.

Superba, pink, changing to blush.

For List of Monthly Roses, see Tender Plants.

SNOWBALL.

A well-known shrub, producing large, round clusters of snow-white flowers in May.

Snowball (Viburnum opulus), each..... 20

PERENNIAL PEA.

The Perennial Pea is so hardy, so continuous a bloomer, so good both in flowers and foliage, and so vigorous a climber, that we advise every one to plant it. The plants grow to a height of ten feet or more, and produce their flowers in clusters, improving each year.

Perennial Pea, pink..... 20



PERENNIAL PEA.

PYRETHRUM.

Pyrethrum uliginosum. This is an autumn blooming variety, which grows to a height of about four feet, with leafy stems that terminate in clusters of large, white flower heads 25

SUNFLOWER (Helianthus).



SUNFLOWER.

In this variety of Helianthus we have a gem, one that should be in every garden. It is perfectly hardy in this locality, but in colder regions

a protection of coarse litter will be required. The plants attain a height of about four feet, and, in their blooming season, which is in August and September, they are nearly covered with bright golden-yellow, double flowers, about the size of a Dahlia. In fact, at first sight it may be easily taken for a plant of yellow Dahlia. The flowers are very desirable and showy for cutting, remaining bright and fresh for several days. A perfect gem.

Helianthus multiflorus plenus, per doz., \$2.00; each..... 20

SYRINGA (Philadelphus).

The Syringa is one of the most desirable shrubs. Its beauty and fragrance make it a universal favorite. They are perfectly hardy, standing our severest winters without the slightest injury.

Syringa grandiflora, pure white..... 25

grandiflorus speciosissimus plenus, new; flowers very large, white, with full double center... 30

microphyllus, new; a small leaved species, of very dwarf and compact habit; flowers white, large, and most deliciously scented; very desirable... 30

rosæflorus plenus, new; very large full double flowers, composed of imbricated pure white petals..... 30



SYRINGA.

THRIFT.

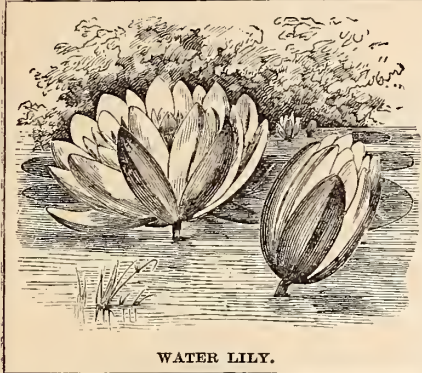
Thrift, known also as Sea Pink, and the true name of which is Armeria vulgaris, is a hardy little evergreen plant, with masses of narrow, dark green leaves, and bearing clusters of pink flowers in early summer.

Thrift, plants, each, 15 cents; per dozen..... \$1 50

THYME.

- Thyme, Golden, per dozen, \$2.00; each..... 20
- Lemon, per dozen, \$2.00; each..... 20

WATER LILY.



WATER LILY.

Nymphaea odorata can be grown in any swampy piece of ground, and even in tubs of water sunk in the ground, or on the surface, and in aquariums in the house. For ponds, if a soft, muddy bottom, tie the root close to a stone large enough to sink it, and drop it in near the shore in two or three feet of water, as the bloom is much better in shallow water. If a hard bottom, dig a small hole and cover it lightly. For tubs, take any

strong barrel, free from oil, tar or salt (molasses barrels are best), saw in two, put in six or eight inches of fine loam, or pond mud, if handy, lay in the roots, being careful to straighten out the small fibers, and cover two inches deep, fill the tub gently with water and keep full. These tubs should be put in a cellar in the winter, to keep from freezing; fill with water when put away, and they will come out all right in the spring.

- Nymphaea odorata*, per dozen, \$2.50; each..... 25

WEIGELA.

A beautiful shrub that blossoms in June and July. The flowers are produced in so great profusion as almost entirely to hide the foliage. They are very desirable for the border, or for grouping, and also as specimen plants for the lawn. Each, 25 cents.

- Weigela candida*, pure white.
- Desboisii*, deep rose.
- rosea*, flowers beautiful rose color.
- variegata*, flowers rose color; foliage variegated.

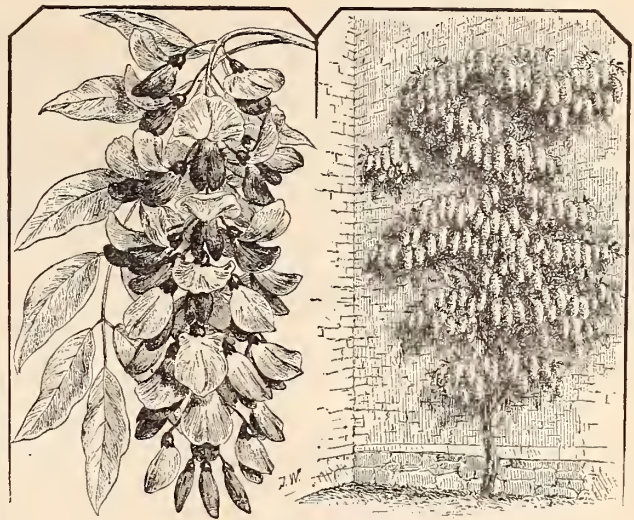
The set for 80 cents.

YAM.

The Chinese Yam (*Dioscorea Batatas*), may never be desirable for food, but it certainly makes a very pretty running vine, often called Cinnamon Vine, because its flowers are thought to have a cinnamon fragrance.

- Chinese Yam. Tubers, \$1.50 per dozen; each..... 15

WISTARIA.



WISTARIA.

The Wistarias are strong and rapid growers, desirable for trellises, porches, etc. When well established they grow twenty feet or more in one season. The flowers are in long racemes, and are produced very freely. A large plant in bloom is a most gorgeous sight.

- Wistaria Sinensis*, Chinese Wistaria, flowers light purple; each 30
- alba*, similar to the above, except the color of the flowers, which are pure white; very fine..... 1 00

YUCCA.

The Yuccas are erect and noble plants, with long, narrow, strong sharp-pointed leaves, with a peculiar tropical aspect. Filamentosa is the hardiest, and will endure the winter in most parts of the country. It sends up a strong flower stem in the middle of the summer, bearing a large spike of whitish flowers.

- Yucca filamentosa*, strong 1 year old roots, 30 cents; strong 2 year old roots..... 60
- Seeds of Yucca, per packet..... 20

MISCELLANEOUS LIST.

Lack of space prevents our giving a full description of the following well-known plants and bulbs:

- Alyssa*, beautiful shrubs, blooming early in the fall; single white, double red, and double variegated; each..... 25
- Akibia quinata*, a singular Japanese climber, brown flowers..... 20
- Arabis alpina*, leaves in dense rosettes, flowers pure white..... 20
- Astilbe Japonica*, feathery trusses of small white flowers, low-growing..... 25
- Calycanthus floridus*, foliage large, flowers cinnamon color..... 20
- Dicentra spectabilis* (Bleeding Heart)..... 25
- Day Lily, White (*Funkia alba*)..... 30
- Yellow (*Hemerocallis flava*), flowers clear canary yellow; very fragrant..... 25
- Japonica*, light blue, with narrow foliage..... 20
- cœrulea*, dark blue, with broad, glossy foliage..... 20
- Day Lily, *undulata media picta*, lavender, foliage light green, beautifully variegated with white..... 50
- Delphinium*, new chinese, flowers light blue..... 25
- Daisy, white or red..... 20
- Dictamnus Fraxinella*, white or pink
- Digitalis*, flowers thimble-shaped, beautifully spotted..... 20
- Erianthus Ravennæ*, a beautiful ornamental grass..... 20
- Forget-Me-Not (*Myosotis*), blue..... 20
- Hyacinthus Candicans*, white bell-shaped flowers on stems about four feet high..... 20
- Iberis gigantea alba* (Hardy Candytuft), single white..... 20
- sempervirens flore pleno*, double white..... 20
- Ivy, English, the old popular variety. Plants, 20, 40 and 60 cents each.
- New Silver Striped, leaves heavily bordered with pure white; fine..... 25
- Rhombia*, leaves small, bordered with white..... 25
- Ivy, *Maculata*, light green, mottled with white..... 25
- Lilac, Purple..... 25
- White..... 25
- hyacinthiflora plena*, new, double, flowers imbricated and well formed; color rosy-lilac..... 30
- Lemoinei*, new, double, flowers rosette-like, rose color on opening, but change to soft lilac..... 30
- Mathieu de Dombasle*, new, double, well expanded flowers of a fine reddish mauve color..... 30
- rubella plena*, new, double, flowers of a clear reddish violet color, very full
- Spiræa prunifolia*, flowers pure white, double..... 20
- Van Houttei*, pure white, single; fine
- palmata elegans*, a herbaceous variety; flowers white, with conspicuous red stamens..... 25
- Violet, English, dark blue..... 20
- Double White..... 20
- Marie Louise, light blue..... 20
- Swanley White, new double white.. 20

TENDER BULBS AND PLANTS.

THIS DEPARTMENT embraces a large number of our most beautiful BULBS and PLANTS, as will be observed when we mention that it includes the Gladiolus and Dahlia, the Calla and Cannas, the Geranium, Coleus, and, indeed, all our Bedding Plants. If the plants cannot be planted on their arrival they should be put into small pots, using a good, light soil, and watered thoroughly, after which shade them and water sparingly until they show signs of growth.

Plants that are sent by mail have but little soil left on them, and

they should receive very careful treatment, especially the first few days after their arrival. If they look wilted, put them in luke-warm water for fifteen or twenty minutes; this will greatly revive them. Those sent by express are generally in such condition as to require larger pots than the ones from which they were removed at the time of shipment. Caladiums, Tuberoses, Callas, Gloxinias and similar plants should, as a rule, be started as soon as received, while Dahlias, Gladioli, &c., should be kept in a cool place until proper time for planting.

ABUTILON.



ABUTILON.

This class of plants is often called Flowering Maples, because the leaf bears a strong resemblance to the leaf of our Sugar Maple; indeed the whole plant looks somewhat like a dwarfed Maple tree. The Abutilons are very popular on account of their healthfulness, their cleanly habit and their constant flowering. If desired for planting the following season, place them in the cellar, covering the roots with moist soil. Plants, 20 cents each; \$2.00 per dozen.

- Abutilon Arthur Belsham**, large, clear crimson.
- Boule de Neige**, flowers white.
- Caprice**, beautiful dark red, foliage yellow and green.
- Compactum**, chrome yellow, perfectly formed and very showy.
- Eclipse**, a pretty trailing variety, foliage beautifully marked deep green and yellow; flowers bright yellow with crimson throat.
- Golden Fleece**, a handsome variety, with large, showy, bright yellow flowers.
- Rob't George**, orange, veined with crimson.
- Roseum**, pink flowers; very free bloomer.
- Seraph**, pure white, dwarf.
- Santana**, brownish crimson.
- Sensation**, orange-scarlet, veined with crimson.
- Snowstorm**, white; very fine.
- New Double, Thompsoni plena**, a sport from Thompsoni var., flowers large, full, and perfectly double; color, rich orange, shaded with crimson.

ACHANIA.

A greenhouse shrub, with scarlet flowers; blooms summer and winter; not subject to insects of any kind. One of the most satisfactory house plants grown.

Achania Malvaviscus, each..... 20

AGERATUM.

Very useful plants for bedding or borders, flowering continually during the summer. By cutting back and potting in the fall they will continue to flower all winter. Per dozen, \$1.50; each, 15 cents.

Ageratum John Douglas, azure blue; compact habit.

Mexicanum var., foliage variegated with creamy white, flowers blue.

White Cap, pure white; compact grower.

Swanley Blue, light blue; dwarf.

ACHYRANTHES.

Bright-leaved plants, used largely for bedding, for which they are admirably adapted. They are of easy culture, standing the hottest summer weather perfectly. Per dozen, \$2.00; each 20 cents.

Achyranthes aurea reticulata, leaves green and yellow.

Verschaffeltii, leaves carmine and pink.

Lindenii, leaves dark blood red.

Cæsii, leaves large, green and yellow.

Hoveyi, leaves large, carmine, crimson and bronze.

Emersonii, like *Lindenii*, but lighter shade.

Collinsi, foliage golden yellow and green, beautifully variegated; stems and mid-rib crimson.

ALTERNANTHERA.

These beautiful plants are among the most showy we have for carpet-bedding, borders, or ribbon lines, and are especially adapted to use in the formation of letters or figures on the lawn. The leaves are tinted, bordered, and blotched in various forms, and vary in color from bright crimson to yellow and green. The plants grow about six inches in height. Per hundred \$10; dozen, \$1.50; each, 15 cents.

Alternanthera amonea spectabilis, crimson, pink and brown.

aurea nana, foliage bright green, beautifully variegated with yellow.

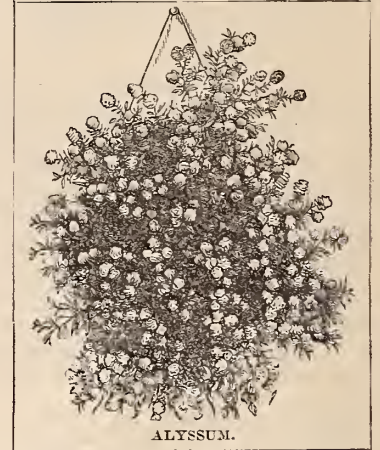
latifolia, broad, smooth, autumn-tinted leaves.

New Black, foliage chocolate and dark green.

parychoides major, bright carmine, yellow and green.

versicolor, leaves tinted rose and carmine.

ALYSSUM.



ALYSSUM.

Pretty plants for vases, pots or baskets; flowers very fragrant. Price 20 cents each.

Alyssum Double White.

gigantea, new; improved double white.

variegata, foliage striped; single.

Tom Thumb, a beautiful dwarf variety.

AZALEAS.

Azaleas are popular evergreen greenhouse shrubs, grown principally for cut flowers and decorative purposes. To the florist they are very valuable, and almost indispensable. The flowers are produced in great profusion, of various colors, from pure white to dark crimson. There are also striped and double varieties. Plants should be plunged in some shady place through summer.

Azaleas, each, 50 cents to..... 1 00

BEGONIA.

This family we divide into three classes: 1st, Tuberos-rooted; 2nd, Flowering varieties; 3d, Rex, or Ornamental-leaved varieties.

TUBEROUS BEGONIAS.

The tuberous-rooted Begonias are among the most showy plants we have for pot culture during the summer, as they bloom profusely for a long time. The large size of the flowers and beautiful form of the plant are the admiration of all. Some of the varieties bear very large drooping flowers, as shown in the engraving, while others have smaller blossoms in erect spikes. After the tops die down, take up the bulbs, dry them, and keep them in dry sand in a cool place till spring.



TUBEROUS BEGONIA.

- Begonia, tuberous-rooted, white, per dozen, \$3.00; each..... 30
- Red, per dozen, \$2.50; each..... 25
- Yellow, per dozen, \$3.00; each..... 30
- Mixed varieties, per dozen, \$2.50; each..... 25
- Double mixed, new strain of very fine flowers, per dozen, \$7.50; each..... 75

FLOWERING BEGONIAS.

This beautiful class of plants is deservedly popular. Their beauty of foliage, combined with graceful flowers and free-blooming qualities, make them most desirable plants. They require about the same temperature as Bouvardias, an average of seventy degrees, to bring them to perfection. As pot plants for summer or winter decorations they have but few equals. Plants, 20 cents each; \$2.00 per dozen, except where noted.

- Begonia argyrostigma picta, leaves green with white spots; flowers white.
- Bruanti, foliage glossy deep green, of dwarf branching habit; flowers white with a faint pink tint; constant bloomer; fine variety.
- Gilsoni, new, double. The only double-flowering variety of this class. Flowers large, white, shaded carmine. It is a strong, free grower, and makes a handsome specimen plant; each, 25 cents.
- incarnata, strong grower; flowers pink; very fine.
- manicata aurea, a beautiful and very distinct variety, with glossy green foliage, which is handsomely marked and blotched with cream color, shading to canary; flowers pink, lace-like, in long spreading panicles; an elegant and very showy plant; each 50 cents.
- metallica, a very handsome variety, foliage dark green, with beautiful silvery lustre; flowers pink.
- Richardsonii, flowers white; leaves finely divided.
- rubra, leaves dark green, flowers scarlet-rose, in immense clusters.
- sceptra, new; a native of Brazil; leaves marked with dots and blotches of silvery-gray; 50 cents.
- Semperflorens gigantea rosea, new, splendid as a pot plant, and also for cut flowers. The leaves are a bright glossy-green, large, smooth, and attached closely to the stem. Flowers large and in clusters well above the foliage; color brilliant carmine, very fine.
- subpeltata nigricans, bronzy foliage; flowers pink.
- Sandersonii, scarlet; fine winter bloomer.
- Weltoniensis, rich pink; stems red.
- zebrina, foliage dark green with whitish veins; flowers light pink.

BEGONIA REX.

The Rex varieties, of which we have a dozen or more, varying in color and markings, are very effective as pot plants. Care should be

taken to keep the foliage free from dust. Occasionally, the plants may be showered, but should not be exposed to the sun until the leaves are perfectly dry; 30 cents each.



BEGONIA REX.

- Begonia, C. H. Wagner, very broad light colored zone, small center of dark green, outer edge same color.
- Inimitable, dark, even-shaded leaf, of a polished metallic steel color.
- Louis Chretien, a new variety of special merit, with leaves of dark bronzy green, beautifully lighted in the center with bright metallic purple.
- Mad. Treyve, habit upright, broad zone of soft green, edged with brownish plum color.
- Paul Payomet, very broad silver zone, center and outer edge bronze-green.
- Perle des Paris, foliage very large, completely covered with a silvery or pearl-like lustre.
- Queen of Hanover, leaf silvery white; border of a darker shade, with an occasional spot of green.
- Queen Victoria, solid silvery leaf, with reddish vines.
- Rex, the old variety, center and border of the leaf dark bronze-green; band large and distinct.
- Regina, center and border of leaf dark green, with fine silver spots; band bright and perfect.
- Walter Reid, center dark bronze, bordered with silver and light green, outer edge dark bronze.

BOUVARDIA.

This is a beautiful class of autumn and winter blooming plants deserving much attention. They are easily raised, and reward the grower with a profusion of brilliant flowers all winter. By plunging the pots in summer a vigorous growth will be ensured. "Plunging," as gardeners call it, is sinking the pot in the soil as low as the rim, so that the pot is hidden and the plant looks as though it were simply growing in the bed without any pot. They should be removed to the house or conservatory in September, before frosts, and they require more heat than Geraniums, Carnations or Abutilons. \$2.00 per dozen; 20 cents each.

- Bouvardia Liantha, dark scarlet.
- Davidsonii, white.
- Humboldtii corymbiflorum, flowers pure white, over two inches long, and delightfully fragrant.
- Brunetti, light blush.
- Bockii, beautiful deep coral-red, base of petals and throat clear white; fine.
- President Cleveland, crimson-scarlet; fine grower.

DOUBLE BOUVARDIA.

The Double Bouvardias are now among the most popular plants for forcing or house culture. The flowers are a trifle larger than those of the single variety, and perfectly double; each, 20 cents.

- Bouvardia Alfred Neuner, double white.

CALADIUM ESCULENTUM.



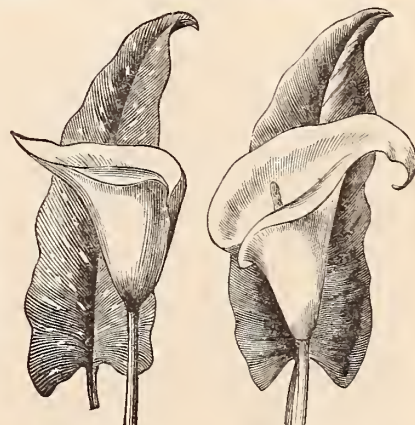
The Caladium esculentum is one of the handsomest of the ornamental-leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in a cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden.

- Caladium esculentum, good roots; per dozen, \$2.00; each..... 20
- Extra large roots, per dozen, \$4.00; each.. 40

CALADIUM (Fancy-foliaged).

The fancy-foliaged varieties are beautiful plants for summer decoration. They require a high temperature to bring the colors out to perfection. Leaves curiously striped, blotched and spotted with white, crimson and pink. In the fall they die down, and the bulbs should be kept in the pots in a warm place. Each, 50 cents; \$5.00 per dozen.

CALLA, or RICHARDIA.



SPOTTED CALLA. EGYPTIAN LILY.

Richardia Ethiopica is the well-known Egyptian Lily, or Lily of the Nile, with large white flowers, broad foliage, and it will prosper under very adverse circumstances, if given plenty of water. It is an excellent plant for aquariums. In the spring it may be planted in the garden until the autumn.

- Richardia Ethiopica, or Egyptian Lily. Our Calla roots are large and fine, as we have them grown for us in California, where the Calla is perfectly at home; each..... 25
- Extra large tubers; each..... 50
- alba-maculata, or Spotted Calla. This is a fine plant for summer. The bulbs must be kept in dry sand in the winter..... 20



CHRYSANTHEMUMS.

The Chrysanthemum is the prettiest and most valuable late autumn and early winter flower. In November and December there is nothing that will make such a cheerful display. They are almost hardy, but not quite, north of New York City. The best way is to get young plants in the spring, and sink the pots in the soil up to the rim, water quite freely, and keep the plants well cut back until about the middle of August. They should be repotted at least twice during the summer. Take them to the house in October and November, and you will have a grand display for two months. The prevailing colors are white, the different tints of yellow (and the yellow colors are exceedingly fine), and different shades of red. The reds are not brilliant. Fine plants, good assortment of colors, 15 cents each; \$1.50 per dozen.

JAPANESE, OR FRINGED.

- Chrysanthemum Angel**, lilac on opening, changing to nearly white.
Alaska, large clear white reflexed flowers, showing a slight lilac tinge in the center on opening; blooms in clusters.
Belle Pauline, pure white, edged with rose.
Bras Rouge, crimson-maroon, reverse of petals deep bronze.
Christmas Eve, pure white, medium size, twisted petals; very late.
Comedie, silvery-blush.
Domination, flesh-colored pink.
Edwin Molyneux, rich chestnut-crimson, golden reverse, well incurved.
Elaine, pure white.

- Chrysanthemum Gloriosum**, light lemon, with narrow gracefully curved petals.
G. F. Moseman, irregular incurved petals, buff outside, terra cotta inside.
Grand Turc, deep amaranth, edged white, large.
Juvena, dark maroon, shaded blood red.
King of Primroses, primrose yellow, striped rose.
La Charineuse, purple, shaded lilac and white.
La Fortune, golden yellow, petals large and long.
La Triumphant, white, shaded rose; large and fine.
L'Canning, pure white, flowers large and handsome.
Leopard, amaranth, dotted with white; petals much twisted.
Lily Burgess, rich, clear rose, with small, bronzy pink center.
Mastic, chamois buff, with silvery reflex.
Mary Salter, creamy-white; fine feathery flower.
Marguerite Marrouch, crimson, edged with yellow.
Mrs. Charles Carey, pure white; flowers large and well formed.
Mr. W. Barr, base of petals bright crimson; partly tubular, with points of pure yellow.
M. Neville, salmon, changing to rose and white.
Mrs. Goldring, orange-yellow, suffused red.
Mrs. Cleveland, white; tubular petals; a beautiful showy variety.
Mrs. Geo. W. Childs, outside petals white, dark rose inside; fine.
Mrs. H. Cannell, pure white, petals broad, sometimes quilled and much incurved.
Mrs. G. Bullock, pearly-white; very large flat flower.
Mrs. T. H. Spaulding, pure white, petals long and broad, twisting and bending towards center.
Mrs. Frank Thompson, petals broad, lined and mottled deep pink, reverses silvery.
Mrs. C. H. Wheeler, center deep red, outside petals orange, flowers large; late.
Mrs. De Witt Smith, outer petals beautiful soft rose, changing to white towards the center.
Mrs. H. J. Jones, a beautiful light yellow variety, with large showy flowers that are of great substance; splendid for cutting.
Miss Brodessa, We consider this the finest white Japanese variety in cultivation. The flowers are of the purest white, large, full and well formed; petals tubular.

- Chrysanthemum Mr. H. Cannell**, deep lemon-yellow; large and full.
Montauk, deep crimson maroon, flat petals, showing small yellow center; flowers quite large.
Mons Boyer, lilac-rose, shaded white; curled florets.
M. E. Nichois, fine pink; early.
Onward, white with rose shadings; very fine.
Puritan, pure white, tinted with lilac; large.
Rosea superba, lilac-rose, tipped with buff; large and fine.
Sachem, deep yellow reflexed flowers, sometimes lightly striped with dark crimson.
Source d'Or, golden twisted florets, tipped yellowish-brown.
Swanley Yellow, pure yellow, large reflexed flowers; dwarf.
The Intended, flowers rose color, with white tips, back of petals silvery.
Tubiflorum, a remarkable variety, with long, straight, tubular-like petals; color, pink and white.

POMPON, OR SMALL FLOWERING.

- Crimson Perfection**, bright crimson.
Eleonore, crimson, tipped gold.
Exposition de Chalons, light rose, mottled with white; very double.
Model of Perfection, pink, margined with white.
Orange Quill, orange and deep gold; quilled.
Snow Drop, white; fine for cutting.

CHINESE, OR LARGE FLOWERING.

- Bendigo**, golden-yellow.
Bonnie Rose, deep rose, reverse of petals silvery-pink.
Charles Delmas, flowers full and imbricated, brick red, with fiery shadings.
Charles Gibson, light yellow, outer petals having a light shade of bronze; flowers of great substance.
Cherub, golden amber, tinted with rose.
Cullingfordii, rich crimson, shaded scarlet.
Empress of India, white; large and fine.
Frank Wilcox, rich, golden-amber, slightly shaded deep bronze.
Jardin des Plantes, rich golden yellow.
Lord Eversley, flowers pure white, very neatly formed, with broad smooth petals.
Lord Wolseley, rich, deep bronzy-red, shaded purple.
Mabel Ward, lemon-yellow, reverse of petals silvery pink.
Mrs. Geo. Rundle, white-incurved; very fine.
M. Norman Davis, carmine rose and dark lilac; early bloomer.
Miss A. H. Bates, French white, large, incurved.
Sam Sloan, pale blush; very large; finely incurved.
Tragedie, rose, with lighter shadings; novel color.
Wm. Stevens, red.

SINGLE CHRYSANTHEMUMS.

These are of American origin. The flowers are very showy, nearly all having the golden-yellow disc which is always conspicuous, and at the present time much sought for in many flowers. 15 cents each; \$1.50 per dozen.

- James G. Murkland**, petals snowy-white; very long, reflexed on the outer edge; inner petals irregular.
Mrs. Robertson, creamy-white, with rose tips, large golden-yellow disc.
Mary Anderson, white, changing to blush.
Queen of the Yellows, bright yellow; showy.

CHRYSANTHEMUM FRUTESCENS.

This is the popular Paris Daisy that is so desirable for cutting in winter. The flowers much resemble our common field Daisy; almost constantly in bloom; each, 20 cents.

CANNA.

The Canna is a fine foliage plant, making a good bed alone, but particularly desirable as the center of a group of foliage plants, for which it is one of the best, growing from three to six feet. The leaves are sometimes two feet in length, of a beautiful green, some varieties tinted with red. Roots can be taken up in the autumn and placed in the cellar. No one can fail to be pleased with this plant.

- Canna Ehemanni**, a splendid variety with large crimson flowers about three inches long and two inches wide; each 30
- Indica rubra**, scarlet; foliage green, with dark border 25
- Nepalensis**, foliage bright green; flowers yellow; very strong grower; splendid 25
- Noutoni**, flowers a rich shade of crimson-scarlet; habit compact 30
- President Faivre**, flowers a maranth-red; foliage bronze 30
- robusta**, a very fine, tall-growing, dark leaved variety, 8 to 10 feet high; each 25
- Selowii**, orange scarlet; green foliage 25
- Warczewiczii**, crimson, yellow markings in lower petals; foliage light green 25
- FRENCH EVER-BLOOMING CANNAS.**
- Canna Adolph Weick**, foliage bright green, erect, flowers bright carmine-red 40
- A. Crozy**, rich shade of crimson, fine spike; foliage dark green, edged purple 50
- Cardinalis**, foliage dark green, flowers bright purplish-red 40
- General Boulanger**, canary yellow, mottled and streaked with crimson; foliage green 25
- Lutea splendens**, light yellow, delicately spotted with crimson; flower spikes very large; foliage green 50

COLEUS.

The Coleus is the best and cheapest ornamental-leaved plant we have for ornamental bedding, in what is sometimes called the carpet-style. A few dozens of these plants will make a bed of which no one will have any cause to be ashamed. There is such an endless variety in their colors and markings that, with a little taste in planting varieties, the most gratifying results can be obtained at a trifling cost. Plants should be set about a foot apart, so that when the size of the bed is ascertained, it is easy to figure how many plants are needed of each kind for a row. Each, 15 cents; dozen, \$1.50.

- Coleus Carminata**, center of leaf very brilliant carmine, with broad, dark, maroon border, edge light green.
- Charm**, yellow tinged with bronzy-scarlet.
- Crimson Velvet**, crimson, spotted with black; edge serrated and lightly bordered with green.
- Fascinator**, center of leaf light carmine, bordered and blotched with black and yellow, edge dark green, deeply lacinated.
- Golden Bedder**, yellow; compact habit; splendid bedder.
- Hero**, chocolate-maroon, almost black.
- James Barnshaw**, yellow and crimson streaked.
- J. H. Stacombe**, maroon, edged with gold and yellow.
- John Goode**, a splendid yellow bedding variety, foliage deeply serrated.
- Miss Retta Kirkpatrick**, large white center, shaded yellow, broad green lobed margin, large foliage.
- Pioneer**, center of leaf violet-crimson, bordered dark maroon, edge very dark green.
- Priscilla**, serrated green leaf, marked in center with creamy-white, underside of leaf violet-pink.
- Spotted Gem**, yellow ground, regularly spotted with crimson, green, and orange.
- Tesselata**, marbled with green and pale yellow.
- Verschaffeltii**, velvet-crimson.



CARNATION.

The Carnation is one of the sweetest, prettiest flowers that grow. It is beautiful and fragrant, and gives plenty of flowers a long time. The ever-blooming varieties are admirable for winter-flowering in the greenhouse and window-garden, and are the main dependence of the florist for the preparation of floral ornaments in the winter. The best way is to get young plants in the spring and plant them out in the garden. Pinch off the tops of all long shoots as they appear, so as to form compact plants, and all buds that appear previous to the middle of August. After that allow all to grow. Take up and pot the plants about the first of October and remove them to the house. Young plants, 15 cents each, or \$1.50 per dozen.

- Carnation, Buttercup**, light yellow, streaked with carmine: very fine.
- Clifton**, dark crimson, large flower.
- E. G. Hill**, bright scarlet; very large, free bloomer.
- Florence**, scarlet, large, well-formed flower; fringed.
- Gracie Wilder**, delicate pink; finely fringed.
- Grace Fardon**, rich deep pink; very free flowering.
- Geneva**, pure white, with purplish crimson markings.
- Hinzie's White**, white; flowers very large.
- J. J. Harrison**, pearly white, streaked and bordered rosy-carmine; flowers delicate in coloring, and well-formed.
- Juliet**, ground color white, flaked with pink and maroon; dwarf habit.
- L. L. Lamborn**, flowers pure waxy-white, borne on long stems; profuse bloomer.
- Mrs. F. Mangold**, salmon, changing to lighter shade.
- Orient**, bright crimson-scarlet.
- Portia**, bright scarlet; medium size; free bloomer.

- Carnation, President Garfield**, vermilion red; very fine.
- Robert Craig**, dark red; very free; habit compact.
- Scarlet Defiance**, beautiful scarlet.
- Seawan**, dark crimson maroon; a profuse bloomer.
- Silver Spray**. We can confidently recommend this variety as being the best white Carnation in cultivation at the present time. The flowers are pure white, large, perfect, and all produced on long stems, never bursting; a beautiful variety.
- The Century**, rich, glowing carmine; flower very full and double.
- Tidal Wave**, bright pink; shaded salmon.
- Wm. Swayne**, pure white: early, free bloomer.

CACTUS.

The Cactus family is interesting on account of the curious leafless growth of the plants and the beauty of the flowers; the Lobster Cactus, especially, is a great favorite.

- Cactus Epiphyllum truncatum (Lobster Cactus)**, winter-blooming 25
- Cereus grandiflorus or Night-blooming Cereus** 25
- C. M. Hovey**, a superb variety, with very large flowers; ground color brill-

iant crimson, each petal having a beautiful broad band of bright magenta, distinctly divided by the ground color; the whole flower having a rich, velvety appearance; each 50

CAPE JASMINE.

A pretty evergreen shrub with double white flowers an inch and a half in diameter and very fragrant.

Cape Jasmine (Gardenia florida) 30



SINGLE DAHLIA.

SHOW DAHLIAS.

This class grows tall and has large, showy flowers.

- Dahlia Ada Tiffin**, light peach, tinged with rose.
Alderman, white and lilac, purple stripe.
Amazon, yellow, with scarlet edge.
Anna Warner, creamy color, shaded flesh.
Bird of Passage, white, tipped with pink.
Charles Turner, yellow, crimson edge.
Chorister, fawn color, striped crimson and rose.
Criterion, primrose tipped purple.
Delight, creamy white, edged with purple.
Dude, purplish lilac, high center.
Duke of Connaught, dark crimson; shaded purple; handsome.
Earl of Radnor, rich plum color; large.
Emily, bluish, suffused with rose; large.
Ethelwin, very dark purple.
Fanny Purchase, bright yellow; fine.
Firefly, deep scarlet; good.
Flambeau, very bright orange-scarlet.
George Rawlings, very dark maroon; full size.
Glorie de Lyon, large; pure white.
Golden Gate, yellow, tipped with red.
Goldfinch, yellow, striped with purple, and tipped white; very fine.
High Sheriff, very dark, nearly black.
James Vick, purplish maroon; intense.
John Cocker, very dark maroon.
John Lamont, maroon, with darker stripe; very fine.
King of Purples, fine purple.
Lady Wimborne, deep pink, heavily shaded with rose; new color.
Lottie Eckford, white, purple stripe.
Maggie Scul, bluish white, edged with purple; very pretty and free.
Magician, deep yellow, striped scarlet.
Margery, buff, striped and speckled with crimson and purple.
Maria Gerring, white, striped purple.
Mirefield Beauty, a beautiful shade of red; the flowers of this variety are always perfect.
Mrs. Bunn, light ground, finely striped with purple.
Mrs. G. R. Jefferd, large; deep yellow.
Mrs. Grover Cleveland, lavender.
Mrs. Langtry, cream color, beautifully edged with crimson.
Mrs. Stancombe, canary yellow, tipped.
Nellie Cramond, purple, shaded cerise.
Orient, white, distinctly striped purple.

DAHLIA.

The Dahlia is the grandest autumn flower we have. It is in its glory during September and October, when other flowers are fading, and surrenders only to the Frost King. Put Dahlia tubers in the ground when the season becomes warm, covering the neck some three inches. If many shoots start, thin them out. After flowering, and before hard frosts, take up the plants, remove the tops, dry the bulbs a little, and put in the cellar until spring, when they can be divided and replanted.

Look at them occasionally to see that they are not shriveling from too dry an atmosphere, nor starting the eye early in consequence of too much moisture and warmth. Tubers can be forwarded as soon as danger from frost is passed—about first of April. Price, 20 cents each, and \$2.00 per dozen. If the selection is left to us, we will sell bulbs at \$1.75 per dozen, and we think we can make a selection that will delight any lover of this beautiful flower. Our stock forms the largest and finest collection in the world.

A complete list, containing all the latest novelties, and with full descriptions of over 200 varieties of Dahlias, will be sent Free on Application.



CACTUS DAHLIA.

DWARFS, OR BEDDERS.

The Dwarf Dahlias grow only about eighteen inches high, but the flowers are full size.

- Dahlia Aurora**, yellow; large.
Dawn, creamy ground, tipped with rose.
Dwarf Queen, purple, tipped with white.
Fire King, bright crimson.
Fraulein Hettergot, light and rose.
Gem of the Dwarfs, red, white tip.
George Thompson, yellow; large.
Goldfinder, golden yellow.
Leah, fine shade of orange, tinted with rose.
Marguerite Bruant, white.
Meta Bartelles, pink.
Mt. Blanc, clear white.
Rising Sun, large, intense scarlet.
Sambo, dark maroon.
Vulcan, deep red large flower; fine.

CACTUS DAHLIAS.

This comparatively new class of Dahlias is becoming more popular every year. The flowers are very beautiful, though peculiar in form, somewhat resembling the blooms of the Cactus family. Hence the name, "Cactus Dahlia." They grow tall, bloom and branch freely, and are splendid for cutting.

- Dahlia Charming Bride**, white, tipped with pink.
Cochineal, rich dark crimson.
Empress of India, almost black.
King of Cactus, reddish crimson shade; large broad petals.
Lady Marsham, soft scarlet, shaded purple.
Mrs. Tait, large white; serrated petals.
Prince Imperial, purplish crimson.
William Pearce, bright yellow; perfect.
Zulu, very dark maroon.

SINGLE DAHLIAS.

The single Dahlias grow tall, and bloom abundantly. They are particularly adapted for cutting, for which purpose many consider them superior to the double sorts.

- Dahlia Albert Victor**, rich maroon.
Albion, orange, shaded rose.
Chilwell Beauty, scarlet, with yellow bar.
Cloth of Gold, rich yellow.
Florie Fisher, deep mauve, white disc.
General Diaz, vivid scarlet; very showy.
Mrs. Louisa Pryor, maroon, with a white disc bordered with lake.
Purple Paragon, deep violet-purple.
White Queen, large, white.

Dahlia Oriole, golden ground, striped and tipped with scarlet.

- Pioneer**, black; large size.
Prince Bismarck, fine large purple.
Princess, white; large flower.
P. V. Nasby, bronze, striped maroon.
Queen of Sports, white and lilac, purple striped.
Robin Adair, peculiar shade of brown; flowers fine shape and very perfect.
Ronald, buff; free and fine.
Snow Cloud, pearly white; withstands the sun.
Statesman, purplish-crimson; a beauty.
Sunlight, bright scarlet.
The Pet, dark maroon, tipped with white.
Thomas White, dark crimson maroon.
William Ady, lilac, striped with purple.
William Dawkins, fawn, edged with bright crimson.
Woman in White, large; white.
Yellow Standard, yellow.

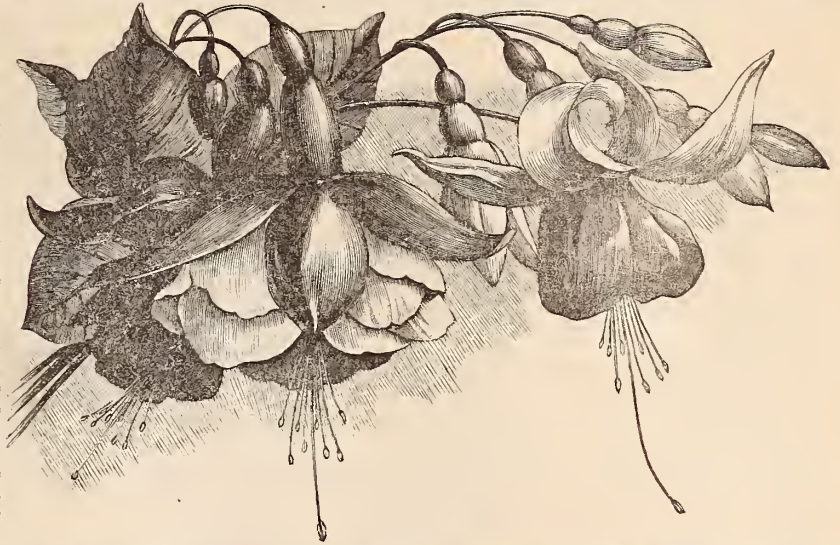
POMPON, OR BOUQUET.

The unique flowers of this class are always beautiful and perfectly formed. The plant grows tall like the Show Dahlia, but the flowers are much smaller. They are abundant bloomers.

- Dahlia Admiral Dot**, purplish-lilac.
Brilliant, deep crimson.
Burning Coal, yellow, scarlet tip.
Catharine, yellow.
Cupid, white, suffused with rose.
Fashion, light orange.
Grace, cerise, shaded with lilac.
Iseult, clear yellow.
Janet, rich salmon.
Lady Blanche, small, pure white.
Leila, buff, with heavy red tips interspersed with petals wholly white; sportive.
Little Agnes, light pink.
Little Bob, fine, deep scarlet.
Little Fireball, bright scarlet; full.
Little Goldlight, gold, scarlet tip.
Little Leopold, deep pink; very fine.
Little Virginie, bright rosy purple; good.
Mabel, lilac; excellent form and free.
Meteor, bright scarlet.
Profusion, crimson, tipped with white.
Sappho, rich maroon; splendid.
The Khedive, deep crimson, suffused with white at base of petals.
White Aster, pure white; fimbriated.

FUCHSIA.

The Fuchsias, as all know, are elegant flowers, delicate in coloring and exquisitely graceful in form. When in full bloom they are a most beautiful sight. The plants we offer are strong and thrifty, grown especially for summer and winter flowering, and may be trained in almost any desired form. The Fuchsia requires a light, rich soil. Sprinkle often and give plenty of light and air. The usual plan is to obtain plants, flower them in the house during winter, and then consider them useless. This is all wrong. If you have any defective spot on the north side of the house that you wish concealed during the summer, nothing will answer the purpose as beautifully as the Fuchsia. Cut out the plants in early summer, sinking the pots a little deeper than the rim, and before the first frost move the plants to the house, and they will make you glad all winter, and be ready for service in the garden next summer. For those unacquainted with varieties, who may prefer to leave the choice to us, we will make a selection that we are quite sure will be satisfactory, as our collection is large and fine. Plants 25 cents each; \$2.00 per dozen, except where noted; or \$1.75 per dozen, our selection.



SINGLE.

- Fuchsia Aurora Superba**, sepals salmon, corolla orange.
- Année Earle**, tube and sepals waxy white, corolla clear carmine; plant of splendid habit and very free bloomer.
- Black Prince**, corolla reddish rose; sepals carmine.
- Bulgaria**, large red sepals, corolla purple-violet.
- Cherry Bird**, sepals scarlet; corolla dark purple; foliage golden yellow; very fine.
- Earl Halt**, sepals white, corolla crimson, striped with white; winter-flowering.
- Covent Garden White**, tube and sepals white; corolla clear lake.
- Criterion**, pale rose striped with deep mauve, tube and sepals crimson scarlet.
- Earl of Beaconsfield**, rosy carmine, corolla deep carmine; large flower.
- Eureka**, tube and sepals rosy-red, corolla deep purple, flushed with magenta.
- Fille des Champs**, sepals carmine-rose, well reflexed, large white corolla.
- Flocon de Neige**, new; tube and sepals soft coral-scarlet; corolla pure white, large and open.
- King of Stripes**, corolla violet, distinctly striped with red; free bloomer.
- Lovely**, tube and sepals white, corolla brilliant crimson tinted magenta.
- Lustrous Improved**, tube and sepals white, corolla very brilliant carmine-scarlet.
- Mrs. Marshall**, corolla carmine; sepals white; winter-flowering.
- Mr. King**, tube and sepals soft coral-red; corolla deep purple; fine habit; flowers medium size.
- Pearl of England**, one of the best winter blooming sorts; sepals white, petals rosy scarlet.
- Speciosa**, scarlet; sepals blush; winter-flowering; one of the best.
- Sunray**, violet and crimson; leaves beautifully variegated.

DOUBLE.

- Avalanche**, corolla violet; sepals crimson.
- Avalanche, Smith's**, white; sepals crimson.
- Berliner Kind**, tube and sepals rosy-pink, corolla white, a splendid variety.
- Buzeval**, a very early free bloomer, sepals red, corolla azure blue, flowers very double, plant of good habit.
- Champion of the World**, flowers very large, sepals coral-red, corolla dark purple.

- Fuchsia Cormorant**, sepals bright carmine, corolla violet.
- Deutscher Kaiser**, sepals rosy crimson, corolla violet purple.
- Frau Emma Toepfer (Storm King)**, sepals bright crimson-scarlet, corolla shaded same, but well balanced with a profusion of white.
- Gem**, corolla large, deep violet; sepals crimson; winter-flowering.
- Jeanne d'Arc**, tube and sepals bright scarlet; corolla pure white; dwarf.
- Jumna**, sepals coral red, corolla purple with rose shadings.
- Montrose**, corolla white; sepals rose.
- Mrs. E. G. Hill**, the most perfect double white Fuchsia yet introduced; tube and sepals bright reddish crimson, off-setting the large pure white corolla to great advantage. The plant is of splendid habit, a remarkably free grower, yet compact and symmetrical in form, very free bloomer; each, 25 cents.
- Mrs. Short**, sepals coral red, corolla white.
- New Mastodon**, tube and sepals deep crimson; corolla rich, deep violet; flower very large.
- Pres. F. Gunther**, sepals carmine, corolla lilac shading to violet.
- Phenomenal**, sepals bright carmine; corolla bright violet-purple; flowers very large.
- Perle von Brunn**, new; sepals clear red, corolla pure white; large.
- Sapaly Freres**, sepals coral red, corolla violet and carmine.
- Tower of London**, corolla violet-blue; sepals crimson; very large.

FERNS.

These beautiful plants are now quite generally cultivated. Some of them do exceedingly well with room culture, especially the Pteris; the beautiful Japanese Climbing Fern, *Lygodium scandens*; the Sword Fern, *Nephrolepis*; and the graceful *Adiantums*. All do well in ferneries or Wardian cases. In summer they should be set out of doors on the shady side of the house or fence. Shower them frequently both in summer and winter; plants 25 cents each, except as noted.

- Fern Adiantum cuneatum**, one of the most graceful and easily grown, fronds 6 to 12 inches; beautiful for bouquets.
- gracillimum**, a very graceful Fern, fronds about a foot long and 8 inches wide.
- Lastrea aristata variegata**, of a rich dark green; the variegation consists of a band of pale yellowish-green, which runs down the pinnae, and includes the mid-rib.

Fern Lygodium scandens, a beautiful climbing Fern from Japan, growing from ten to twenty feet and succeeding admirably with common room culture. 50 cents.

Nephrolepis exaltata, or **Sword Fern**, very desirable for house culture, especially for hanging baskets.

Onychium japonicum, a very handsome Fern, which makes a fine specimen plant if allowed plenty of pot room; fronds from 10 to 15 inches long, and of a very rich dark green.

Pteris cretica albo-lineata, fronds a foot or more in length, having a broad band of white running up the center, giving it a beautiful appearance.

serrulata, foliage in dense masses, grows from 12 to 18 inches high; very attractive.

GLOXINIA.



Gloxinias are among the handsomest of our summer blooming greenhouse plants. The flowers are gorgeous, and the foliage has a soft velvet appearance. Bulbs should be started in the spring; in a warm place. They require partial shade and a liberal supply of water when growing. After blooming, water should be withheld, and the bulbs remain dry through the winter; 50 cents each.

GERANIUM.

A group of scarlet Geraniums is a dazzling sight from June to November. No flowering plants are more grown and certainly none are more suitable for large beds where a mass of bloom is desired. When used in connection with Alternantheras, Coleus, and other foliage plants, they make an attractive display. The Silver-leaf Geraniums, and some of the scented varieties, form an excellent border for a bed of scarlet Geraniums, provided they are well cared for, and the buds pinched off as they appear.

The class of single varieties embraces every color from purple and scarlet to white. Plants make a vigorous, healthy growth, and bear the hottest suns admirably, and are, perhaps, the most useful for lawn beds. Plants should not be put into the ground until the weather is quite warm and all danger of frosty nights is over, in Northern States toward the last of May, and they should be set so that when grown they will cover the ground.

Plants intended for winter-blooming should be grown in pots through the summer and not be allowed to bloom; or cuttings should be made in September. Geraniums, to bloom well in the house, require to be kept quite cool and to have plenty of air. 20 cents each; \$2 per dozen, except where noted; or \$1.75 per dozen, our selection.



Geranium Bridesmaid, white, with pink markings in center, outer edge of petals tinted same; free bloomer, 30 cents.

Brilliant, beautiful scarlet; flowers very perfect; truss large.

Clytie, crimson, suffused magenta, white eye; flowers large and fine. 30 cents.

Countess of Derby, salmon and white, mottled, very bright in the center, flowers large and showy.

Cinderella, bright rosy salmon, fine truss.

Defenseur de Belfort, purple scarlet; fine.

Dick's Seedling, white, with large salmon eye.

Eros, scarlet, white eye; fine form.

Excelsior, bedding; scarlet; fine.

Gen. Grant, scarlet.

Happy Thought, leaf with a large yellowish white center and green margin; flowers magenta.

H. Cannell, Jr., crimson, deeply suffused with purple, white eye, truss very large.

Jasper, light scarlet, with white eye.

Kate Nicholson, dwarf; pink; free bloomer.

King Olga, rich deep pink; base of petals white, truss large and perfect.

Lady Reed, pure white, with large scarlet center, 25 cents.

Lewis, carmine, beautiful shade.

Lily, white, sometimes slightly tinted.

Lydia, brilliant scarlet.

Master Christine, dwarf; pink; very fine bloomer.

Mrs. Barker, light rosy magenta; flowers and truss large; dwarf habit.

Mrs. James Vick, salmon, shading to nearly white, without an equal for winter.

Mad. Aline Frilleuse, orange scarlet, large truss.

Mad. Racimer, rich deep crimson; large truss.

New Life, the flowers are vivid scarlet, irregularly striped with salmon and white, like a Carnation; truss good; very free flowering; sports sometimes.

Par Excellence, bright scarlet, free bloomer.

Pretty Jane, rosy magenta; large truss of well-shaped flowers; dwarf habit.

Queen of the West, light scarlet.

Queen of the Whites Improved, this is one of the finest white Geraniums ever sent out; truss and individual flowers large and well formed, petals very broad and perfect, of good growth and habit. 25 cts.

Geranium Queen of the Belgians, flowers pure white, large and very perfect, of great substance, splendid bedder.

Sir Harry, carmine-scarlet, a seedling from Grant, which it resembles in style and habit of growth. It is a very free bloomer, and one of the best and most showy varieties we have for grouping.

Streak of Luck, color salmon, distinctly striped with white; very free flowering.

Trophee, light rosy magenta, flowers and truss very large, dwarf habit.

Victorien Sardou, purplish-magenta, upper petals distinctly marked with orange; good free grower and bloomer. 30 cents.

DOUBLE.

The double Geraniums have been wonderfully improved the past few years. We now have them of as many and as beautiful colors as the single. For bedding they are about as good every way as the single, and for cutting much better.

Bruant, vermilion-scarlet, splendid bedder.

Bishop Wood, scarlet and violet, splendid bedder.

dbl. Gen. Grant, vermilion-scarlet, flowers and truss large, free grower and blooms abundantly; one of the finest bedders in cultivation.

Dr. Phinney, intense scarlet, shaded crimson.

Earl Granville, deep purplish-pink dwarf.

Guillion Mangilli, dazzling crimson scarlet, lower petals shaded with violet; very large flower.

George Thorpe, intense bright crimson; fine bedder.

Gen. Farre, flowers salmon, irregularly mottled with rose, and sometimes blotched white.

Gloire de France, center of flower bright salmon, shading off to white.

Hoff Beach, rich amaranth-purple, flowers large.

James Vick, fine shade of crimson, lower petals changing to violet rose.

Jeannie Reid, crimson scarlet; fine bedder; dwarf.

J. P. Kirtland, deep crimson, flushed with purple.

J. H. Klippart, bright vermilion-scarlet, shaded mahogany at base of petals.

La Favorite, truss very large, individual florets beautiful and perfectly formed; one of the finest snowy white sorts.

Geranium L'Contable, of good habit, with fine large flowers of a beautiful bright rose color; very free.

Le Pere Secchi, orange salmon.

Little Gem, vermilion-scarlet. This variety grows only about six to nine inches in height, and blooms very freely.

Louise, salmon, shaded rose.

Mrs. Langtry, pure white; truss and flowers very large.

Mrs. E. G. Hill, pale blush, overlaid with a delicate lavender shade; truss and flowers large.

Mad. Thibeaut, flowers very large, deep rose-pink, upper petals marked with white.

Maggie Hallock, deep pink, shaded rose.

Mrs. W. E. Corden, beautiful shade of rosy-carmine; flowers full and of good form.

M. Press, large trusses of well formed flowers, color rosy-salmon, brightened with carmine; good habit.

Pres. Leon Simon, bright clear red, flamed salmon.

Progress, dark scarlet; very fine.

Queen of the Fairies, bright flesh color, mottled with pearly white; flowers well formed.

Remarkable, crimson, shaded scarlet, truss large, an abundant bloomer.

Ruby Triumph, crimson scarlet; large truss.

Salamander, light magenta, trusses very large.

S. A. Nutt, very dark crimson; a splendid variety for bedding.

Simon Delaux, cherry-purple; dwarf.

Sylphide, dwarf; flowers delicate rose; magnificent.

W. E. Gladstone, light scarlet; very brilliant.

SWEET-SCENTED.

The fragrant Geraniums are treasures. For making bouquets, and as a back ground for button-hole flowers they are indispensable. The leaves are beautiful as well as fragrant. Some varieties are more finely cut, as will be seen by the descriptions. Each, 20 cents; per dozen, \$2.00.

Rose, Citron, Pennyroyal, and Lemon, are the most popular.

The following are also choice:

Apple, round, light green leaf; delightfully fragrant.

Dr. Livingstone, leaves finely divided.

Mrs. Taylor, flowers large; deep scarlet.

Variegated Rose Scented, leaves bordered with white; very showy; 25 cents.

IVY-LEAF.

This class has thick, glossy, and Ivy-shaped leaves, and the plants are of a drooping habit. They are excellent for baskets, vases and house plants, and not undesirable for beds on the lawn; each, 20 cents; per dozen, \$2.00; or, \$1.75 per dozen our selection.

SINGLE.

- Geranium Duke of Edinburgh**, leaves light green, broad white margin; flowers rose.
- Holly Wreath**, leaves light green; broad, yellowish margin; flowers rose.
- L'Elegante**, white margin, tinged with pink; flowers white.
- La France**, flowers deep violet amaranth; upper petals orange.

DOUBLE.

- Anna Pfitzer**, flowers large; salmon pink.
- Andre Theuriet**, bright shade of magenta; very free bloomer.
- Galilee**, soft rosy-pink, flowers large; free bloomer.
- Gloire de Lorraine**, cherry red, flowers very large and double.
- Jeanne d'Arc**, white suffused with lavender.
- Lamartine**, orange-scarlet, very bright; flowers and trusses very large.
- Mad. Thibaut**, flowers very double, full and perfect in form; color rich deep pink; a strong, free grower.
- Robert Owen**, violet rose; very large flower.
- Souv. de Chas. Turner**, deep pink, feathered maroon in upper petals.
- Vice-President Joly**, soft pink, suffused blush.
- Veteran**, bright orange carmine, large truss and very large florets; free bloomer.

TRICOLOR—LEAVES FINELY VARIEGATED.

These Geraniums are much prized for the beauty of their foliage, which is very handsome. For culture in the house or conservatory, they are among the best.

- Mrs. Pollock**, flowers scarlet; 30 cents.

BRONZE.

The leaves of the Bronze Geranium show the most beautiful shades of yellow and bronze or brownish red, the foliage being as handsome as flowers. Each, 20 cents.

- Bronze Prince**, flowers salmon, foliage very showy.
- Marshal McMahon**, very vigorous, scarlet.

SILVER-LEAF—LEAVES WHITE MARGINED.

This class have marked leaves, the center being bright green, and the edges silvery-white. They are elegant plants for the house in winter, the foliage making a beautiful contrast. Each, 20 cents.

- Bijou**.
- Mad. Salleroi**.

PELARGONIUMS.

These are more commonly known as Lady Washington Geraniums. The flowers are large, with deep blotches on the upper petals, and bright spots on the lower. While in bloom during the months of May and June, they are very beautiful and ornamental, either as pot plants or in the garden. Although their time of blooming is short, their great beauty while in flower makes them very desirable; 25 cents each.



GLADIOLUS.

The Gladiolus is the most beautiful of the Summer or Tender Bulbs, with tall spikes of flowers, some two feet or more in height, often several from the same bulb. The flowers are of almost every desirable color, brilliant scarlet, crimson, creamy white, striped, blotched and spotted in the most curious manner. Set the bulbs from six to nine inches apart, and about four inches deep. Plant from middle of April to first of June. In the fall, before hard frosts, take up the bulbs, remove the tops, leave to dry in the air for a few days, and store in some cool place, secure from frost until spring. Although the new, high priced sorts are very fine, many older, cheap varieties are nearly or quite as good. Indeed, some of the comparatively old sorts are unsurpassed. Where the selection is left to us, we try to give the greatest amount of beauty for the least money.

The Gladiolus is becoming exceedingly popular in all parts of the world, and while no flower has shown such wonderful improvement in the twenty years past, none has shown such a rapid advancement in public favor. Our own seedlings often rival the most costly French sorts in beauty. We sell no flower with more pleasure, because we know that while those who have plenty of means can indulge in new, costly, and really magnificent varieties, those who have but little can secure a dozen bulbs that will be a delight and a joy through half the summer. Some kinds have a large, flat bulb, and others one that is small and somewhat conical. In fact, seedlings generally have the egg-shaped form.

A full and complete descriptive list of our grand named collection, embracing all the latest French novelties, will be mailed Free on application.

	Each.		Each.
Gladiolus Addison , dark amaranth with white stripes.....	\$ 10	Gladiolus Brencchleyensis , vermilion scarlet; fine old variety.....	10
Adonis , light cherry, lower petals yellow with crimson blotch.....	10	Brennus , crimson-maroon, white center tinged with blue, violet stripe on lower petals.....	25
Agatha , large flower; rose, orange-tinged, blazed with amaranth.....	10	Brunette , beautiful shade of carmine; blotch cream color, striped with purple, white line on each petal.....	10
Agrius , bright salmon, slightly feathered at the outer edge with vermilion; blotch cream color.....	20	Brutus , dark rose, flaked carmine, yellow throat, striped with violet.....	25
Amalthee , white, streaked with garnet, large garnet blotch.....	15	Bryant , rose, heavily striped and flaked with deep scarlet; blotch lemon color; each petal has a distinct white line; the whole flower has a rich velvety appearance.....	10
Ambroise Verschaffelt , carmine, garnet flamed.....	15	Calypso , flesh colored rose, blotched with carmine.....	10
Andromede , rose, slightly tinted with carmine, and streaked with white; large yellow blotch.....	20	Canary , light yellow, rose striped, sometimes pink.....	15
Antigone , delicate rose, flamed with carmine.....	15	Carnation , large flowers of a fleshy white color, tinged at the edges with rich carmine, the lower petals blotched purplish carmine.....	20
Asmodee , brilliant cherry-purple, edged and flamed garnet; blotch white, white line in each petal.....	15	Celime , light orange red, flamed with bright red.....	20
Benvenuto , orange red with white blotch.....	20		
Bertha Rabourdin , white, with light carmine streaks, and prominent carmine blotch.....	15		

Gladiolus Charlotte Cushman , brilliant scarlet, beautiful large white throat, white line in each petal.....	10
Chateaubriand , cherry rose, carmine streaked.....	15
Chloris , white ground, mottled with carmine, flamed with purplish carmine, lower petals blotched with carmine purple.....	35
Christopher Columbus , rosy carmine, flamed with red, violet red blotch on lower petals.....	15
Ciceron , dark rose, tinged with violet crimson, flamed with bright carmine, white throat.....	10
Colbert , cherry red, white blotch, white line in each petal.....	15
Coquette , cherry red, striped with delicate rose, white blotch.....	20
Daubenton , rosy lilac shading to bright rose, flamed with carmine, carmine violet blotch, white line in the center of each petal.....	35
Diamant , fleshy white, throat ivory white, blotched and streaked with carmine.....	25
Edwin Booth , rose, striped and flamed with brilliant scarlet; garnet stripe in throat.....	15
Eldorado , pure yellow, slightly striped with purple.....	20
Elvire , white, flamed with carmine.....	15
Etendard , large flower, white, blazed with lilac.....	15
Eugene Scribe , flower large and wide, rose, blazed with carmine red; very fine.....	10
Eva , white, slightly tinged with rose and pale lilac.....	20
Fanny Rouget , bright rose, striped with carmine.....	10
Fatima , ground, ivory-white, profusely striped with bright rosy-salmon, violet blotch on creamy ground.....	20
Fenelon , rose, violet-tinged, flamed with carmine.....	35
Galilee , brilliant currant-red, flamed dark crimson.....	20
Giganteus , large flower, rose shading to cherry, carmine blotch, whole flower marbled white.....	30
Holmes , clear rose, striped with darker rose, large white blotch, flushed with lemon.....	20
Ida , large flower, white, rose-tinted, blazed with carmine rose.....	10
Imperatrice , white, striped and dashed with carmine.....	10
Innocence , pure white. This we think is the first pure white Gladiolus ever offered. The flowers are not large, but very compact on the spike.....	1 50
Isaac Buchanan , fine yellow.....	15
James Carter , light orange red, very bright, with a large, pure white throat.....	10
John Bull , whitish, sometimes striped with lilac.....	10
Joconde , cherry rose, fringed bright carmine, streaked white, clear throat.....	20
La France , white, flamed with carmine toward the edges, amaranth blotch on creamy white ground.....	25
Le Phare , brilliant fiery red; very showy.....	25
Le Poussin , light red, white ground; very pretty.....	10
Le Vesuve , intense fiery red; rich.....	30
Lord Byron , brilliant scarlet, stained and ribboned with pure white.....	10
Lord Raglan , salmon, spotted with scarlet, dark garnet blotch.....	20
L'Ornement des Parterres , white ground blazed with lilac, rose, and carmine.....	20
Lowell , rose shaded with scarlet, a shade of garnet in the throat.....	20
Louis Van Houtte , velvety carmine, branches freely and flowers a long time.....	10

Gladiolus Mad. Monneret , delicate rose, carmine blotch.....	15
Margarita , white, suffused with dark crimson.....	15
Mars , beautiful scarlet.....	10
Matador , brilliant carmine red, striped and blotched pure white.....	20
Mazeppa , rosy-orange, striped with carmine.....	10
Meteor , dark red, brilliant, pure white stain.....	15
Meyerbeer , brilliant scarlet, amaranth red blotch.....	20
Mons. Legouve , fiery red, white blotch, white line in each petal.....	20
Murillo , cherry rose on light ground, white blotch, white line in each petal.....	25
Napoleon III. , bright scarlet, white line in each petal.....	15
Nelly , white, carminate rose, dark stain.....	10
Nestor , yellow, lower part darker, striped with red.....	35
Ophir , dark yellow, mottled with purple.....	15
Pactole , yellow, tinged with rose at the edges, blotch of darker shade.....	20
Panorama , lilac, shaded and mottled with brilliant carmine, throat creamy white, white line in each petal.....	20
Penelope , bluish white, lower petals tinted with yellow and streaked with carmine.....	15
Phedre , long spike, pure white, bordered and blazed with cherry rose.....	20
Phœbus , fire red, with large showy white blotch.....	20
Pictum , salmon scarlet, flaked with carmine.....	25
Princess of Wales , white, blazed with carmine and rose, stained with deep carmine.....	10
Queen Victoria , very large flower, pure white, stained with carmine; splendid.....	20
Reine Blanche , white, slightly feathered with crimson, garnet stripe in the throat.....	20
Richard Cœur-de-Lion , crimson red, flamed with garnet, lower petals spotted golden yellow.....	30
Romulus , brilliant dark red, large white blotch.....	15
Rossini , long spike, amaranth red, lined with white.....	30
Sappho , long spike, fine cherry, orange tinted, white blotch, striped bright red.....	15
Sylphide , white, flamed with carmine, large purple carmine blotch.....	10
Sylvie , white, edged with cherry rose, throat clear.....	20
Teresita , pure white, suffused with rose, and striped with carmine at the edges, lower petals pale rose blotched and striped with violet.....	20
Triumphans , cherry, shading off to currant red.....	20
Velleda , delicate rose, striped with light scarlet, lilac blotch.....	20
Zenobia , fine spike, rose, violet-tinted, blazed with dark carmine, center well lighted, white blotch edged with carmine.....	15

UNNAMED GLADIOLUS.

Very fine Mixed Varieties , of various shades of red, per dozen.....	50
Fine Mixed Varieties of light colors and white, per dozen.....	75
Fine Mixed Varieties , assorted colors, per dozen.....	50
Mixed Gladioli , assorted colors, per 100.....	3 00
Mixed Gladioli , light and white, per 100.....	5 00
Not less than 50 at 100 rates.	

These unnamed Gladioli are really very fine. Do not think they are poor because so cheap. We grow them all, and do not intend to have a poor one in the lot.

GLADIOLUS—SELECTED NAMED DOZENS.

There are many really fine varieties of Gladioli that are cheap compared with the prices of the new sorts, yet it is sometimes difficult to make a selection from descriptions alone. We are confident that selections made by ourselves when the beds were in their best condition, will give far better satisfaction than any the purchaser would be most likely to make from the most careful descriptions. When the Gladioli are in flower we spend several days making the best possible selections of dozens, endeavoring to give the very greatest amount of beauty for the least money. We therefore commend these dozens to those who do not feel confidence in their own judgment.

Collection No. 1.—12 named varieties.....	\$0 75
“ “ 2.—12 “ “.....	1 00
“ “ 3.—12 “ “.....	2 00
“ “ 4.—12 “ “.....	3 00
“ “ 5.—12 “ “.....	4 00

25 named in 25 varieties, one of each..... 2 00
50 named in 50 varieties, one of each..... 5 00
One half a collection at half price.

Seed from our named collection, package..... 20

HIBISCUS (Chinese)



CHINESE HIBISCUS.

Greenhouse shrubs, with dark glossy leaves, and large showy flowers; excellent for bedding out in summer. If grown in pots will flower well in the house during winter. Its flowers are truly gorgeous, very large and of the most brilliant colors; single or double; per doz., \$2.00; each 20 cents, except where noted.

Hibiscus Dennisonii, very light rose, changing to almost pure white; fine.

Collerii, flowers buff-yellow, with a crimson-scarlet base; a remarkable and distinct variety.

Cooperii tricolor, foliage beautifully variegated with dark green, pink and white; flowers crimson.

fulgidus, very large; carmine scarlet; at the base of each petal is an oblong blotch of deep crimson.

grandiflorus, crimson and scarlet.

Lambertii, rich, deep scarlet; fine.

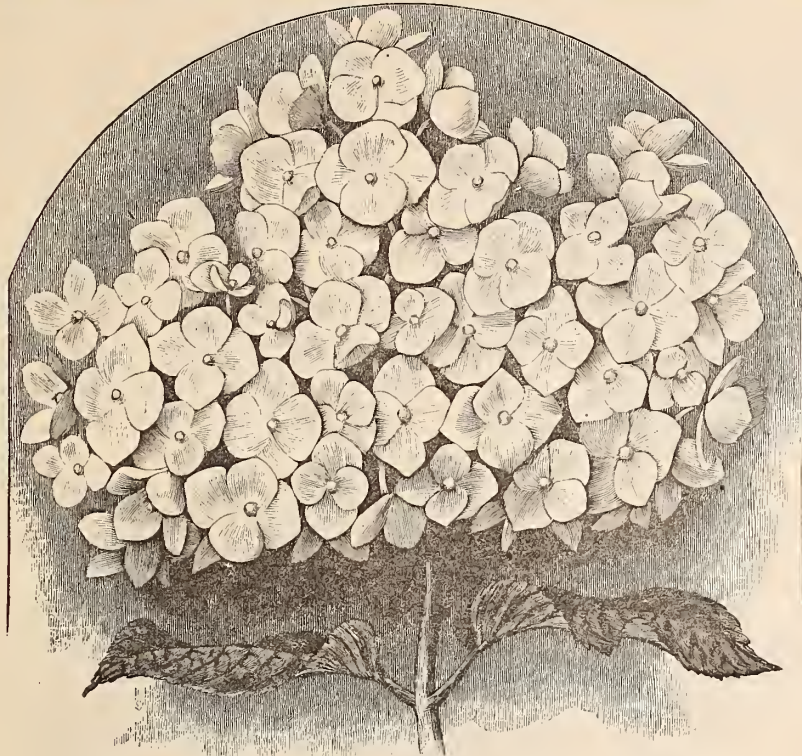
miniatius semi-plenus, double, vermilion scarlet; very showy.

Schizopetalus, new; beautiful and distinct variety; pendulous orange-red lacinated flowers; 35 cents.

sub-violaceous, double, clear carmine, tinted violet.

Yellow Gem, double, yellow.

zebrinus, double, outer petals scarlet, edged with yellow; inner petals very irregular and curiously variegated with pale yellow and scarlet.



HYDRANGEA.

HYDRANGEA.

The Hydrangeas are well-known, favorite plants. Hardy south of Philadelphia; grown at the North as pot plants; their immense heads of bloom make them very conspicuous. A little shade and plenty of water seem to meet all their needs. They can be put in the cellar in the fall. For decorative plants on a piazza or porch, few plants are more desirable. One each side of the front door steps make a fine effect. Each 25 cents, except where noted.

- Hydrangea rosea**, the flowers of this variety are a beautiful rosy-pink, very handsome.
- hortensis**, the old variety, producing bright pink flowers.
- Otaksa**, a Japanese variety, with immense heads of pale pink bloom.
- stellata fimbriata**, the flowers are formed in large trusses, and are of the purest white; each floret is neatly fringed, and has a distinct crimson spot in the center; a very beautiful variety; each, 30 cents.
- Thomas Hogg**, a pure white variety, with heads as large as the pink; a most beautiful and ornamental shrub.
- Japonica**, white outside, with rosy pink center.

OLEANDER.

An old-fashioned shrub grown as a pot plant, with a profusion of large flowers.

- Oleander Luteum novum**, pale sulphur; single..... 25
- Madonna grandiflora**, white; double..... 50
- Prof. Durand**, white, with yellow throat; semi-double..... 40
- Single White**..... 25
- Double Pink**, the old variety..... 20
- Flavum Duplex**, double yellow..... 60

HELIOTROPE.

Well-known plants; grown for their exquisite fragrance. They make handsome plants when bedded out, blooming moderately through the summer, and in great profusion early in the fall. They are also very desirable for house culture, a single plant filling a whole room with perfume. Each 15 cts.; \$1.50 per dozen, except where noted.

- Heliotrope Albert Delaux**, foliage irregularly blotched and marked yellowish-green; flowers light lavender, novel, and pretty.
- Lady Cook**, dark violet.
- La Renommee**, flowers lavender color, with prominent white eye.
- Louise Delaux**, rose, shaded with violet.
- Mrs. David Woods**, semi-double, rich dark purple; white eye; splendid for cutting.



HELIOTROPE.

- Mrs. Lewington**, very dark purple.
- Mad. de Blonay**, pure white.
- Maculata**, purple, white eye.
- Mad. Bruant**, lilac, large white eye.
- President Garfield**, a beautiful shade of lavender.
- Queen of the Violets**, deep violet-purple, large white eye.

JASMINE.



The Jasmine is a favorite green-house or house plant everywhere. It is the idol of the poets and one of the sweetest flowers; 25 cents each.

- Jasminum grandiflorum**, foliage fine; flowers white, star-shaped, and very fragrant, blooming from November till May, easy of culture.
- revolutum**, a half climbing plant with thick evergreen foliage, flowers bright yellow, very fragrant.

LEMON VERBENA.

A shrubby plant, with light green, fragrant leaves, and lilac tinted flowers. An old favorite. **Lemon Verbena (Aloysia citriocora)**, each..... 20

LANTANA.

The Lantana is of easy culture; its free-flowering qualities make it very desirable for the house. They can be trained in almost any desired form, and are almost continuously in bloom. The flowers are small, in clusters; 20 cents each; \$2.00 per dozen.

- Lantana alba perfecta**, pure white.
- Colibri**, intense deep crimson.
- elegantissima**, very light yellow.
- Harkett's Perfection**, a pink flowered variety, with fine variegated foliage.
- Le Patriote**, deep yellow, large flowers and truss.
- Lina Entiger**, straw color.
- Marcella**, lilac rose, changing to yellow.
- Snowball**, white.

OXALIS.



OXALIS FLORIBUNDA.

An ever blooming variety, excellent for pots and baskets; leaves three-parted, flowers in clusters, half an inch or more in diameter.

- Oxalis floribunda alba**, per dozen, \$1.00; each..... 10
- rosea**, per dozen, \$1.00; each..... 10

OTHONNA.



OTHONNA.

A charming basket plant, with cylindrical leaves and pretty star-shaped, yellow flowers, blooming almost constantly. Habit drooping, and should be always grown in a hanging pot, basket, or on a bracket. Its foliage is fleshy, like that of the Mesembryanthemum, but delicate and graceful, and makes a rapid growth, drooping several feet below the basket.

Othonna crassifolia, plants, each... 20

PASSION FLOWER.

These beautiful climbers are so varied in the marking, and color of their flowers, that it would be useless to attempt to describe them. Therefore we merely give the predominating color of each variety. They are very desirable for the house or conservatory, and succeed well with ordinary treatment.

- Passiflora cœrulea*, blue..... 25
- Constance Elliott*, nearly white, fine
- Eynsford Gem*, a beautiful sort particularly adapted for culture in the greenhouse or conservatory. The flowers are produced in great abundance. Color rosy-purple, shaded lighter in the center, each 50
- Pfordti*, purple..... 25
- Smithi*, carmine..... 25

TIGRIDIA.



TIGRIDIA.

The flowers of Tigridia are about four inches in diameter. Set about the middle of May, and take them up in October, dry for a few days in the air, and pack away in dry sand or sawdust, free from frost.

- Tigridia conchiflora*, yellow and orange, with dark spots; 75 cents per dozen; each 10
 - pavonia*, red, crimson spots; 75 cents per dozen; each 10
 - grandiflora alba*, a beautiful variety with large showy white flowers, marked at the base of each division with spots of a reddish brown color, on yellow ground; \$1.50 per dozen; each 15
- The set, one each, 25 cents.

PETUNIA.



PETUNIA.

Few plants give better satisfaction where a mass of flowers is desired than the Petunia, especially the single varieties. They flower from the time they are planted in spring, until killed by frost. The double varieties are very fine, but do not flower as freely as the single.

Petunia, Double, per doz. \$2.00; 20 cts. each.
Single, per doz., \$1.50; 15 cents each.

PRIMROSE, CHINESE.

Few house plants afford better satisfaction than this. It requires to be kept cool, a north window suiting it best. Care should be taken in watering that no water falls on the buds, as it causes them to rot. In the summer they can be turned out into a shady border. The plants should be divided, if wanted for the next winter, put into small pots, and kept shaded until well rooted; then, as they grow, re-pot, using a size larger pot.

- Primrose, Single White*..... 25
 - Single Pink*..... 25
 - Double White*..... 50
- Primula obconica*, a perpetual blooming Primrose, bearing quite large trusses of flowers on long stems well above the foliage; color pale lilac shading to white. The plant requires a cool temperature, and is of easy culture..... 25



EYNSFORD GEM.

TUBEROSE.

The Tuberose is a beautiful, pure white, wax-like very sweet scented, double flower, growing on tall stems, each stem bearing a dozen or more flowers. In cold latitudes, obtain tubers early, plant them in boxes of earth, and keep in a warm place in the house; when warm weather, transplant to the garden. Those who want this beautiful flower in early winter, can



TUBEROSE.

plant a few bulbs in pots in July or August, sink them to the rim in earth in the garden, where they can remain until the cool nights of

autumn, then remove to the house. Our Tuberoses are all of our own growing, and splendid bulbs.

- New Dwarf Tuberose, "Pearl,"* per dozen, 75 cents; half-dozen, 40 cents; three tubers, 25 cents; each 10

SALVIA (Flowering Sage).

No plant grown gives us such a brilliant display of flowers in the autumn as the Salvia. Splendid for pot culture in the house; 20 cents each.

- Salvia Bruantii*, dwarf, flowers large, rich dark red,
- leucantha*, base of tubes rosy-mauve, upper part of tubes pure white.
- marmorata nana*, of neat dwarf habit; flowers alternately marked scarlet and white.
- Mons. Issanchou*, flowers scarlet and white; a strong, robust grower.
- Mrs. Stevens*, this variety is identical with *Salvia splendens*, except the color, which is deep crimson.
- splendens*, the old scarlet variety.

TRADESCANTIA.

The Tradescantia (often called Wandering Jew), have beautifully marked foliage, and are fine for hanging baskets and vases, or for house culture, as they will endure almost any hardship.

- Tradescantia zebrina*, leaves dark green, with a silvery stripe..... 20

ROSES.

In the list below we give the ever-blooming class, comprising Teas, Noisettes, Chinas and Bourbons. Even so far North as this they give us better satisfaction than any other class of Roses,—first, on account of their free blooming qualities; then their exquisite fragrance and delicate colors. Some are almost hardy here, and do well if slightly protected with leaves or straw, while a little further south they stand the winters with no protection whatever. If the plants are taken up in the fall and trimmed back, and put in earth in a box, in a cool cellar, with just water enough to keep them from shriveling, they will come out fresh in the spring, and start into bloom in a very short time. As pot plants for winter, varieties should be selected that are adapted to the purpose. These should be kept in pots through the summer, care being taken that they do not root through the bottom of the pot. Keep the buds picked off through the summer. All Roses delight in a rich soil.



For List of Hardy Roses see page 41.

MONTHLY ROSES.—Fine strong plants, 15 cents each; \$1.50 per dozen; \$10.00 per hundred; 25 plants at hundred rates; except where noted.

Initial letters are as follows to indicate classes: *t.* Tea; *cl. t.* Climbing Tea; *c.* China; *b.* Bourbon; *n.* Noisette.

- Rose Agrippina, bright crimson. *c.*
- Aurora, silvery rose. *t.*
- Abbe Girardin, soft, satiny rose, shaded darker in the center. *b.*
- Alfred Aubert, bright red, fine shade. *b.*
- Admiral Rigney, red, tinged with crimson. *n.*
- Archduke Charles, rosy-crimson. *c.*
- Bella, white. *t.*
- Beau Carmine, light rose. *c.*
- Bon Silene, carmine tinted with salmon. *t.*
- Bougere, bronze-pink; large and full. *t.*
- Comtesse Horace de Choiseul, delicate rose, shaded with coppery yellow; large, full, and finely formed. *t.*
- Comtesse Riza du Parc, bright coppery rose, tinged with soft violet crimson; large flower. *t.*
- Coquette de Lyon, pale yellow, flower medium size. *t.*
- Catharine Mermet, flesh color; flowers large, buds finely formed; very fragrant. *t.*
- Charles Rovolli, carmine-rose; flowers large. *t.*
- Cloth of Gold, deep yellow center, with sulphur edges; fine for the South. *n.*
- David Pradel, lilac-rose; large. *t.*
- Duchesse de Brabant, light carmine, tinged with violet. *t.*
- Douglas, rich crimson, distinct. *t.*
- Duchess of Edinburgh, intense glowing crimson; very brilliant and beautiful. *t.*
- Etoile de Lyon, beautiful deep yellow; flowers large and fine shape; an abundant bloomer. *t.*
- Francisca Krueger, coppery-yellow, shaded with peach; large and full. *t.*
- Gen. Tartas, deep rose, shaded salmon. *t.*
- Gloire de Dijon, cream, shaded with flesh. *t.*
- Gerard Debois, bright red, fine form. *t.*
- Hermosa, pink. *b.*
- Homer, salmon-rose, often mottled. *t.*
- Isabella Sprunt, canary yellow. *t.*
- James Sprunt, crimson; flowers large and full. *c.*
- Jules Finger, bright rosy scarlet, beautifully shaded with crimson; flowers full and finely formed. *t.*
- La Princess Vera, rich ivory white, shaded with coppery yellow, veined with pale blush and carmine. *t.*
- Louis Richard, coppery rose, changing to buff, shaded with carmine, center sometimes brilliant rosy crimson. *t.*

- Rose La Pactole, pale lemon. *t.*
- Lamarque, white, shading to lemon. *n.*
- Lucullus, dark crimson maroon, large and fragrant, fine for out-door culture. *c.*
- Madame Camille, delicate rosy flesh, changing to salmon. *t.*
- Mad. de Vatry, rich crimson-scarlet, very bright. *t.*
- Marechal Niel, yellow, tea-scented. *n.*
- Marie Guillot, white, with lemon tinge. *t.*
- Marie Lambert, creamy-white; flowers medium size; very free bloomer. *t.*
- Marquise de Vivens, edge of outer petals bright carmine, center and base of petals creamy yellow; flowers large, full and sweet. *t.*
- Madame Caroline Kuster, orange yellow. *n.*
- Mad. de Watteville, creamy-white, shading to bright salmon, outer edge of petals bright rose; very fine. *t.*
- Mad. Welche, pale yellow, center coppery-yellow; large and full; 25 cents. *t.*
- Mad. Honoree Defresne, beautiful deep yellow, reflexed with copper; vigorous. *t.*
- Mlle. Claudine Perreau, flowers large, full and perfectly double, color beautiful rosy flesh, passing to clear pink, with a rich crimson center; very fragrant. *t.*
- Mlle Mathilde Lenerts, bright pink, tinged with white. *cl. t.*
- Marie Van Houtte, white, tinged with yellow, and shaded pale rose. *t.*
- Monthly Cabbage, a fine old variety; bright rosy-pink; flowers remarkably full and fragrant. *c.*
- Mlle. Marie Berton, pale yellow, somewhat fragrant, very fine. *t.*
- Marechal Robert, pure white, tinged and shaded blush and pale lemon-yellow; very double. *t.*
- Mad. Joseph Schwartz, blush, edged carmine. *t.*
- Mad. Pauline Labonte, salmon-rose; good in the bud form. *t.*
- Mons. Furtado, yellow; flowers medium size, well formed and full. *t.*
- Niphotos, pure white; very large; extra. 20 cents. *t.*
- Papa Gontier, brilliant carmine, changing to pale rose, reverse of petals purplish-red; large, well formed buds. *t.*
- Perle des Jardins, rich shade of yellow, very perfect in form, free grower, and very profuse bloomer. 20 cents each. *t.*
- Phoenix, rosy-purple, quite hardy. *b.*
- Princess de Sagan, dark velvety crimson, shaded purple, with amaranth center; flowers large, finely cupped and highly scented; very free bloomer. *t.*
- Queen's Scarlet, rich, dark crimson; free bloomer. *c.*

- Rose Reine Maria Pia, rose, center reddish crimson. *t.*
- Red Malmaison, bright glowing crimson; flowers full and perfectly formed. *b.*
- Rubens, white, shaded with rose; buds long, large and full; fine. *t.*
- Saffrano, saffron-yellow. *t.*
- Sanguinea, deep crimson. *c.*
- Sombreuil, creamy-white, often tinged with pink. *t.*
- Souvenir de David, crimson, large and fragrant. *c.*
- Souvenir de la Malmaison, pale flesh; large. *b.*
- Souvenir d'un Ami, rose, tinged with salmon; large, full, and very fragrant. *t.*
- Souvenir de Victor Hugo, bright rose, with coppery-yellow center, outer edge of petals suffused with carmine; buds large and handsome. *t.*
- Sunset, a sport from Perle des Jardins. The flowers are a beautiful saffron color, heavily tinted with orange. They are handsome in the bud, and on opening are full, and perfectly double; 20 cents. *t.*
- Suzanne Blanchet, rose, tinted flesh color; large and of fine form; very fragrant. *t.*
- The Queen, a large pure white free blooming Tea, the offspring of that fine old Rose, Souvenir D'un Amie, whose many good qualities it seems to possess in a remarkable degree. It is a continuous bloomer, producing successive crops of buds and flowers in great profusion. It is pure snow white, makes good, finely formed buds, is quite full, showing the center but slightly when fully open, petals thick and of good substance, opens well, is very sweet, and we believe will prove valuable both for forcing and open ground planting. *t.* Each, 30 cents.
- Therese Lambert, delicate rose color, base of petals finely tinged with old gold, center pale silvery salmon; flowers large, full and fragrant. *t.* Each 30 cents.
- The Bride, this is a sport from Catharine Mermet, and is similar to that variety, except in color. The flowers are large, pure white and fragrant. *t.*
- Triomphe de Luxembourg, coppery rose, large and full. *t.*
- Vicomtesse de Wautier, bright rose, tinted with yellow and rosy-white; large and full.
- Washington, white cluster; quite hardy. *n.*
- White Bon Silene, pale lemon-yellow, shading to creamy-white; very fine. *t.*
- White Perle, a sport from Perle des Jardins; color creamy-white; very fragrant. Each, 30 cents.

POLYANTHA ROSES.

This class is a distinct one. For many purposes its varieties are excellent. They are continuously in bloom; desirable for house culture. The flowers are produced in clusters, and, although not large, are very perfect and handsomely formed. They are also excellent for bedding out, producing a profusion of bloom, and requiring but slight protection for winter; per dozen, \$1.50; each, 15 cents.

- Rose **George Pernet**, flowers medium size, very full, with fine imbricated petals; color buff rose, delicately shaded lemon and fawn; fine.
- Little White Pet**, very light pink or blush on opening, but changes to pure white.
- Miniature**, flowers small; pure white, very fragrant.
- Mignonette**, rose, changing to blush; clusters very large; flowers small and delicate.
- M'lle Cecile Brunner**, salmon-pink, deeper in the center; flowers small, a beautiful miniature Rose.
- Paquerette**, pure white, full and prettily formed.
- Perle D'Or**, saffron-yellow, tinged copper color; very double.

The set for 80 cents.

For List of Hardy Roses see page 41.

VERBENA.

The Verbena is one of the prettiest, and the most popular of all the flowering plants suitable for forming beds on the lawn. It commences to flower and spread from the first day the plants are set until late in the autumn, every day becoming better and more handsome. The improper growing of plants has checked the popularity of this useful flower to some extent, for it has been difficult in many places to procure healthy plants. A healthy plant will cover a space three feet in diameter. Our plants are grown with care, and are as robust as seedlings. Our Verbena plants are the strongest and healthiest in America.

Named varieties, each, 10 cents; per dozen, \$1.00; per hundred, \$6.00.



VERBENA.

- Verbena Azurea**, light blue.
- Belle de Baum**, apple blossom.
- Chimera**, reddish purple, white eye.
- Constellation**, scarlet, white eye.
- Croupier**, blue, white eye.
- Dictator**, violet purple, large white eye.
- Eclipse**, maroon, white eye.
- Ellen Terry**, fine pink, large white eye.
- Ermine**, white.
- Firefly**, bright scarlet, shaded crimson.
- Idol**, rosy-lilac, white eye.
- Lotta**, white, heavily striped and flaked scarlet.
- Lucida**, clear scarlet.
- Mary Anderson**, light red, shaded rose.
- Medallion**, mottled chocolate and purple, white eye.
- Mrs. Harrison**, rosy-pink.
- Modjeska**, clear white.
- Octoroon**, maroon.
- Romeo**, mulberry.
- Rosetta**, magenta, white eye.
- Rubra**, light red.

- Verbena Sir Montefiore**, deep rose, very large flower.
- Viola**, violet-purple.
- Vizard**, white, striped and mottled blue.
- Warrior**, bright crimson.

SEPARATE COLORS.

We have made the following selection of colors to accommodate those who wish plants for bedding purposes only, and are indifferent as to names. They are equally as good as our named sorts, but we grow them in such large quantities that it enables us to offer them at much lower rates. Plants, each, 10 cents; per dozen, 75 cents; per hundred, \$5.00.

- Red, White, Blue, Scarlet, Pink, Purple, Maroon, Striped.

UNNAMED SORTS.

Fine assortment of colors. Plants, each, 10 cents; per dozen, 60 cents; per hundred, \$4.00.

WAX PLANT.



WAX PLANT.

- Wax Plant (Hoya carnosa)**, a greenhouse climber, with thick, glossy leaves, and umbels of flesh-colored flowers..... 25
- globulosa**, flowers bright straw color; the trusses are large, and freely produced; leaves shining green color, with dark veins..... 25

MISCELLANEOUS LIST.

- Amaryllis Valotta purpurea**, throws up a flower stem about twelve inches in height, bearing from four to eight brilliant purplish scarlet flowers; a fine pot plant; bulbs, each..... 50
- Johnsoni**, an elegant pot plant, with crimson flowers five inches in diameter; each petal striped with white. Flower-stalk two feet high, with clusters of three to five blooms; bulbs, each..... 75
- formosissima (Jacobean Lily)**, flowers dark crimson; 8 to 10 inches high. The bulbs are dormant during the winter..... 30
- Atamasco alba**, flowers upright, with broad petals, pure white; each.... 15
- Agapanthus umbellatus**, flowers a lovely shade of blue..... 30
- albus**, pure white flowers, very rare.... 50
- variegatus**, flowers blue, foliage prettily marked with white..... 50
- Anthericum vittatum variegatum**, has long spikes of small, white, star-shaped flowers, which are very effective; fine for hanging baskets..... 20
- picturatum**, similar to A. vittatum, except the markings, which are reversed..... 30
- Aspidistra lurida**, leaves 1 foot long and 3 inches wide; very effective..... 25

- Campsidium filicifolium**, an elegant climber, of rapid growth; fine for conservatories; foliage fern-like..... 25
- Calceolaria Creole Queen**, brown maroon..... 25
- Shower of Gold**, yellow..... 25
- The Czar**, brownish maroon..... 25
- Gestrum, or Night Blooming Jasmine**, aurantiacum, orange yellow..... 25
- Parqui**, flowers greenish white..... 25
- Cineraria Maritima**, a white foliage plant, with deeply cut leaves, somewhat similar to Centaurea, but more vigorous in growth; fine for borders; per dozen, \$1.50; each..... 15
- Clerodendron Balfourii**, The Clerodendron is one of our most beautiful plants for hot-house culture, with large clusters of crimson-scarlet flowers, each flower encased in a bag-like calyx of pure white. It can be trained as a shrub also, and makes a very showy pot plant, blooming, as it does, almost continuously in the winter; each..... 25
- Cuphea platycentra (Cigar Plant)**, tube of flowers scarlet, lip white and black..... 15

- Cuphea Hillfieldiana**, flowers crimson and maroon; compact habit; very fine..... 15
- Cyperus alternifolius**, a grass-like plant, surrounded at the top with a whorl of leaves..... 25
- Cobæa scandens**, a handsome climber, with large purple flowers..... 25
- Crape Myrtle, Pink**, a very handsome shrub, hardy in the Southern States, flowers very freely, almost concealing the plant with blossoms. In the North the plants may be wintered in a cool, dry cellar..... 25
- Daphne Indica**, a handsome evergreen shrub, growing from three to six feet high, each..... 30
- Dracæna terminalis, or Dragon Tree**, foliage dark crimson, marked with pink; each..... 50
- indivisa**, with narrow, grass-like foliage..... 50
- Echeveria retusa floribunda**, leaves green, flowers rosy pink..... 20
- Hoveyi**, foliage beautifully striped the entire length with cream and white..... 30
- secunda**, foliage greyish blue..... 20
- glauca**, foliage bright green..... 20
- Feverfew, Aurea or Golden**, with bright yellow foliage; very much used for edgings of beds..... 15

Feverfew Little Gem , a new dwarf variety, growing only from eight to twelve inches in height. The flowers are large and of the purest white.....	15
Ficus elastica , or Rubber Tree , with thick shining, leathery leaves, ten inches long by three wide; an excellent and showy pot plant.....	50 to 1 50
repens , a fine creeper for greenhouse, or outside decoration in the South.....	25
Parcelli , a very showy foliage plant, with large green leaves, marbled and blotched with white.....	30
Ivy German , or Parlor , with smooth, glossy, light green leaves; a very rapid grower.....	15
Laurestinus (Viburnum tinus) , an elegant evergreen shrub for the South, and also for house culture at the North, producing all winter a profusion of white flowers. It should be grown in a moderately cool place.....	15
Madeira Vine , a beautiful climber, flowers white, small, in long racemes, roots, per doz. 75 cents; each.....	10
Mahernia odorata , a fine foliaged pot plant, of easy culture; yellow, bell-shaped flowers; fragrant.....	20
Myrtus communis , flowers white, single.....	20
communis fl. pl. , flowers white, double.....	25

Oxalis lasiandra , this Oxalis is one of the prettiest plants we are acquainted with for borders of beds, edgings of walks, etc.; bulbs, per doz., 10 cts.; per 100.....	50
Deppii , another excellent Oxalis for summer borders and edgings. It bears but few flowers, but the leaves are handsome enough to compensate for the lack of flowers; per pint, 50 cents; per half pint, 25 cents; per doz.....	10
One pint is sufficient for fifty feet of row.	
Ortgiesi , a variety from Peru, growing a foot or more in height, like a small tree in shape. The upper side of the leaf is a rich olive-green, the under side purple. Constant bloomer. Flowers a good yellow; plants, each.....	20
Pentstemon , Gyp , throat white, veined and bordered with red; lobes clear wine color.....	20
Jules Claritie , orange red, throat white, veined carmine; very large.....	20
Pilea serphyllifolia (Artillery Plant) , with very small pinkish-white flowers. When the flowers are ready to expand, the least moisture causes them to burst.....	20
Pomegranate (James Vick) , dwarf. This beautiful plant blooms profusely from July to October. Flowers bright orange scarlet; plants should be removed to the cellar in the fall, and remain dormant until spring.....	20

Pilogyne suavis , a beautiful, rapid-growing climber; excellent for screens or verandas; in fact, for the latter it has no equal. Fine also for the house in winter.....	20
Plumbago Capensis , very pretty plants, producing large heads of light blue flowers.....	25
Reineckea carnea , a dwarf, grass-like plant, with purple flowers.....	25
Rivinia humilis , a beautiful little pot plant, with racemes of small white flowers, followed by scarlet berries.....	20
Rhynchospermum jasminoides , a handsome climber, with white Jasmine like flowers, that are very fragrant and produced freely during spring months.....	25
Smilax , a popular and well-known climber, with beautiful foliage of a dark glossy green, used largely with cut flowers, particularly wreaths, &c. An excellent plant for parlor or window culture.....	15
Tritoma Uvaria , flower stems grow from four to five feet in height, surmounted by a spike of curious red and orange flowers, a foot in length.....	20
Veronica Blue Gem , dwarf, flowers light blue, in spikes 3 to 4 inches long.....	20
variegata , foliage margined with white.....	20
Vinca (Periwinkle) Harrisonii , center of leaves marked with light green.....	20
major variegata , a rapid grower; leaves glossy green, margined with white.....	20

PLANTS FOR ORNAMENTAL BEDS.

As beds of Scarlet Geraniums, Verbenas and Ornamental-leaved plants are so popular, making bandsome and enduring beds from June until frost, we offer the most popular kinds for making these beds at a very low price. We can ship as soon as the weather becomes mild in the spring, but there should be no haste in setting such plants out, certainly not until the nights are warm. It is a custom in some places to raise flower beds in the center, but it is not a good plan in a warm, dry climate, unless water is abundant, so that the bed can be showered every evening, for they dry out much quicker than flat beds, and are not desirable. Our people have copied this plan from moist, foggy countries. When beds are made of several varieties of plants, and one or more grow so rapidly as to make the bed uneven, the rapidly growing sort can be kept pruned back. In circular beds it is always best, of course, to place the tallest growing plants in the center, as it is in all beds that are viewed from all sides, but a bed that is only seen from the front, like a border, having a hedge, or something like it for a background, should have the back row of plants the tallest, and the front ones the shortest.

The proper distance for setting Bedding Plants is twelve inches apart, except Verbenas, which should be eighteen inches, and Alternanthers which should be only six inches. It is easy, therefore, to ascertain how many plants are needed for a bed of any dimension. The bedding system of gardening has been popular for some years, and certainly has its advantages. Plants are selected for this purpose that will keep

in blossom the whole season, and the flowers of which will bear the sun without injury. By this plan, therefore, the beds, if well made, always look neat and beautiful.

POPULAR BEDDING PLANTS.

Plants in quantities, for bedding, packed and shipped, by Express, the purchaser to pay the charges, at the following prices:

	PER DOZ.	100
Achyranthes	\$1 00	\$ 7 00
Alternanthera	1 00	7 00
Caladium Esculentum	1 50	10 00
Cannas	1 50	10 00
Centaureas	1 00	7 00
Coleus	1 00	7 00
Eheverias	1 00	7 00
Feverfew Golden	1 00	7 00
Geraniums	1 00	8 00
Ricinus	1 50	10 00
Verbenas	50	3 50

PLANTS AND BULBS In \$1.00 Collections.

BY MAIL, POSTAGE PAID BY US.

These collections we offer for the benefit of the retail trade, and pride ourselves on the success in giving perfect satisfaction in the past. Each plant is well-grown, carefully labeled, and in good, thrifty condition. We will send one half of any two collections at the same price as one. In all cases the selection of varieties must be left with us. If those ordering prefer to have them sent by express and pay the charges, we will furnish any THREE of the follow-

ing collections for \$2.00, and any five for \$3.00.

10 Abutilons	\$1 00
10 Achyranthes	1 00
12 Ageratums	1 00
12 Alternanthera	1 00
12 Basket Plants	1 00
10 Begonias	1 00
12 Carnations, Monthly	1 00
12 Chrysanthemums	1 00
12 Coleus	1 00
10 Fuchsias	1 00
10 Geraniums	1 00
12 Gladiolus, named	1 00
25 Gladiolus, fine mixed	1 00
8 Hardy Shrubs and Climbers	1 00
12 Heliotropes	1 00
10 Hibiscus	1 00
8 Hydrangeas	1 00
10 Ivies, assorted	1 00
10 Lantanas	1 00
10 Perennials, assorted	1 00
10 Perennial Phlox	1 00
8 Roses, Hybrid Perpetual	1 00
10 Roses, Monthly	1 00
8 Roses, Climbing	1 00
8 Roses, Moss	1 00
10 Salvias	1 00
15 Tuberoses	1 00
20 Verbenas, assorted	1 00
16 Verbenas, best named	1 00
20 Blackberries	1 00
20 Currants, 3 varieties	1 00
6 Grapes, 1 year, assorted	1 00
5 Grapes, 2 years, assorted	1 00
25 Raspberries, Red	1 00
20 Raspberries, Black	1 00
16 Raspberries, Yellow	1 00
75 Strawberries, 3 varieties	1 00

SMALL FRUITS.

We pack carefully, and guarantee their safe arrival to destination, after which our responsibility ceases. All plants will be sent by Mail or Express, at the expense of purchaser, except as noted. Not less than 250 plants at thousand rates.

STRAWBERRIES.

For field culture, plant in rows four feet apart, with the plants one foot apart in the row. For garden culture, plant three by one foot. Should the ground not be prepared for planting, on receipt of plants, they should be carefully heeled in, in a cool, moist, shady place. Do not sprinkle the foliage, as it causes a moisture to collect, which is very injurious to the crowns, causing them to rot. In setting the plants, be careful to have the crown even with, or a little above the surface of the ground, and to have the trench, or hole, in which the plant is to be set, deep enough to allow the roots their full length. Some varieties of Strawberries have pistillate or imperfect flowers. These must have perfect-flowered varieties planted every fifteen or twenty feet among them or they will produce imperfect fruit. The pistillate varieties are marked with the letter P.

At dozen prices we prepay postage: at 100 rates add 25 cents per 100 for mailing, if wished by mail.

- Strawberry Belmont**, new; medium to late; fruit large, firm and sweet, oblong, frequently cox-comb shape; color dark crimson; quite firm; a very promising variety; doz. 40 cents; hundred \$1.25; thousand \$6 00
- Burt Seedling**, new; fruit medium size; very firm; of fine color and excellent quality. The plant is a strong grower, with clean dark foliage, and very productive; doz. 40 cents; hundred, \$1.00; thousand 5 00
- Cumberland Triumph**, very large; smooth and uniform in size; light scarlet, very attractive and of good quality; ripens early and lasts a long time; doz. 30 cents; hundred, \$1.00; thousand 5 00
- Cloud Seedling**, new (P.) a variety of recent introduction from the South, where it is extensively grown as a market variety for shipping North. The plant is a very vigorous grower, forming large stools, and is said to be exceedingly productive. The fruit is large, uniform in size and shape, of fine quality and very handsome. We have not fruited this variety, but the plants have done admirably with us the past season; dozen, 40 cents; hundred, \$1.00; thousand 5 00
- Crescent Seedling** (P.) bright scarlet, strong grower, exceedingly productive; ripens early and lasts a long time; dozen, 30 cents; hundred, \$1.00; thousand 5 00
- Chas. Downing**, medium early, bright crimson, of superior quality; a good variety for home use or near market; doz. 30 cents; hundred, \$1.00; thousand 5 00
- Manchester** (P.), medium to late; average size large; of a bright scarlet color, good quality and very productive; doz. 30 cents; hundred, \$1.00; thousand 5 00
- James Vick**, fruit medium size, bright scarlet turning to crimson, and borne on long, stout stems, that keep the larger portion of the fruit from the ground. It is a heavy yielder; the color is the most desirable that a Strawberry can have for marketing, and the fruit may be allowed to remain on the vines long after it is ripe without injury. The plant is a strong, vigorous grower, and requires close culture to produce the best results; doz. 30 cents; hundred, \$1.00; thousand 5 00
- Jessie**, new; a seedling from the Sharpless; fruit large, well formed, and of a bright red color; plant a strong grower with good, healthy foliage; a very promising variety; doz. 40 cents; hundred, \$1.25; thousand 6 00
- Sharpless**, medium to late; of extraordinary size; clear light red, with a smooth shining surface; irregular in form; very vigorous, productive, and of the finest quality; doz. 30c.; hundred, \$1.00; thousand, 5 00
- Parry**, new; a vigorous grower; fruit large, bright glossy scarlet, firm, and of excellent quality; very productive; dozen, 40 cents; hundred, \$1.25; thousand 6 00



STRAWBERRIES—BELMONT.

Strawberry Wilson's Albany, early; this is undoubtedly the most popular Strawberry in cultivation, and too well known to need any description; it is still a great favorite, and will be for many years to come; dozen, 30 cents; hundred, \$1.00; thousand \$5 00

RASPBERRIES -- Red.

If by mail, add 10 cents per dozen.

For field culture plant in rows about five feet apart, with plants three and a half feet in the row, except Cap varieties, which should be six feet by three and a half feet. For garden culture they may be set three feet apart each way, with Caps four by three feet.

- Raspberry Brandywine**, very popular as a market variety on account of its high color and firmness; doz., 50 cents; hundred, \$1.50; thousand 10 00
- Cuthbert**, a most valuable late variety for home use or marketing; large, firm, and of superior quality; very productive; doz. 50 cents; hundred, \$1.50; thousand 10 00



RASPBERRIES—CUTHBERT.

- Raspberries Hansell**, new; very early; fruit medium to large; bright crimson, firm, and of excellent quality; a strong, vigorous grower, very productive and hardy; dozen, 50 cents; hundred, \$1.50; thousand..... \$10 00
- Herstine**, early; very bright red; moderately firm, and of high, rich flavor; dozen, 50 cents; hundred, \$1.50; thousand..... 10 00
- Marlboro**, new; an excellent variety; fruit very large; firm; a beautiful scarlet color; ripens early, and continues in good bearing a long time. The plant is a strong, vigorous grower, and thus far has proved perfectly hardy; dozen, 50 cents; hundred, \$1.50; thousand..... 10 00
- Shaffer's Colossal**, medium to late; fruit very large, quite dark, but of excellent quality; a superior variety for home use; dozen, 75 cents; hundred, \$1.75; thousand..... 12 00

RASPBERRIES -- Black.



GREGG RASPBERRY.

- Raspberry, Doolittle's Improved**, early; medium size; very hardy and prolific; doz. 60 cts.; hundred \$1.75; thousand..... 12 00
- Gregg**, very large; of excellent quality, wonderfully productive, and very hardy; medium early; doz., 60 cents, hundred, \$1.75; thousand.. 12 00
- Souhegan**, the earliest of this class; fruit is a shining jet black, large, and of fine quality; very hardy and productive; doz. 60 cts.; hundred, \$1.75; thousand..... 12 00
- Ohio**, fruit large, of fine quality, and considered the best of the Cap varieties for drying purposes. It is a strong grower, hardy and very productive; doz. 60 cts.; hundred, \$1.75; thousand..... 12 00

- Mammoth Cluster**, large; of fine quality; strong grower, and very productive; an excellent variety for general culture; dozen, 60 cents; hundred, \$1.75; thousand..... 12 00

RASPBERRIES -- Yellow.

- Caroline**, very hardy and prolific; fruit medium to large, of fine quality; dozen, \$1.00; hundred, \$2.00; thousand..... 15 00
- Golden Queen**, new, (SEE COLORED PAGES.) A grand variety; dozen, \$1.00; hundred, \$2.00; thousand..... 15 00
- Brinckle's Orange**, this variety is not quite as hardy as the Caroline; the fruit is of a much brighter color and finer quality; dozen, \$1.50; hundred..... 6 00

BLACKBERRIES.

- If by mail, add 15 cents per dozen.
 For field culture, plant in rows six feet apart, with plants three feet apart in the row. For garden culture, five by four feet.
- Blackberry Early Harvest**, new; very early and productive; a valuable variety for marketing; dozen, 60 cents; hundred, \$2.00; thousand..... 15 00
 - Snyder**, the hardiest; doz., 60 cts.; hundred, \$2.00; thousand.. 15 00
 - Kittatinny**, needs protection north of New York city; dozen, 60 cents; hundred, \$2.00; thousand..... 15 00
 - Wilson**, early and very hardy; dozen, 60 cents; hundred, \$2.00; thousand..... 15 00
 - Early Cluster**, new; fruit large; quite firm and good quality; very productive; dozen, 75 cents; hundred, \$3.00; thousand.. 20 00
 - Wilson Junior**. This variety descended from the Wilson's Early, and gives promise of outdoing that venerable variety in yield, quality, and size of fruit; a superb variety; dozen, \$1.00; hundred, \$4.00; thousand..... 30 00
 - Erie**, new; first called Uncle Tom, but changed to Erie at the suggestion of Hon. Marshall P. Wilder. This variety originated in Northern Ohio, near Lake Erie. It is a chance seedling of great promise, on account of its hardiness, large size, productiveness and good quality; early; dozen, \$1.00; hundred..... 4 00

CURRENTS.

Plant in rows four feet apart, with plants three feet apart in the row. By mail, add 15 cents per dozen.

- Currant Fay's New Prolific**, red; a seedling from the Cherry Currant; fruit large; plant very productive; 1 year plants, each, 20 cts.; doz., \$2.00; 2 yr. plants, each, 30 cts.; doz. \$3 00
- Cherry**, red; fruit extra large; 1 yr. plants, doz., 60 cts., hundred 4 00
- Red Grape**, strong grower; fruit medium size; 1 year, dozen 60 cents; hundred..... 4 00
- Black Champion**, a new English variety; the fruit is a very large, handsome, and highly flavored, 1 year each, 20 cts., dozen. 2 00
- Black Naples**, a good variety; 1 year, dozen, 60 cts.; hundred 4 00
- Lee's Prolific**, new; about ten days earlier than Black Naples; 1 year, dozen, 60 cents; hundred..... 4 00
- White Grape**, the best white variety; very productive; 1 year, dozen, 60 cents; hundred..... 4 00

GRAPES.

Add 15 cents per dozen by mail for 1 year; 30 cents for 2 years.

	1 year.		2 years.	
	each.	doz.	each.	doz.
Agawam, (Rogers' 15).....	\$0 25	\$2 50	\$0 35	\$3 50
Brighton,	25	2 50	35	3 50
Concord,	25	2 50	35	3 50
Delaware,			25	2 50
Lady,	30	3 00	40	4 00
Merrimack, (Rogers' 19).....	25	2 50	35	3 50
Moore's Early,	30	3 00	40	4 00
Salem, (Rogers' 22).....	25	2 50	35	3 50
Wilder, (Rogers' 4).....	25	2 50	35	3 50
Worden,	25	2 50	35	3 50

Grapes--New Varieties.

- Grape Amber Queen**, very early, hardy, strong grower; ripens in August; fruit of excellent quality; amber color, but turns darker if allowed to remain on the vine; 1 year vines, each 30 cents, 2 years..... 40
- Eaton**, new, bunch very large, compact, doubled shouldered; berries very large, black, covered with a heavy blue bloom; skin thin, but tough, pulp tender and separates freely from the seeds; ripens with Concord or a little earlier; adhere firmly to the stem; 1 year, each, \$1.00; 2 year..... 1 50
- Niagara**, new, strong, vigorous grower; bunch and berries large and of good quality; color light green; very productive; strong 1 year vines, each, 25 cents; 2 year..... 35
- Golden Pocklington**, beautiful light golden yellow, covered with a fine bloom; bunches large, sometimes shouldered; berries round, very large, thickly set on the bunch, to which they cling very firmly. This variety has now been quite fully tested, and we feel confident in recommending it to our customers as one that will give satisfaction. 1 year vines, each, 25 cts.; two year..... 35
- Empire Staté**, bunches large, shouldered; berry medium size; roundish oval; color white, with a light tinge of yellow, covered with a thick white bloom; flesh tender, sweet, rich, and sprightly; strong 1 year vines, each, 35 cents; 2 year..... 50
- Vergennes**, bunch and berries large; of a light red color; clings firmly to the stem; flavor rich and sweet; ripens very early, and is an excellent keeper; 1 year, 25 cents; 2 year..... 35

GOOSEBERRIES.

Gooseberries thrive best if planted where they will receive a partial shade. Plant the same distance as Currants. Add 30 cents per dozen by mail.

- Gooseberry Industry**, a new foreign variety that is a valuable acquisition. The fruit is dark red, very large, and of a rich agreeable flavor; an immense yielder; each 30 cts.; doz. 3 00
- Downing's**, greenish white; each 20 cts.; doz. 1 50
- Smith's**, large; light green; each 20 cts.; doz. 1 50



GOOSEBERRY -- INDUSTRY.

VEGETABLES.

OUR VEGETABLE DEPARTMENT embraces almost every article of value known. We have excluded everything our experience has proved unworthy of culture, as also some untried and not very promising kinds. As fast as new vegetables establish their good character we add them to our list, but exercise our usual caution in introducing new candidates for public favor, submitting all to thorough trials on our grounds. Much of our Vegetable seed, and the most important, are grown upon our seed farms; other kinds we obtain of the

most reliable and responsible growers in England, France, Germany, and other countries, and we have no hesitation in saying that altogether our Vegetable seeds are not excelled, if equaled, by any collection in the world. Everything is tested before being packed, so that we know that all will grow if treated well. We have endeavored to describe the different kinds so that their character and value may be understood, with such simple directions for culture, as with little care will ensure success.

ARTICHOKE.



ARTICHOKE.

The Jerusalem Artichoke is a wonderfully hardy and productive plant, yielding roots in immense quantities. They are like potatoes in appearance, and if we had no potatoes would not make a bad substitute. It is good for all stock and is not bad for the table. Plant the tubers like potatoes, and enough is usually left to seed the ground for the next crop.

There is another Artichoke, very little grown in America, the Globe Artichoke. The portion used is the flower-head in an undeveloped state.

Artichoke, Jerusalem, per bushel, \$2.00; per peck, 75 cents, by freight or express, charges not prepaid; per quart, by mail or express, prepaid 40
Green Globe, seed per lb., \$3.00; per oz., 30 cents; per packet . 10

ASPARAGUS.



ASPARAGUS.

To grow Asparagus plants from seed, sow in drills, about one inch deep, and the rows wide enough apart to admit of hoeing—about a foot. An ounce of seed is sufficient for a drill thirty feet in length. Keep the soil mellow and free from weeds during the summer, and in the fall or succeeding spring the plants may be set out in beds, about

a foot apart each way. The beds should be narrow, so as to permit of cutting to the center. Set plants about a foot apart, and crowns four inches below the surface, and spread the roots. Before winter, cover the transplanted beds with about four inches of manure. Salt is an excellent manure for Asparagus. Sow a little on the surface in the spring, and it will keep down the weeds. By purchasing plants, a year at least of time is saved. The young tops may be cut for the table the second summer, but not very freely until the third.

Asparagus, Conover's Colossal, large, and of rapid growth; per lb., 50 cents; per oz., 10 cents 5
Roots—1 year, by mail, per 100, prepaid \$1 25
 2 years, by mail, per 100, prepaid 2 50
 2 years, by express, per 100, not prepaid 1 50

BEANS.

The long continued rains under which the Bean crops of 1890 were harvested, not only reduced the quantity secured, but at the same time seriously injured the vitality. We give our customers the best stocks we have, and equal to any of the past season's growth.

Beans like a dry and rather light soil, though they will do well in any garden soil if not planted too early in the spring. Dwarfs are earliest and most hardy, as a general rule. In garden culture Beans are generally planted in rows eighteen inches apart, and three inches apart in

the row; in field culture, in drills, so as to cultivate with horse one way. Running Beans are planted in hills two or three feet apart.

Beans, New Prolific German Wax, an improvement on the old Wax or Butter, having longer, rounder, straighter pods, and being much more prolific; per qt., 50 cents 10
Wax or Butter, a popular variety wherever known; the pods a waxy yellow, solid, very tender and almost transparent, stringless, seeds black when ripe. Per quart, 45 cents 10
Black-Eyed Wax, very early, very tender, and of excellent quality; per quart, 50 cents 10
Golden Wax, an early, stringless Bean, of golden wax color, and excellent quality; per quart, 45 cents 10
Wardwell's Kidney Wax, extra early; long, flat, waxy pods; remarkably free from rust; per quart, 45 cents 10



PROLIFIC GERMAN WAX.

Flageolet Wax, a very showy variety, with long, flat, yellow pods; very productive, and of fair quality; per quart, 45 cents... 10
Ivory Pod Wax, of rapid growth, very prolific; pods delicate white, stringless, succulent, and of good flavor; per quart, 45 cents 10
Mont d'Or Wax, an early and remarkably prolific variety. Pods round, bright yellow, tender and stringless. Less liable to rust than others of the wax family; per quart, 45 cents 10
Yosemite Mammoth Wax, so named on account of its enormous size. The pods are of a rich golden color, eight or nine inches in length, with the thickness of a man's finger, nearly all solid pulp, and absolutely stringless. Enormously productive; per quart, \$2.00 25
Crystal Wax, pods small, round, very tender; prolific; the latest of the Wax Beans; per quart, 45 cents 10
Extra Early Valentine, early and tender for String Beans; per quart, 40 cents 10

Above prices pay for full measure delivered free at your Post Office.

Beans, Long Yellow Six-Weeks , one of the earliest; an excellent and productive String Bean; quart, 40 cents.....	10
Miller's Round Yellow , one of the best green-podded varieties. Early, tender, stringless; per quart, 40 cents.....	10
Emperor William , very early, very prolific, and of excellent quality; useful as a string bean, or for shelling green or dry; per quart, 40 cents.....	10
Early Mohawk , an early, hardy, productive String Bean; quart, 40 cents.....	10
Extra Early Refugee . This new variety has all the good qualities of the well-known Refugee, with the advantage of being ready for use ten days earlier; per quart, 50 cents.....	10
Refugee , hardy, abundant bearer, flesh thick and tender; one of the best for pickling on account of its thick flesh; per quart, 40 cents.....	10
White Kidney or Royal Dwarf , one of the very best for shelling, either green or dry; quart, 40 cents.....	10
White Marrow , clear white, almost round, first class for use shelled, either green or dry; quart, 40 cents.....	10
Boston Small Pea , the most productive field Bean ever introduced; it is very early, very hardy, and has never suffered from rust; per quart, 40 cents.....	10
Broad Windsor , the celebrated <i>Broad Bean</i> of England, growing on a strong stalk, about two feet in height. Beans eaten shelled. Not very well adapted to our climate; quart, 50 cents..	10

RUNNING BEANS.

Early Golden Cluster Wax . A very vigorous and productive variety; pods long, flat, very white, tender, and of good quality; the earliest of the Pole Beans; per quart, 80 cents.....	15
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Beans, Extra Early Lima does not differ materially from the common sorts, except in earliness; in this it has the advantage of from ten days to two weeks; per quart, 60 cents.....	10
"King of the Garden" Lima Bean is a very vigorous grower, requiring but two vines to each pole. They set their pods early at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Many of the pods measure from five to eight inches and contain five, six, and seven perfect formed Beans to the pod, of superior edible quality, unexcelled by any that has come to our notice during a practical experience in Bean culture of twenty years; per quart, 60 cents.....	10
Large Lima , the most buttery and delicious Bean grown. Plant in a warm, sandy soil, if possible, not too early; qt., 55 cents.....	10
Dreer's Improved Lima , earlier and more productive than the old sort, though the seeds are smaller; per quart, 60 cts.....	10
Small Lima, or Sieva , earlier and harder than Large Lima, but the pods and seeds are smaller; per quart, 60 cents.....	10
London Horticultural, or Speckled Cranberry , a round speckled Bean, tender for Snap Beans, and excellent for shelling; per quart, 50 cents.....	10
Southern Prolific , a continuous bearer; of excellent quality; pods long, round, stringless, very tender; per quart, 50 cents.....	10
Dutch Case Knife , an old and popular sort; pods long, green, flat; a good shell Bean; per quart, 50 cents.....	10
Scarlet Runner . This is the favorite Snap Bean of Europe; and nothing else will sell as soon as this appears in market; quart, 50 cents.....	10
Giant Wax , thick, fleshy, creamy yellow, waxy looking pods, tender and excellent as a Snap Bean; productive, keeping in bearing a long time; seeds red; per quart, 65 cents.....	10



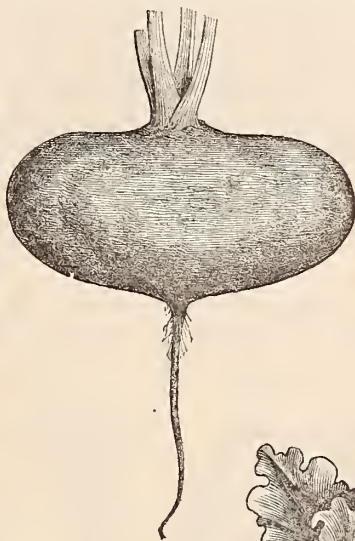
MAMMOTH LONG RED MANGEL WURTZEL.



GOLDEN TANKARD MANGEL WURTZEL.



SUGAR BEET.



EGYPTIAN BLOOD TURNIP BEET.



SWISS CHARD.



ECLIPSE BEET.

BEETS.

The Beet is a valuable vegetable, both for the table and for stock. If seed is sown pretty thickly in drills in the early spring the plants can be thinned out and prepared for the table, like Spinach, as soon as they become a few inches in height, for a month or more until the roots become as large as Radishes,

both roots and leaves being excellent. When a little larger, the roots can be cooked alone, and in this way are used until winter, when those remaining should be stored away in a cold cellar, or pit, covered with earth. In this way they will keep till spring.

For Beets, the soil should be rich, mellow, and deep. Plant in drills, about two inches deep and the rows about twelve or fifteen inches apart. Set the seeds in the drills about two inches apart. For field culture the rows should be wide enough to admit the horse cultivator and the roots not nearer than one foot in the rows. The Mangel Wurtzel Beets grow to a large size, are coarse, and wonderfully productive, making excellent food for cattle. Those who have never tried the Mangels for stock, have yet to learn of their great value for cattle, both for milk and meat. Then, they are juicy and refreshing, and add to the health and comfort of the animals. In no way can so much good food be grown so cheaply as in Mangels.

The engraving showing two leaves exhibits the very thick leaf-stalks of the kind known as Swiss Chard, the leaf-stalks being eaten when cooked, like Asparagus, and we consider it a great luxury.

Beet, Egyptian Blood Turnip , the earliest variety grown, and valuable on this account; not very productive; per lb., 75 cents; per oz., 10 cents.....	5
Eclipse , a standard variety, about as early as the Egyptian; root round, dark red, smooth, top small; quality excellent; per lb., 75 cents; per oz., 10 cents.....	5

Beet, Extra Early Bassano , an early, good Beet, tender and juicy; flesh white and rose; grows to a good size; when sown late it keeps well in the winter; per lb., 60 cents; oz., 10 cents.....	5
Bastian's Early Turnip , next in earliness to Egyptian and Eclipse; an excellent table variety; per lb., 60 cents; oz., 10 cents.....	5

- Beet, Early Blood Turnip, turnip-shaped, smooth, tender and good; about ten days after Bassano; per lb., 50 cents; oz., 10 cents
- Edmand's Early Blood Turnip. A market gardener's strain; very regular in shape; deep blood skin and very dark flesh; per lb., 75 cents; oz., 10 cents
- Dewing's Early Turnip, a good red, but not dark. Turnip Beet, about a week earlier than Blood Turnip; smooth skin and small top, and growing much above ground; flesh tender, good for summer use; per lb., 60 cents; oz., 10 cents
- Early Yellow Turnip, a variety of the Blood Turnip Beet, differing mainly in color; the roots are bright yellow; a good early Beet; per lb., 60 cents; oz., 10 cents
- Henderson's Pine Apple, true, compact, short top variety; roots medium sized and of a deep crimson; much liked here by gardeners and amateurs; per lb., \$1.20; oz., 15 cents
- Long Blood Red, a popular winter sort; long, smooth, blood red; sweet and tender; per lb., 50 cents; oz., 10 cents
- Imperial Sugar, one of the sweetest and best Sugar Beets; per lb., 40 cents; oz., 10 cents
- Red-top Sugar. Ripens earlier than any other variety of Sugar Beet, and yields the largest returns in sugar per acre; heavy cropper; per lb., 40 cents; per oz., 10 cents

USED FOR LEAVES AND LEAF-STALKS ONLY.

- Beck's Improved Sea Kale, a variety of Beet with beautiful, tender leaves, popular for cooking as "greens"; per lb., 50 cents; oz., 10 cents
- Swiss Chard, Large Ribbed Scarlet Brazilian, per lb., 90 cents; oz., 10 cents
- Swiss Chard, Large Ribbed Yellow Brazilian, per lb., 90 cents; oz., 10 cents
- Swiss Chard, Large Ribbed Silver, per lb., 50c.; oz., 10c.

MANGEL WURZELS—USED FOR CATTLE.

- Golden Giant. New. (For description, SEE COLORED PAGES.) Per lb., 75 cents; oz.
- Carter's Mammoth Long Red, of very large size and good quality; one of the best stocks of Long Red Mangel in cultivation; per lb., 50 cents; oz.
- Carter's Improved Orange Globe, the very best round Mangel; keeps better than the Long Red, and is better adapted for growing in shallow soils; per lb., 50 cents; oz.
- Golden Tankard, a new and exceedingly fine variety; particularly valuable on account of its milk producing qualities; flesh deep yellow; per lb., 50 cents; oz.
- Elvetham Long Yellow, as large as Mammoth Long Red, and differing from it only in color; per lb., 50 cents; oz.
- Olive-Shaped Red, large; per lb., 50 cents; oz.
- Red Globe, a fine variety; per lb., 50 cents; oz.

BRUSSELS SPROUTS.

The culture for Brussels Sprouts is the same as for Cabbage. If early plants are raised in a hot-bed, they will perfect themselves in September, in the north, and a later sowing should be made in the open ground, that will be in perfection about the time winter commences. These should be taken up and stored in a cool cellar, with the roots in earth where they will remain fit for use during the winter. Where the winters are not very severe they may remain in the open ground, to be cut as needed; per lb., \$1.75; per oz., 15 cents; per packet, 5 cents.



BORECOLE, OR KALE.



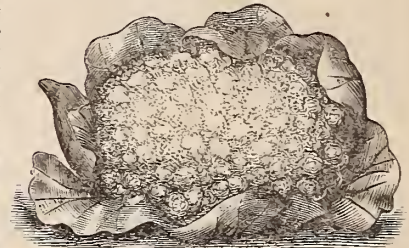
The Kales are more hardy than the Cabbage, and will endure considerable frost without injury. When cut frozen, they are immediately placed in cold water. They do not form heads like cabbage, but form abundance of pretty, curly leaves, that are very ornamental and highly prized. The Kale furnishes abundant food for the cottagers of Europe, and when well grown and properly prepared is good enough for any one. Culture same as for Cabbage.

- Borecole or Kale, Dwarf German Greens, or Sprouts, bright green, resembling Ruta Baga tops, and of fine flavor. Sow in rows about a foot apart, in September, and gather in early spring, like Spinach; per lb., \$1.00; per oz., 10 cents

- Borecole or Kale, Dwarf Green, Curled Scotch, dwarf; beautifully curled, and bright green; hardy, and may be cut from the ground all the early part of winter; per lb., \$1.00; per oz., 10 cents
- Dwarf Purple Kale, like Scotch Kale, except in color, but more hardy; per lb., \$1.25; per oz., 15 cents
- Tall Green Curled Scotch, finely curled; very hardy; one of the best; per lb., \$1.00; per oz., 10 cents

BROCOLI.

Broccoli resembles the Cauliflower; indeed, it is hardly possible to distinguish the difference. Broccoli, however, is the most hardy, and in many sections of our country would not suffer in winter, but it dislikes severe summer heat more than cold; and to succeed, it would be necessary to grow late plants, and set them out after the extreme heat of summer is past. Treated in this way we do not know why we cannot have Broccoli.



- Broccoli, Purple Cape, one of the hardiest and most popular varieties, and the most certain to form a good head; the earliest of the purple varieties; per lb., \$5.00; oz., 45 cents
- Southampton, fine, hardy, large, yellow variety—one of the old popular sorts, like Portsmouth, Sulphur, etc.; per lb., \$3.00; oz., 30 cents

CHICORY.

Sow Chicory seed in the spring, in drills half an inch deep, and in good mellow soil; the after culture is the same as for Carrots. In the autumn the plants will be ready for blanching, when it is used as a salad. The principal use of Chicory, however, is as a substitute for Coffee. The roots are cut and dried, and then roasted for adulteration with Coffee. An ounce of seed will sow about one hundred feet of drill, and from two to three pounds an acre.



- Chicory, Large-Rooted, Long Magdeburg, per lb., 90 cents; oz.

CHIVES.

Chives are small and not very important members of the Onion tribe, quite hardy everywhere. The leaves are slender, and appear very early in the spring, and may be shorn several times during the season. They are propagated by divisions of the root. Chives make the very best border for beds in the vegetable garden, and are not only ornamental, bearing pink flowers, and a mass of green leaves, but equal to the Onion for flavoring soups and salads.



CRESS.

Cress should be sown in a hot-bed or in a sheltered spot in the garden, quite thick, in shallow drills, and in a short time it will be fit for cutting. It gives a pungent relish to Lettuce and other salad plants. A fresh lot should be sown every week, as it matures very rapidly and is useful only when young. In old times it was quite a fancy with the children, and some older people, to sow Cress so as to form a name or design, which it will do very soon, as it is of very quick growth.

- Cress, Fine Curled, superior; will bear cutting several times; per lb., 50 cents; per oz., 10 cents
- Plain-Leaved, tender; per lb., 50 cents; oz., 10 cents
- Broad-Leaved Garden, sometimes used for soups; per lb., 80 cents; oz., 10 cents
- Australian, leaves delicate green, flavor mild and fine; per lb., 80 cents; oz., 10 cents
- Water, does pretty well in moist situations, but better on the edges of streams in shallow water; per lb., \$3.50; oz., 35 cents; 1/4 oz., 20 cents

HORNELLSVILLE, N. Y., Sept. 5, 1890.

JAMES VICK, Rochester, N. Y.:

We were awarded First Premium on All Season's Cabbage, Early Market Potatoes and Danvers Yellow Onions at the Hornellsville Exposition this season, and they attracted much attention.

The All Season's Cabbage is one of the best we have ever grown; for size, weight and solidness unsurpassed. Also stands a long time after maturity without cracking open.

The Early Market Potato is deserving of much praise. Planted at the same time as Snowflake, Crown Jewel, Beauty of Hebron, Early Rose and Early Puritan, under exactly the same conditions, which were most unfavorable, the ground being very wet, and before the potatoes were up a flood of water many inches deep standing on them for several hours, not more than five per cent of the Early Markets failed to come up, while over fifty per cent of all of the other varieties had to be replanted. They are also of most excellent quality.

We grew from the Danvers Yellow Globe Onion seed of your own growing the finest crop of onions we have ever raised. They matured early and have been marketed at a good price.

Very truly yours,
GEO. H. NEWSON & SON, Market Gardeners.

CABBAGES.

The Cabbage requires a deep, rich soil, and thorough working. For early use, the plants should be started in a hot-bed or cold-frame; but seed for winter Cabbage should be sown in a seed-bed, early in the spring. Some of the large late varieties seem to do best if the seed is sown in the hills where they are to remain, and in that case sow two or three seeds where each plant is desired and then pull up all but the strongest. Plant the large varieties three feet apart; the small, early sorts, from a foot to eighteen inches. The Savoy Cabbages have wrinkled leaves and are of fine flavor, especially after a little frost has touched them in the autumn. Some gardeners grow plants for early summer Cabbage in a frame in autumn, protecting them with boards or matting during winter. In mild climates Cabbage can be transplanted in autumn.

Insects have been exceedingly troublesome to Cabbage in many sections of late years. Growers must try for a rapid growth, and wage a constant warfare against the enemy. See advertisement of Vick's Exterminator.

Cabbage, Early Wakefield, the great favorite with market gardeners; the earliest and sure to head. The seed is true and the best; per lb., \$3.50; per oz., 30 cents; per ½ oz., 20 cents..... 10

All Seasons. A new and very superior sure heading variety. May be planted early or late, as it forms large and very solid heads quickly. Quite excellent. Per lb., \$3.50; oz., 30 cents; ½ oz., 20 cents..... 10



The above is a reproduction of a photograph of the three heads of All Seasons Cabbage grown by Davis Bros., Jackson, Mich., weight 56 lbs., which took our first prize of \$75 at the Ill. State Fair, held at Peoria, Sept. 29, 1890.

Cabbage, Henderson's Early Summer. A popular sort with the Long Island market gardeners. It follows the Wakefield and resembles the Early Flat Dutch; should be sown in hot-bed in February or March, as when sown in the fall and wintered over the plants are inclined to run to seed; per lb., \$3.50; oz., 30 cents; ½ oz., 20 cents..... 10



EARLY WAKEFIELD.

Henderson's Succession. A new and valuable summer variety, coming in a few days later than Early Summer, but of double the size. It may also be used as a winter variety, as its solid heads make it a good keeper. One of the finest Cabbages that has ever been introduced; per lb., \$7.00; oz., 60 cts.; ½ oz., 35 cts. 15

Fottler's Improved Brunswick. One of the very best second-early sorts. Heads large, flat, solid, and of excellent quality; stems very short; per lb., \$2.50; oz., 25 c.; ½ oz., 15 c. 5

Danish Round Winter, the favorite cabbage of Denmark, and shipped in immense quantities to London and other large cities, where it commands a high price. In season about the same time as Fottler's Brunswick; heads globular in shape, of medium size, and remarkably hard and heavy; per lb., \$4.00; oz., 35 cents; ½ oz., 20 cts. 10



HENDERSON'S EARLY SUMMER.

Winningstadt. A fine early variety, sugar-loaf in form; one of the best summer sorts; if sown late, good for fall or even winter; per lb., \$1.75; oz., 15 cents. 5

Large French Oxheart, a fine, heart-shaped Cabbage, coming into use after Early York and other earlier sorts; very tender and fine flavored, and heads freely; per lb., \$1.50; oz., 15 cents..... 5

Above prices pay for full measure delivered free at your Post Office.

Cabbage, Newark Early Flat Dutch. This is an excellent second Cabbage, produced by a cross between the old Large Flat Dutch and Early Oxheart. Our seed is true and excellent; per lb., \$3.50; oz., 30 cents; ½ oz., 20 cents 10

Early Dwarf York, small, very early; per lb., \$1.50; oz., 15 cents 5

Large York, larger than above; round head; good summer and fall sort; per lb., \$1.50; oz., 15 cents 5

Louisville Drumhead. A variety grown largely by market gardeners in the Southwest. It stands hot weather better than most other sorts, and is a sure cropper; resembles Premium Flat Dutch; per lb., \$4.00; oz., 35 cents; ½ oz., 20 cents 10

Filderkraut. This is a German Cabbage which we introduced several years ago, and is the most solid Cabbage grown, and sure to head; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents 5

Marblehead Mammoth, very large winter Cabbage; heads freely, and with good soil will grow to an enormous size; per lb., \$3.00; oz., 30 cents; ½ oz., 20 cents 10

Large Late Drumhead. A very superior drumhead variety, grown from choice heads; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents 5

Stone Mason Marblehead, a large, solid, tender and excellent free-heading winter Cabbage; per lb., \$3.00; oz., 30 cents; ½ oz., 20 cents 10

Excelsior Large Flat Dutch, very superior strain of Flat Dutch, grown from the best heads; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents 5



LOUISVILLE DRUMHEAD.

Premium Flat Dutch, heads well and keeps over finely; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents 5

Large Flat Dutch, good for fall or winter crop, resembling the Drumhead; per lb., \$1.50; oz., 15 cents 5

Early Blood Red, early variety; will make fine winter Cabbage if sown quite late in the open ground; per lb., \$3.50; oz., 35 cents; ½ oz., 20 cents 10

Large Late Blood Red, pure; for pickling; per lb., \$2.00; oz., 20 cents 5

Perfection Drumhead Savoy. This is another variety which the market gardeners in the neighborhood of New York think they have so much improved as to entitle it to a name. It is from the old Drumhead Savoy; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents 5

Dwarf Green Curled Savoy, heads small and rather loose; very hardy and excellent; per lb., \$1.50; oz., 15 cents 5

Early Dwarf Uim Savoy, heads round and very solid and of fine quality; forms its heads very early; per lb., \$1.50; oz., 15 cents 5

COLLARDS.

Collards, well known and prized at the South, and so nicely adapted to the Southern climate; per lb., \$1.25; oz., 15 cents 5

CARROTS.

The Carrot should always be furnished a good, deep, rich soil. Sow in drills about an inch deep, the drills about a foot apart; and at thinning, the plants should be left from four to ten inches apart, according to kind. The short kinds are finest grained, best adapted for table use, can be had very early, and may be allowed to grow very thickly upon the



ground. The large sorts are admirable for all kinds of stock, and nothing is more relished by horses in winter, and nothing is more healthful for them. Some prefer the short kinds, even for stock, as they are so easily gathered, and give a good crop.

Carrot, Early Forcing, desirable for forcing, where growing small, very early Carrots will pay. (See engraving, fig. 1.) Per lb., \$1.25; per oz., 15 cents 5

Early Short Horn, small; fine for table; per lb., \$1.00; oz., 10 cents. (See engraving, fig. 6.) 5

Chantenay Stump-Rooted. This new variety is midway in shape between the Nantes Half-Long Stump-Rooted Carrot and the Guerande or Oxheart variety, nearly equaling the former in length, and having the broad shoulder and tapering root of the latter. Tested in our grounds, it yielded a greater bulk than any other variety, and was particularly noticeable for its smoothness and regularity of surface; per lb., \$1.00; oz., 10 cents. (Fig. 2.)... 5

OHIO JUNIOR.



VICKS
PERFECTION.



VICKS

CHAMPION.

OUR
THREE
FAVORITES

PRINTED FOR
AMES VICK
STEEDMAN

- Carrot, Guerande, or Oxheart.** This variety has given great satisfaction. While not attaining one-half the length of many other varieties, it will compare favorably in bulk of crop, as on good land it will produce Carrots four to six inches in diameter. The crop can also be readily pulled, while the longer sorts require digging; per lb., \$1.50; oz., 15 cents. (Fig. 5)..... 5
- Half Long Scarlet Stump-Rooted,** larger than Short Horn, and a desirable table variety; per lb., \$1.00; oz., 10 cents. (Fig. 4)..... 5
- Half Long Scarlet Pointed-Rooted,** a very desirable Carrot either for table or feeding, sweet and productive; per lb., \$1.00; oz., 10 cents..... 5
- Danvers Orange,** a first-class, half-long variety; flesh dark orange; very productive; per lb., \$1.00; oz., 10 cents. (Fig. 3.)..... 5
- Long Red Coreless,** is a stump-rooted variety, a foot or more in length, and two inches in diameter; per lb., \$1.00; oz., 10 cents..... 5
- Half Long Scarlet Garentan,** a very pretty Carrot, eight inches in length and nearly coreless; per lb., \$1.00; oz., 10 cents..... 5
- Long Orange,** the old standard variety; per lb., \$1.00; oz., 10 cents..... 5
- Altringham,** selected, red; per lb., \$1.00; oz., 10 cents..... 5
- Long Orange Belgian Green-Top,** fine for feeding; per lb., 80 cents; oz., 10 cents..... 5
- Giant White Belgian Green-Top,** fine for cattle; per lb., 70 cents; oz., 10 cents..... 5

CAULIFLOWER.

The Cauliflower delights in a rich soil and abundance of water. By sowing the early varieties in the spring, in a hot-bed or cold-frame, or even in an open border, they can be obtained in pretty good season. For late Cauliflower, sow seed in a cool, moist place, on the north side of a building or tight fence, in this latitude about the first of May, and they will not be troubled with the little black beetle, so destructive to everything of the Cabbage tribe when young. Do not allow the plants to become crowded in the seed-bed. Transplant in moist weather, or shade the newly set plants. A moist atmosphere and a rich soil suit the Cauliflower, and we must try to secure this as well as we can. In a dry time Cauliflower must be watered. Any person who has good deep muck partially drained, we think, can raise good Cauliflower with little trouble.

- Cauliflower, Vick's Ideal.** (For description SEE COLORED PAGES). Per oz., \$8.00; per ½ oz., \$4.00; per ¼ oz., \$2.00..... 50
- Henderson's Early Snowball,** one of the earliest varieties, and very reliable for heading. Its dwarf habit and short outer leaves allow it to be planted very close—18 to 20 inches apart; per oz., \$4.00; ½ oz., \$2.25; ¼ oz., \$1.25..... 35
- Erfurt Earliest Dwarf,** low, with pure white curd; one of the best and surest to head; per oz., \$3.50; ½ oz., \$2.00; ¼ oz., \$1.00..... 25
- Early Paris,** early and fine; short stalk, white; per oz., 80 cents; ½ oz., 50 cents..... 10
- Lenormand's Short-Stemmed,** a very fine intermediate variety; per oz., \$1.50; ½ oz., 90 cents..... 15
- Italian Giant,** a large and very superior variety; per oz., 70 cents; ½ oz., 45 cents..... 10
- Algiers,** a large late variety, of excellent quality, one of the surest to head; oz., \$1.00; ½ oz., 60 cents..... 15

CORN SALAD.



A favorite salad plant in Europe. Sown in August, and protected with a few leaves during winter, it can be gathered very early in spring. Sown in April, it is soon fit for use. The leaves are sometimes boiled and served as Spinach.

Corn Salad, per lb., \$1.00; oz., 10 cts. 5

ENDIVE.

Endive is an excellent autumn and winter salad. Sow seed late in the spring, or even as late as July, in shallow drills, and when plants are strong thin out to about a foot apart.

- Endive, Moss Curled,** per lb., \$2.00; oz., 20 cents..... 5
- Green Curled,** per lb., \$2.00; oz., 20 cents..... 5
- White Curled,** per lb., \$2.00; oz., 20 cents..... 5
- Batavian,** per lb., \$2.00; oz., 20 cents..... 5



Above cut is a photo-engraving of 3 heads of Vick's Ideal Cauliflower, weight 34 pounds, which received the First Premium, \$75.00, at Illinois State Fair, Sept. 29, 1890. Entered by Joseph Ward, Eau Claire, Wis., in our \$1,000.00 Prize Exhibit.

EGG PLANT.



A tender plant, requiring starting in the hot-bed pretty early to mature its fruit in the Northern States. The seed may be sown with Tomato seed; but more care is necessary at transplanting, to prevent the plants being chilled by the change. Those who have no hot-beds can sow a few seeds in boxes in



the house. Hand-glasses are useful for covering at time of transplanting.

- Egg Plant, Early Long Purple,** eight or nine inches long, productive; per oz., 25 cents..... 5
- Round Purple,** medium size; per oz., 25 cents..... 5
- Improved New York Purple,** very large and fine, the best; per oz., 60 cents; ½ oz., 35 cents..... 10
- Black Pekin,** per oz., 50 cents; ½ oz., 30 cents..... 10

JACKSON, MICH., Oct. 20, 1890.

MR. JAMES VICK & CO., ROCHESTER, N. Y.:
Dear Sir,—We gave your Golden Giant Mangel a good test with eighteen other varieties, and can say that they are the smoothest and heaviest yielders of all we tested, by half.
We remain yours very truly,
DAVIS BROS.

At above Prices you have no extras to pay.

CELERY.

Sow seeds in a hot-bed or cold-frame. As soon as the plants are about three inches high, transplant to a nicely prepared bed in the border, setting them four or five inches apart. When some eight inches high, and fine stocky plants, set them in the trenches. Earth up a little during the summer, keeping the leaf stalks close together, so that the soil cannot get between them. Finish earthing up in autumn, and never hoe or earth up in moist weather, nor when the plants are moistened with dew.

To preserve Celery for winter, dig trenches a foot in width and as deep as the tops of the plants. Stand the Celery in these, erect, as they grew, with what dirt adheres to the roots, packing closely but not crowding. After the trench is filled it should be covered with straw or leaves as a protection from frost. Do not cover until the weather becomes quite cold, and then only a little at a time, as the cold becomes greater. Celery will bear a good deal of frost. The trench must have good drainage.



Above cut is a photo-engraving of Golden Self-Blanching Celery, entered by Charles H. Gorham, Dowling, Mich., which took the first prize, \$75.00, at the Illinois State Fair, Sept. 29, 1890, in our \$1000.00 Prize Exhibit.

- Celery, Dwarf Golden Self-Blanching.** (For description SEE COLORED PAGES)..... 10
- White Plume,** a variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white, and do not require blanching by the old process of high banking. By simply tying up the stalks and drawing up the soil with the hoe, the work of blanching is complete. It is ornamental, tender, crisp, and of good flavor, but not a good keeper; per lb., \$5.00; oz., 50 cents; ½ oz., 30 cents..... 10
- New Giant Paschal,** an easily blanched and fine keeping sort of excellent flavor; excellent for late use; per lb., \$10.00; oz., \$1.00; ½ oz., 60 cents; ¼ oz., 35 cents..... 15
- Solid Ivory,** very dwarf and compact, allowing much closer cultivation than the taller sorts; color white throughout; very solid and crisp, and of a delicious nutty flavor. Per lb., \$4.00; oz., 40 cents; ½ oz., 25 cents..... 10
- Turner's Incomparable Dwarf White,** one of the very best varieties, growing stout, crisp, and of exceedingly fine nutty flavor; per lb., \$2.00; oz., 20 cents..... 5
- Sandringham Dwarf White,** an excellent variety; very solid, crisp, and of fine flavor; one of the best of the white varieties; per lb., \$2.00; oz., 20 cents..... 5
- Henderson's Dwarf White,** a favorite variety; of stiff, close habit; solid, crisp and tender; a good keeper; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents..... 5
- Crawford's Half Dwarf,** an extra fine variety; intermediate between the dwarf and large sorts; of a rich, nutty flavor and vigorous growth; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents..... 5
- Dwarf Golden Heart,** half dwarf; silvery white with waxy, golden yellow heart; perfectly solid, of excellent flavor, and a good keeper; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents..... 5
- Boston Market,** of low growth, somewhat branching, white, crisp, solid, and of fine flavor. Per lb., \$2.50; oz., 25 c.; ½ oz., 15 c..... 5
- New Rose.** The red Celeries are hardier and better keepers than the white and yellow sorts, and are of superior quality. The New Rose has all the qualities of the red sorts, while its delicate pink color gives it a handsome appearance. Per lb., \$4.00; oz., 40 cents; ½ oz., 25 cents..... 10
- Garter's Incomparable Dwarf Dark Crimson,** like Turner's Incomparable Dwarf in everything but color, being crimson; per lb., \$2.00; oz., 20 cents..... 5
- Laing's Mammoth Red,** the largest variety in cultivation; perfectly solid; fine flavor; excellent keeper; per lb., \$2.00; oz., 20 c..... 5

Celery, Turnip-Rooted (Celeriac), forming Turnip-shaped bulbs, of Celery flavor; per lb., \$2.00; oz., 20 cents..... 5
Seeds for Flavoring. Too old for vegetation, but excellent for flavoring pickles, etc.; per lb., 40 cents; oz..... 10

SWEET CORN.



MINNESOTA.



CROSBY'S EARLY

Below we give the earliest, medium and latest varieties of Sweet Corn. The engravings show different varieties, both as to form and comparative size, as nearly, perhaps, as it is possible to do so in engravings of this character. Sweet Corn should not be planted very early in the season, for it will not make any progress until the weather is warm and will be very likely to rot. It will decay in places where our common field corn will grow, and the sweeter and purer the less hardship it will bear.

Always select a warm soil for Sweet Corn if possible, especially for the earlier varieties, as the difference in soil and exposure will make at least a week's difference in the time of maturity, besides insuring a crop. We have taken the greatest possible pains to secure very choice Sweet Corn.

Corn, Cory, new. (For description SEE COLORED PAGES).

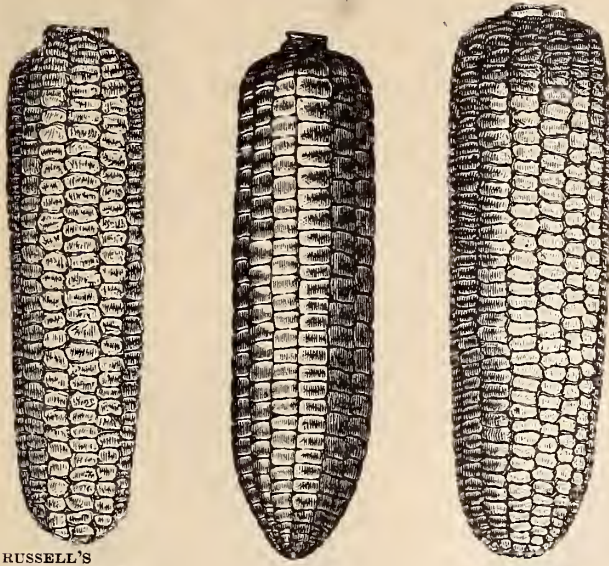
Per quart, 40 cents..... 10

CAPE GIRARDEAU, Mo., Aug. 22d, 1889.
 Dear Sir,—Last spring I bought a few garden seed from you, and among them was a paper of corn. Owing to the dry weather, and not having ground ready, I did not plant until the fourth day of June. In fifty-three days after, the corn was ready to use, nice big ears. We all think it wonderful. The pie plant is fine too. I measured one stalk—leaf included—and it was 35 inches high and the leaf 18 inches broad. I think that wonderful, too, from seed planted this year. In fact I never had any seed from you but what were good.

Yours respectfully, MRS. L. M. BEAN.
 P. O. address, GORDONVILLE, Mo.

At the above prices we pay Postage or Express Charges.

Corn, Early Minnesota, one of the best very early sweet varieties we have ever tried. Plant rather dwarf, ears fine for so early a variety, and of good quality; per quart, 40 cents..... 10



RUSSELL'S PROLIFIC.

CONCORD.

EVERGREEN.

Perry's Hybrid Sugar, the largest Early Sweet Corn that we have ever seen. Ears ready for use a few days later than the Early Marblehead, and before the Minnesota, but of double the size of either of these varieties, the ears being twelve-rowed, and sometimes fourteen. The kernels are large and tender, and deliciously sweet; stalks of great vigor, growing about six feet high, with two perfect ears to a stalk; per quart, 40 cents 10

Russell's Prolific, a very superior early variety, the sweetest of the very early sorts. Ears eight to ten inches in length; per quart, 40 cents 10

Chicago Market or Ballard's Early. Somewhat smaller than Perry's Hybrid, but about the same in season. A very sweet and desirable variety. Per quart, 40 cents 10

Crosby's Early, as early as Russell's Prolific; ears not much larger than the Minnesota, kernels small, twelve-rowed. A desirable Corn for the private garden; per quart, 40 cents 10

Moore's Early Concord, a very good Corn; ears large; ripens after Russell's, and in earliness about with Early Eight Rowed; per quart, 40 cents 10

Early Eight Rowed Sugar, following Crosby's Early in time of maturity; excellent; ears about nine inches long and very fine; per quart, 40 cents 10

Hickox Improved, a new and valuable variety for market, of the very best quality; per quart, 40 cents 10

Ne Plus Ultra or Quaker. For sweetness and tenderness, this variety has never been surpassed. The ears are a little below medium in size, but several grow on each stalk. The kernels are irregular in shape, not disposed in rows, but closely packed on the cob. Per quart, 60 cents 10

Livingston's Gold Coin. Cob snowy white, compactly covered with large and long yellow grains of great sweetness and delicacy of flavor; late; per quart, 50 cents 10

Excelsior, a very sweet, rich flavored, white sweet Corn; per quart, 40 cents 10

Triumph, the earliest of the large varieties; very sweet, rich, and delicate; per quart, 40 cents 10

Stowell's Evergreen, late; very select and pure; an excellent variety, remaining in a green state longer than any other kind; per quart, 40 cents 10

Egyptian, or Washington Market, tall; very late, coming in after Stowell's Evergreen; sweet and rich; per quart, 40 cents 10

Mammoth Sugar, one of the largest varieties, and very late; twelve to sixteen-rowed; productive and fine flavored; per qt., 40 cents 10

Black Mexican, a rather short, black variety, very sweet and delicious; per quart, 40 cents 10

Early Adams, a very early and good table variety, though not a sweet Corn; kernels white; per quart, 40 cents 10

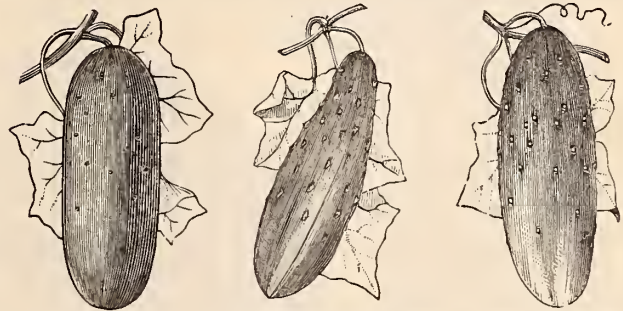
Parching, best white; per quart, 40 cents 10

CUCUMBER.

In this latitude it is useless to plant in the open ground until nearly the first of June. Make rich hills of well-rotted manure, two feet in diameter, and plant a dozen or more seeds, covering half an inch deep. When all danger from insects is over, pull all but three or four of the strongest plants. The middle of June is early enough to plant for pickling. Make the hills about six feet apart. For early Cucumbers, the hot-bed is necessary; but the simplest and surest way to produce a tolerably early crop of the best kinds is, where it is designed to place a hill, dig a hole about eighteen inches deep and three feet across; into this put a barrow of fresh manure, and cover with a small box-like frame, on the top of which place a couple of lights of glass. When the plants grow, keep the earth drawn up to the stems. Water and give air.

The FOREIGN VARIETIES are of fine quality and of wonderful size, often two feet in length, but they require a hot-bed to help them along until the weather is warm. In Europe they are grown in glass houses.

As long as fruit for the table is desired, do not allow any to go to seed, as this impairs the fruiting of the vine. Two specimens allowed to form



EARLY FRAME.

EARLY GREEN CLUSTER.

EARLY WHITE SPINE

seed will do more harm than two dozen for the table or pickling. Some of the smaller kinds are usually preferable for pickling, but Long Green is excellent for this purpose when young, and some pickling houses use White Spine exclusively.

AMERICAN VARIETIES.

Cucumber, Early Russian, very early, hardy and productive; small, growing in pairs; per lb., 90 cents; oz., 10 cents 5

Early Green Cluster, next in earliness to the Russian; small, prickly, in clusters, productive; per lb., 90 cents; oz., 10 cents 5

Early Frame, a good variety for pickling and table, of medium size; per lb., 90 cents; oz., 10 cents 5

Early White Spine, an excellent variety for table; very pretty and a great bearer; a favorite with market growers; per lb., 90 cents; oz., 10 cents 5

Chicago Pickling. A new variety, exclusively used by the Chicago picklers. Very prolific, and a profitable sort for this purpose; per lb., \$1.50; oz., 15 cents 10

Boston Pickling, an early, very productive sort, of good quality; per lb., 90 cents; oz., 10 cents 5

Green Prolific, one of the best of the pickling sorts; very prolific; per lb., 90 cts.; oz., 10 cents 5

Nichols' Medium Green, a new variety obtained by careful selection. Fruit of medium size, always straight and smooth, recommended for pickling; per lb., 90 cents; oz., 10 cents 5

Cleveland Pickling. Resembles the Early Russian, but it is much smaller and earlier, and exceedingly prolific, setting its fruit in clusters near the root. Excellent for pickling. Should be picked when quite small. Per lb., \$1.00; oz., 10 cents 5

Improved Long Green, a very fine long fruit of excellent quality; per lb., 90 cents; oz., 10 cents 5



IMPROVED LONG GREEN.

Above prices pay for full measure delivered free at your Post Office.

FOREIGN VARIETIES.

Cucumber, Long Green Southgate , a fine, old, hardy English sort; per oz., 50 cents.....	15
Chinese Long Green , long, productive and hardy.....	15
Giant of Arnstadt , one of the finest; good bearer.....	25
Rollisson's Telegraph , one of the best.....	25
Carter's Champion , a fine winter variety.....	25
Carter's Model , fine for house and frame culture; very prolific; keeps in bearing a long time.....	25

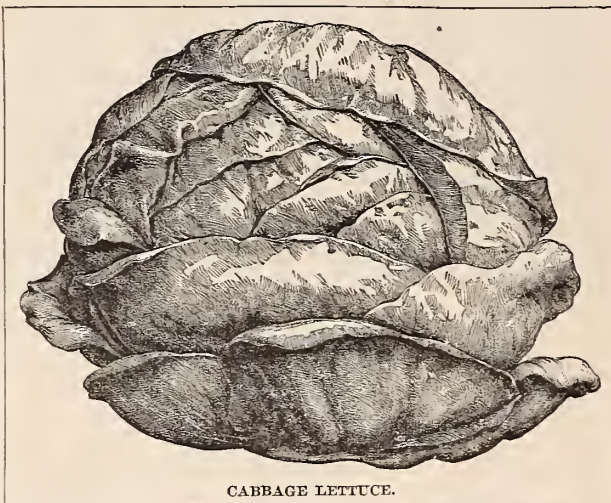
GHERKIN.

The Gherkin is not a Cucumber proper, but a little, rough, prickly fruit, that grows on a pretty vine, with leaves something like a Watermelon. It is liked for pickling, and is known as the West India Gherkin. What dealers call Gherkins are only small Cucumbers.

Gherkin , true West India; per oz., 25 cents.....	10
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LETTUCE.

Lettuce is divided into two classes; the Cabbage with round head and broad, spreading leaves; and the Cos, with long head and erect, narrow leaves. The Cabbage varieties are the most tender and buttery, and the Cos the most crisp and refreshing. The Cabbage form has a subdivision called Curled, from the form of the leaves. There are several varieties, with loose, curled leaves, having the habit of the Cabbage, though not forming solid heads, that are very pretty for garnishing, and considered by many the best in all respects. Sow in the open ground as early as possible; or, if you have plants from fall sowing, transplant them to a rich soil, giving plenty of room and hoe well. If the hot-bed is used, let it be started quite early. Give but little heat, and plenty of water, and air on fine days. Sow a couple of rows thick, in the front of the frame, to be used when young—say two inches in height. Let plants in the rest of the bed be about four inches apart. In a sunny country like America, Lettuce generally runs up to seed very early in the season, so that after the warm weather it is difficult to find a good head of Lettuce in most gardens. The remedy is to plant for late use in a cool, partially-shaded place in a rich soil, and this should be supplemented by a free use of water.



CABBAGE LETTUCE.

Lettuce, Early Tennis Ball , one of the earliest and best heading varieties; per lb., \$1.50; oz., 15 cents.....	5
Early Egg , very early; the very best for forcing; small, beautiful yellow head; per lb., \$3.00; oz., 30 cents.....	5
Hardy Green Winter , the old Hammersmith: a good Winter Lettuce; per lb., \$2.00; oz., 20 cents.....	5
Early Curled Simpson , an improvement on the old curled Silesia, very early; fine for forcing; per lb., \$1.50; oz., 15 cents.....	5
Black Seeded Simpson , similar in habit to the above, but much larger, and of lighter color; very crisp and tender; stands the heat of summer well; per lb., \$1.50; oz., 15 cents.....	5
Early Hanson , heads very large, solid, tender, crisp; flavor fine; stands summer heat well; one of the best sorts; per lb., \$1.50; oz., 15 cents.....	5
Boston Curled , a very beautiful sort for garnishing, fair quality, early; per lb., \$1.50; oz., 15 cents.....	5

Lettuce, New Premium Cabbage , the best variety we have ever grown; good solid head, keeping in good condition without going to seed longer than any other variety; excellent for all uses and seasons; per lb., \$2.50; oz., 25 cents.....	5
Buttercup , new; combines tenderness and delicacy of flavor with great beauty of foliage. It forms very solid heads, and is quite early and durable. Adapted for forcing as well as for a summer Lettuce; per lb., \$1.50; oz., 15 cents.....	5
Imperial White Cabbage , a fine variety; excellent for family use and market, as it withstands summer heat well, and remains a long time in the head before running to seed; per lb., \$2.00; oz., 20 cents.....	5
All the Year Round , a very hardy, compact Cabbage Lettuce, with small, close heads; in perfection a long time; per lb., \$1.50; oz., 15 cents.....	5



CURLED LETTUCE.

Paris White Cos , one of the best of the Cos varieties; per lb., \$2.00; oz., 20 cents.....	5
Garlic , per lb.....	30

GARLIC.



The Garlic is the most pungent of all the Onion family. It is much used in the South of Europe. The root or bulb is composed of many small bulbs called "cloves," which are planted in the spring six or eight inches apart, and in August the tops will die, when the bulbs are ready to gather. They do best in a light, rich soil.

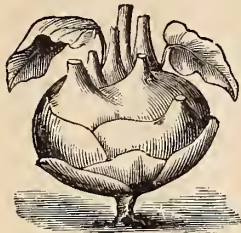
HORSE RADISH.

The best way to grow Horse Radish is from the little roots four or five inches in length, and not from the crowns. These small roots will produce good Radish fit for use in one season's growth. Plant the set small end down, where the slanting cut is, and so that the top will be two inches under the soil. It can remain in the ground till very late in the autumn, and be pitted, or a portion can remain in the ground until spring. A dozen roots will give all that will be needed for family uses for a life time, for it constantly increases and the danger is that it will spread too fast and become troublesome. It is best, therefore, to plant it in some corner of the garden, where it can grow without injuring anything.



Roots, per 100, \$1.00; per dozen.....	25
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KOHL RABI.

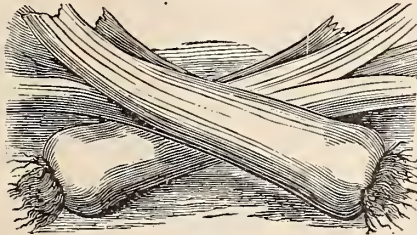


Kohl Rabi is sown for a general crop, in the spring, like the Turnip, in drills; or may be transplanted like Cabbage. For winter table use, sow middle of June. The stem, just above the surface of the ground, swells into a bulb something like a Turnip, as seen in the engraving. It is cooked like the Turnip, and is highly prized for stock, in Europe, as a substitute for Turnips. It will bear drought better, and therefore a crop is more certain.

- Kohl Rabi, Early White Vienna**, delicate, much prized for forcing; per lb., \$4.00; oz., 40 cents 10
- Early Purple Vienna**, another forcing variety, similar to above except in color; per lb., \$4.00; oz., 40 cents 10
- Large Early Purple**, beautiful purple, tender, and excellent for the table; per lb., \$1.50; oz., 15 cents 5
- Large Early White**, fine and tender for table; per lb., \$1.50; oz., 15 cents 5
- Large Late Green**, large and excellent for stock; per lb., \$1.50; oz., 15 cents 5
- Large Late Purple**, large and fine for stock; per lb., \$1.50; oz., 15 cents 5

LEEK.

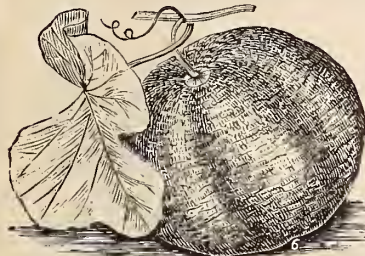
Seed is generally sown in the spring in a seed-bed, and young plants transplanted July 1st. The Leek is prized for soups, and is thought for this purpose to be superior to the Onion.



LEEK.

- Leek, Broad Flag**, per lb., \$1.25; per oz., 15 cents 5
- Musselburg**, per lb., \$2.25; oz., 25 cents 10

MELONS.



VICK'S PROLIFIC NUTMEG.

The Melon, being of tropical origin, reaches perfection only in a warm temperature. In this latitude we must give the Melon every possible advantage to secure earliness and thorough ripening. The same culture as recommended for Cucumbers will insure success. It is desirable also for the North to secure early ripening varieties. There are two distinct species of Melons, the Musk and the Water Melon. The former are the most easily

grown, though, with a selection of early sorts and a little attention at forwarding the young plants early in the season, a good crop of either can be secured almost anywhere. The Melon will grow and ripen well in a warm, sandy, poor soil, but when grown in such a situation the hill must be thoroughly enriched with plenty of available food for the roots.

MUSK MELONS.

- Musk Melon, Prolific Nutmeg**. (For description SEE COLORED PAGES). Per lb., \$2.00; oz., 20 cents 10
- Irondequoit**, new. (For description SEE COLORED PAGES). Per lb., \$4.00; oz., 40 cents; ½ oz., 25 cents 15

- Musk Melon, Early Christiana**, early, yellow fleshed; per lb., \$1.10; oz., 15 cents 5
- Emerald Gem**, new, small, extra early; skin dark green, smooth; flesh orange, and of delicious flavor. Per lb., \$1.25; oz., 15 cents 5



IRONDEQUOIT MUSK MELON.

- Golden Netted Gem**, an early, small, and very prolific variety, recently introduced, and quite popular with the melon growers of New Jersey; per lb., \$1.10; oz., 15 cts. 5
- Jenny Lind**, an early variety; small, but of excellent flavor; per lb., \$1.10; oz., 15 cents 5
- Miller Cream**, new; a cross between Sill's Hybrid and Casaba; flesh salmon in color, very thick, sweet, rich and melting. A strong grower and very productive. Per lb., \$2.00; oz., 20 cents 10
- New Early Hackensack**, a new strain of the well-known Hackensack Melon, but at least ten days earlier. The Melons weigh from four to ten pounds each; they are heavily netted, and have light green flesh of delicious flavor; per lb., \$2.00; oz., 20 cents 10
- Hackensack**, the most popular variety in the New York market. Large, round, of excellent flavor, and very productive; per lb., \$1.10; oz., 15 cents 5
- Champion Market**, new; shape almost round, deeply ribbed; skin heavily netted; flesh light green, rich and sweet. Single specimens weigh from four to five pounds each. It is an excellent shipping variety. Per lb., \$2.00; oz., 20 cents 10
- Green Citron**, large, with thick, green flesh, good flavor; per lb., \$1.10; oz., 15 cents 5
- Montreal Nutmeg**. Fruit of the largest size, often attaining a weight of fifteen to twenty pounds; shape nearly round, flattened at the ends, deeply ribbed; flesh remarkably thick, green, melting, and of the finest flavor; per lb., \$1.10; oz., 15 cents 5
- Bird Cantaloupe**. Undoubtedly the largest Musk Melon grown. The flavor is of a fair order, and Melons ripen some days in advance of Bay View and Golden Netted Gem; per lb., \$1.10; oz., 15 cents 5
- White Japanese**, deliciously and delicately sweet, flesh thick, very pale green, skin creamy white and very thin; per lb., \$1.10; oz., 15 cents 5
- Surprise**, an early, very productive variety, of delicious flavor. Skin thin, cream-colored; flesh thick, salmon-colored; per lb., \$1.10; oz., 15 cents 5
- Casaba**, or **Persian**, oblong, and very large, fine flavor, yellowish green flesh and netted skin; per lb., \$1.10; oz., 15 cents 5
- Bay View**, per lb., \$1.10; oz., 15 cents 5

WATER MELONS.

- Water Melon, Kolb's Gem**, a Southern variety, and very popular on account of its large size, immense yield, and good shipping qualities; flavor excellent; per lb., \$1.00; oz., 10 cents 5
- Florida Favorite**. A fine variety, size medium; shape oblong; color of rind, dark and light green stripes alternately; flesh bright crimson, very crisp and deliciously sweet. Ripens earlier than Kolb's Gem, Mammoth Iron Clad, or Rattlesnake; per lb., \$1.00; oz., 10 cents 5
- Mammoth Iron Clad**, so named on account of the hardness and tenacity of its shell, and its immense size. Specimen melons have been found to weigh seventy lbs. Flesh firm and of fine flavor; per lb., \$1.00; oz., 10 cents 5

JAMES VICK, Rochester, N. Y.:

Dear Sir.—I have just received your check for \$75.00 in payment of your first prize on melons. Besides this, my Irondequoit melons, raised from seeds bought of you, have this fall won first prizes over all competitors at our County Fair and at the Iowa State Fair. Please accept my thankful acknowledgment for your courtesy.

MANCHESTER, IOWA, Oct. 20, 1890.

Yours truly, B. F. HOYT.

ARCOLA, ILL., Sept. 1, 1890.

JAMES VICK SEEDSMAN, Rochester, N. Y.:

Dear Sir.—I have some magnificent Irondequoit melons raised from seed purchased of you last year. I never saw a melon that in any way could compare with this variety. In size they are as large as any melon on the market. Their appearance inside and out is most attractive. The seed cavity is very small, and, in flavor, sweetness and quality, they excel every other variety that I have tried, and those to whom I have given any say the same. Very respectfully, PERCY W. ARMSTRONG.

At the above prices we pay Postage or Express Charges.

Water Melon, Pride of Georgia, color dark green; oval in shape, ridged like an orange. It attains immense size, is crisp and sweet, and of excellent shipping quality; per lb., \$1.00; oz., 10 cents



VICK'S EARLY.

Though one of the oldest varieties, it is still one of the best; per lb., 90 cents; oz., 10 cents

Scaly Bark, desirable for shipping, as the rind is so tough they will bear a great deal of handling without injury. Size large; skin thin; flesh light crimson, tender, and of good flavor; per lb., \$1.00; oz., 10 cents

Phinney's Early, a valuable market variety; early and productive; flesh red, and of excellent quality; per lb., 90 cents; oz., 10 cents

Ice Cream, or Peerless, is a first-class Melon; flesh pink, sweet and melting; white seed; per lb., 90 cents; oz., 10 cents

Dark Icing, or Ice Rind, medium size; shape oblong; skin thin; flesh very solid, and of fine flavor; very prolific; per lb., 90 cents; oz., 10 cents

The "**Boss**," medium-sized; oblong; skin dark green; flesh deep red, and of a rich flavor; early and productive; per lb., \$1.00; oz., 10 cents

Cuban Queen, size large; skin striped; rind rather thick; flesh bright red, very solid, crisp, and of delicious flavor; per lb., 90 cents; oz., 10 cents

Seminole. New. Quite early, very large, enormously productive, and of delicious flavor. Oblong in shape; of two colors—gray and light green. Per lb., \$1.00; oz., 10 cents

Odelia, a large, round, very early sort; very popular where known; one of the best for shipping; per lb., 90 cts.; oz., 10 cts.

Mountain Sprout, long, striped; scarlet flesh, good quality, but not quite as early as Mountain Sweet; per lb., 90 cents; oz., 10 cents

Black Spanish, an old variety; one of the richest; round, rather small, dark green; red flesh, sweet and rich; per lb., 90 cents; oz., 10 cents

Georgia Rattlesnake, or Striped Gipsy. This is the Melon shipped in such large quantities from the South to our Northern markets. Fruit very large, oblong; skin striped with light and dark green; flesh red, of fine quality; per lb., 90 cents; oz., 10 cents

Orange. The flesh separates very easily from the rind, fair quality; per lb., \$1.10; oz., 15 cents

Citron, for preserves; flesh white and solid, seeds red; per lb., \$1.25; oz., 15 cents

Colorado Preserving. Very prolific; flesh firm and solid; seeds green; preserving qualities excellent. Per lb., \$1.00; oz., 10 cents

Vick's Early. Oblong, smooth, rather small, flesh bright pink, solid, sweet, and the earliest Melon that we are acquainted with; per lb., \$1.00; oz., 10 cents

Mountain Sweet, dark green, flesh red, sweet and rich, early and hardy,



VIEW OF A MUSHROOM BED IN OUR CELLAR.

MUSHROOMS.

Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at from 50 to 60 degrees. From some old pasture procure the soil, and store it away. To one bushel of this soil add two bushels of fresh horse manure. Of this well-mixed compound prepare a bed, say four feet in width. Put down a thin layer and pound it down hard, and go on until you have a bed eight inches thick. It will soon become pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover the bed with some two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, and cover with hay as before. Success in Mushroom growing depends so much upon a proper and uniform temperature, moisture, and perhaps other conditions of the atmosphere, that success is not always certain with the amateur. One pound of spawn is enough for a bed two feet by six.

Mushroom Spawn, English, lb., by mail	30
Per 8 lbs., by express, not paid.....	1 00
French, per lb., by mail	50
Two pound boxes, by express, not paid.....	75

OKRA.

The Okra is a vigorous, large plant, requiring a good deal of room, and the large kind should be planted not less than three feet apart, and the dwarf about eighteen inches. In mild climates it is only necessary to sow the seed in the open ground, about two inches deep, and then merely keep the ground clean and mellow, as for a hill of corn.

Okra is extensively grown in the Southern States. Its pods, when young, are used in soups, stews, etc., and are believed to be very nutritious.

Okra, White Velvet. The pods of this new variety are round and smooth, much larger than those of other sorts, and are produced in great profusion. Per lb., \$1.00; oz., 10 cents

Long Green, long pale green, and ribbed. Per lb., \$1.00; oz., 10 cents

Dwarf Green, earliest and best for the North. Per lb., \$1.00; oz., 10 cents



OKRA.

MUSTARD.

Mustard being very hardy, seed can be sown as soon as the soil is free from frost. Sow in shallow drills, and cut when a few inches in height. It grows rapidly, and several sowings may be made. The young Mustard leaves are used for spring salad.

Mustard, White , best for salad or culinary purposes; per lb., 40 cents; oz., 10 cents	5
Black , per lb., 40 cents; oz., 10 cents	5

SUNDERLAND, MASS., Nov. 7th, 1890.

JAMES VICK SEEDSMAN, Rochester, N. Y.:
Gentlemen,—The Yellow Globe Danvers Onion seed I obtained of you last spring gave entire satisfaction to me. The seed came up nicely, which could not be said of but a small proportion of the Onion seeds sold the past season. They made a good growth from the time they first appeared from the ground until ripened. Parties who saw the crop said that during their experience of over twenty years in growing Onions they had never seen as fine, shaped and perfectly well cured an Onion as those I grew from your seed this season. The stem on the greater portion of the crop when cured was so small as to almost resemble a thread, and the rich golden color of the Onions would be hard to excel.

Very truly yours,
T. L. BURT.

At the above prices you have no extras to pay.

ONIONS.

The American Onion seed we offer is all of our own growing, every Onion examined before planting, and we believe it to be the purest and best in the world. Any one who plants 100 seeds, and gives them good care may not only reasonably expect 90 good plants, but 90 good, sound, round Onions, unless they are sown so thick as to make it necessary to remove a part of them.

The Onion must have a clean and very rich soil. Use well rotted manure freely, and be sure to get the seed in as early as possible in the spring, no matter if it is ever so cold and unpleasant; for if Onions do not get a good growth before hot, dry weather, the crop is sure to be a failure. Thin out early, and keep the soil mellow and clear of weeds. Sow in shallow drills, not less than a foot apart, and thin out when the young Onions are about the size of quills. In doing this, disturb those that remain as little as possible. As Onions grow on the top of the ground, they may be allowed to remain pretty thick, no matter if they crowd each other. In hoeing to destroy weeds and keep the ground mellow, do not cover the young bulbs with earth. Four pounds of seed are usually required for an acre.

In cold or mucky soils, where the Danvers and Wethersfield varieties will not form bulbs, the Early Red should be tried, and will often succeed while others fail. It is an excellent variety and a good keeper. The NEW ITALIAN ONIONS, of which there are several admirable varieties, are of a sweet, mild flavor, and grow very large, often from one to four pounds. They do well at the South.

It has been found difficult to grow Onions from seed in the South, while from sets good crops are grown, and quite early. These Sets are little Onions grown the previous year, and taken up when as large as Peas. Set out in the spring they very soon form good large Onions. There are two other kinds of Onions that are not grown from seed, the POTATO and TOP ONIONS. The Potato Onion grows in clusters, under ground. These little bulbs are planted in the spring and produce large Onions. The large Onions are planted the next spring and produce the clusters. The Top Onion produces small clusters on the top of the stem, where seed is produced in the common kinds. The small Onions are planted in the spring, and the result is full grown Onions, and these large ones, with one year's growth, produce the clusters on the top for seed.

The Onion is usually a very profitable and satisfactory crop, and it is only occasionally that the market is over-stocked and the prices low. It is useless, however, to try to grow Onions on a poor, unsuitable soil or in a careless manner. Three days of neglect when the weeds are growing rapidly will sometimes ruin a crop, and a week too late in sowing often makes the difference between a good and bad harvest. For weeding, we can recommend either the Planet Jr. or Ruhlman's Wheel Hoe, which we have found very effective. See advertisement at end of this catalogue. Manure for Onions should be well rotted, and placed on or near the surface. With proper manuring, Onions can be grown on the same land for a score of years, and it will become cleaner and better every year. The Onion is such an important crop to large growers, and the preparation of the soil and culture so expensive, and consequently a failure from bad seed or other causes is so disastrous, that long ago we determined to sell no seed of the leading American kinds, except what we grew on our own grounds, and knew to be new, true and good. The Onion crop is usually exceedingly profitable, ranging from three hundred to five hundred bushels per acre, according to richness of soil, culture, etc. The price ranges from twenty-five cents to one dollar per bushel, but seldom less than fifty cents.

AMERICAN VARIETIES.

- Onion, **Wethersfield Red**, one of the best varieties for a general crop; of good size; red, flattish, productive; heads and keeps well; per lb., \$2.00; oz., 20 cents 5
- Early Red Globe**, early; good; per lb., \$2.25; oz., 25 cents..... 5
- Extra Early Flat Red**, earliest of all the American varieties good keeper; per lb., \$2.25; oz., 25 cents 5



- Onion, **Danvers Yellow Globe**, a fine, large, round Onion; very choice; per lb., \$2.00; oz., 20 cents 5
- Large Yellow**, a fine, large, flat Onion; forms bulbs readily; per lb., \$2.00; oz., 20 cents 5
- White Globe**, a large, white Onion, as large as Danvers's Yellow; per lb., \$2.50; oz., 25 cents 10
- Silver-Skinned**, true, white; delicate; early; not a good keeper; per lb., \$2.50; oz., 25 cents 10

NEW ITALIAN ONIONS.

These ITALIAN varieties are especially adapted for cultivation in the SOUTHERN STATES. At the North, only the early sorts will succeed, unless seed is sown in a hot-bed early in March, and the young Onions transplanted to the open ground as soon as they are the size of quills.

- New Giant Rocca, of Naples**, a splendid large Onion, of globular shape and light brown skin, sometimes weighing three pounds or more; per lb., \$2.00; oz., 20 cents 10
- Large Blood Red Italian Tripoli**, more flat than the preceding, quite as large, and blood red; per lb., \$2.00; oz., 20 cents.. 10
- Mammoth White Garganus, or Silver King**. The largest of the Italian varieties; flat; silvery white; mild and fine; per lb., \$2.75; oz., 30 cents 10
- Large White Flat Italian Tripoli**, very pure white skin, flat, very mild flavor; and as large as Giant Rocca; per lb., \$2.00; oz., 20 cents 10
- Early Flat White Italian Tripoli**, beautiful white skin, very mild, of rapid growth, early; per lb., \$2.00; oz., 20 cents..... 10
- Marzajola**, white, small, very early, and a good keeper; per lb., \$2.00; oz., 20 cents 10
- New Queen**, white skin, fine flavor, very small; the earliest Onion grown, per lb., \$2.75; oz., 30 cents..... 10

ONION SETS.

The prices of sets given below are based on the present market rates. Should fluctuations occur later in the season, we shall be obliged to vary prices on bushels and pecks in accordance with the market. The price per quart will remain unchanged.

At bushel or peck rates, the purchasers pay the freight or express. At the quart price we prepay postage.

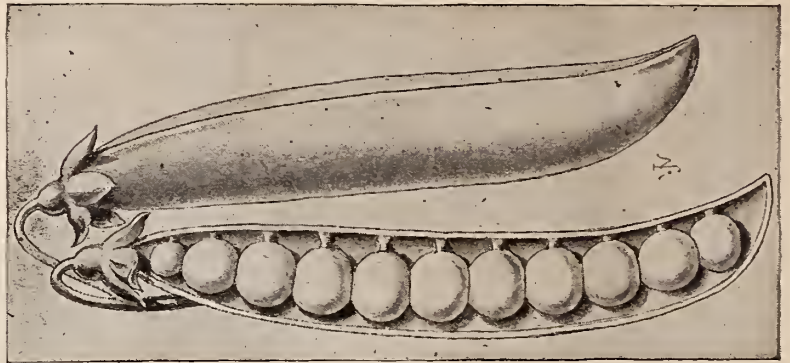
- English Multipliers or Potato Onions**, per bushel, \$4.00; peck, \$1.25; quart..... 40
- Yellow Bottom Sets**, per bushel, \$4.50; peck, \$1.35; quart.. 35
- White Bottom Sets**, per bushel, \$5.50; peck, \$1.60; quart... 40

Above Seeds prepaid at the prices named.

GARDEN PEAS.

The Pea is very hardy, and will endure a great amount of cold, either in or above the ground; and as we all want "green peas" as soon as possible in the season, they should be put in as early as the soil can be got ready—the sooner the better. The earliest Peas are mostly small, round, smooth and hardy, the tallest not growing more than from two to three feet in height. Of late years some very fine dwarf, sweet, wrinkled sorts of very great merit, like American Wonder and Little Gem, have been added to this class. The Late are large, mostly wrinkled, and formerly were nearly all tall, like the Champion of England, but very many excellent dwarfs have been added to the list. If the Earliest sorts are planted about the first of April, in this latitude, they will be fit to gather in June. Those a little later will come in about the Fourth of July. By sowing two or three varieties of Early and Late, as soon as practicable in the spring, a supply will be had from early in June to late in July, with only one sowing.

Sow Peas in drills not less than four inches deep, about a pint to forty feet. The drills must not be nearer than two feet, except for the lowest sorts. Those growing three feet high or more, should not be nearer than three or four feet, and should have brush for their support. The large, fine, wrinkled varieties, are not as hardy as the small



VICK'S EXTRA EARLY.

sorts, and if planted very early, should have a dry soil, or they are liable to rot. It is well to sow the earliest Peas just as soon as possible; in two or three weeks after make another sowing—a few more early, and some for late crop. The second sowing comes in nicely. Brush should be furnished to all but the dwarf kinds as soon as they appear above ground.

EARLIEST.

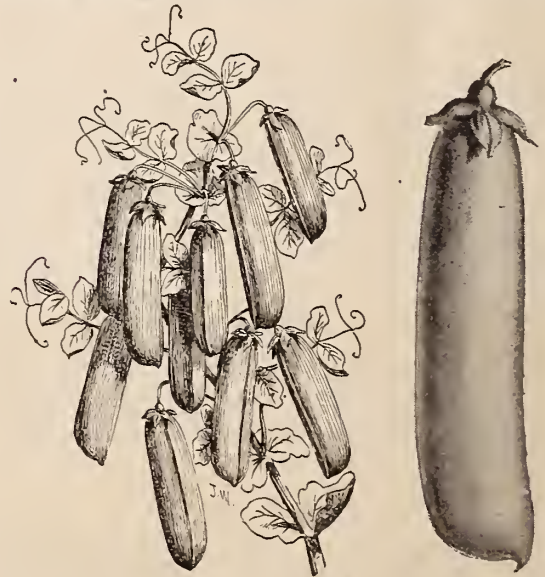
- Peas, **Vick's Extra Early**, the earliest of the very earliest Peas; unsurpassed, either for market or family use; of excellent quality, and unusually productive for so early a variety. Per quart, 45 cents. 10
- Kentish Invicta**, round, blue Pea, and the earliest blue variety grown, as early as First Crop, excellent for family or market. Two feet in height; per qt., 45 cents. 10
- Carter's First Crop**, very early and quite productive; height, 30 inches, and giving a large crop for so early a Pea; per quart, 45 cents. 10
- Blue Peter**, habit like Tom Thumb, but more robust, almost as dwarf, and immensely productive; per quart, 45 cents. 10
- Bliss' American Wonder** is the earliest wrinkled Pea in cultivation, and a superior cropper, bearing larger pods than the other early sorts, and having from six to nine large Peas in a pod. The vines are from ten to twelve inches high, and of robust habit; per quart, 55 cents. 10
- King of the Dwarfs**, new. (For description, SEE COLORED PAGES.) Per quart, 80 cents. 15
- McLean's Little Gem**, a green, wrinkled, marrow dwarf Pea, of a delicious, rich, sugary flavor; very early; per qt., 45 cts. 10

TELEPHONE.

- Horsford's Market Garden**, is a new wrinkled variety of superior quality. Growing from fifteen to twenty inches in height and very stocky; it requires no brushing. It is extremely prolific, bearing its pods in pairs; per quart, 45 cents. 10
- Tom Thumb**, very dwarf, 8 or 10 inches; per quart, 45 cents. 10
- Laxton's Alpha**, an excellent wrinkled Pea, earlier than Little Gem, growing about 30 inches; per quart, 45 cents. 10
- McLean's Advancer**, a dwarf, green, wrinkled marrow, of fine flavor and very prolific; per quart, 45 cents. 10

LATER CROP.

- Champion of England**, an old standard variety, popular everywhere; one of the richest and best flavored Peas grown; five feet in height; per quart, 45 cents. 10
- Yorkshire Hero**, a very fine, large, dwarf, wrinkled variety, of good quality and productive; per quart, 45 cents. 10
- Telephone**, a new wrinkled variety; a good cropper, bearing immense pods full of large Peas of exquisite flavor; per quart, 60 cents. 10
- Pride of the Market** is a strong grower, eighteen to twenty-four inches in height, and immensely productive. Pods large and handsome, and the Peas of fine quality; per quart, 55 cents. 10
- Bliss' Abundance**, a new and remarkably productive variety; plant about eighteen inches in height; pods three inches long; Peas large, wrinkled, and of superior quality; per quart, 45 cents. 10
- Bliss' Everbearing**, a new, late, wrinkled sort, about thirty inches high; very robust, bearing heavy crops of large, well-filled pods; Peas of excellent flavor. Owing to the branching habit of the plant, the Peas should be planted six inches apart; per quart, 45 cents. 10



AMERICAN WONDER.

- Dwarf Gray Sugar**, three feet; pods skinless and edible; per quart, 55 cents. 10
- Tall Gray Sugar**, five feet; edible pods, very large and long; per quart, 55 cents. 10
- Tall White Sugar**, four feet; edible pods; per qt., 55 cents. 10

Above Prices pay for full measure delivered free at your Post Office.



OHIO JUNIOR.

POTATOES.

We shall commence shipping just as soon as danger from freezing on the way is over. When so desired, we will pack two or three varieties in one barrel, without extra cost. No Potatoes sent by express unless we receive cash with order to prepay express charges. All orders filled directly from our bins. At the pound price we prepay postage. At peck, bushel and barrel rates the purchaser will pay Freight charges. At prices below we will sell as long as our stock lasts, no matter what advance there may be.

EXTRA EARLY VARIETIES.

Potato, Early Market, new. As the name implies, this variety is especially recommended to grow for early marketing, as it is unsurpassed in quality by any Potato in the early stages of growth, or unripe condition, cooking dry and mealy as soon as the tubers have attained a marketable size. The tubers are medium to large, light pink or flesh color, with the specks peculiar to the "Ohio" class, oval oblong, very uniform in size, eyes flush with the surface; both stem and seed ends are round and full. It is a good keeper, retaining its excellent quality from the time of harvesting until the next planting season. Price, per lb., 40 cents; 3 lbs., \$1.00; peck, 60 cents; bushel, \$2.00; barrel, \$5.00.

Ohio Junior. This new Potato originated with us in the year 1881, and although a chance seedling, it is without doubt in some way related to that good old sort, the "Early Ohio," as it is almost identical with that variety in the form and marking of the tubers, habit of growth, etc. The tubers are oval oblong, round at the seed end, with full eyes, that are almost even with the surface. It is an excellent keeper, very productive, of fine quality, and has proved to be a most valuable addition to our list of EXTRA EARLY varieties. Price, per lb., 40 cents; 3 lbs., \$1.00; peck, 60 cents; bushel, \$2.00; barrel, \$5.00.

Early Gem, one of the best early potatoes we have ever grown, and of excellent quality. It is of medium size, oval-oblong in form, very smooth, as the eyes are shallow and few in number. Color very light pink or flesh colored. Flesh white, fine grained, and exceedingly mealy, per lb., 35 cents; 3½ lbs., \$1.00; peck, 50 cents; bushel, \$1.60; barrel, \$4.00.

Early Ohio, a few days earlier than the Rose and similar in color and habit of growth, is more productive and equally as good for table and market purposes; per lb., 40 cents; 3 lbs., \$1.00; peck, 60 cents; bushel, \$2.00; barrel, \$5.00.



CHICAGO MARKET.

EARLY VARIETIES.

Potato, Boston Market, tubers medium to large, oval-oblong, slightly flattened. Color light pink, or flesh, with few eyes, almost flush with the surface. Very heavy yielder, and grows compact in the hill. For home use or marketing it is one of the best; per lb., 35 cents; 3½ lbs., \$1.00; peck, 50 cents; bushel, \$1.60; barrel, \$4.00.

Beauty of Hebron, very productive; skin white, tinged with pink around eyes; a good keeper, excellent for table use, either baked or boiled; per lb., 35 cents; 3½ lbs., \$1.00; peck, 50 cents; bushel, \$1.60; barrel, \$4.00.

Chicago Market, is one of the best Potatoes in cultivation, either for family use or market. The tubers are large and uniform in size, grow compact in the hill, eyes shallow and few in number. Flesh dry and well flavored. It is wonderfully productive and succeeds well in all soils so far as we can learn. The skin is light flesh color, but partially covered with a russet coating; flesh white; per lb., 35 cents; 3½ lbs., \$1.00; peck, 50 cents; bushel, \$1.60; barrel, \$4.00.

SECOND EARLY.

Green Mountain. The wonderful productiveness, large size, and splendid quality of this variety has won for it an excellent reputation. It has given the best of satisfaction wherever grown, so far as we can learn. The growth of the crop is strong and vigorous, branching freely, tubers white, very large and slightly flattened, with few eyes, which are quite flush with the surface, except at the seed end. Per lb., 35 cents; 3½ lbs., \$1.00; peck, 50 cts; bush., \$1.60; bbl., \$4.00.

Vick's Perfection, new. (SEE COLORED PAGES.) Per lb., 40 cents; 3 lbs., \$1.00; peck, 50 cents; bushel, \$1.60; barrel, \$4.00.

White Star, an excellent white Potato, with slightly russeted skin; tubers large, long, and of the finest quality. It is a strong grower, very productive, and may be classed among the best varieties for table use or marketing; per lb., 35 cents; 3½ lbs., \$1.00; peck, 50 cts; bushel, \$1.60; barrel, \$4.00.

White Superior, a new and very productive white variety; tubers large, round, somewhat oblong, and slightly flattened. It is a vigorous grower, and yields heavily, even on ordinary soil. The eyes are large and strong, but quite even with the surface; per lb., 35 cents; 3½ lbs., \$1.00; peck, 50 cents; bushel, \$1.60; barrel, \$4.00.

Mammoth Pearl, skin white, tubers medium to large; eye quite even with the surface; very productive, and for table use or marketing is an excellent variety, being exceedingly floury and well flavored; lb., 35 cts.; 3½ lbs., \$1.00; peck, 50 cts.; bushel, \$1.60; bbl., \$4.00.

LATE.

Vick's Champion, new, wonderfully productive. (SEE COLORED PAGES.) Per lb., 40 c.; 3 lbs., \$1.00; peck, 60 c.; bush., \$2.00; bbl., \$5.00.



EARLY HEBRON.



VICK'S PERFECTION.

PARSLEY.

Parsley seed germinates very slowly; it should be started in a bed, if possible. For outdoor sowing always prepare the seed by placing in hot water to soak for twenty-four hours, in a warm place. When the plants are a few inches in height, set them in rows, three or four inches apart. Parsley lives through the winter, and seed may be sown in the autumn. Some of the Curled varieties are really beautiful for garnishing, and handsome enough for bouquet green.

- Parsley, "Beauty of the Parterre." The most beautiful of all the Parsleys. Fine for lines and edgings in the flower garden, and exquisite for garnishing. Habit dwarf and spreading. Plants should be set eight inches apart; per lb., \$1.25; oz., 15 cts. 5
- Enfield Matchless, one of the most delicate of the curled sorts; per lb., \$1.00; oz., 10 cents. 5
- Carter's Champion Moss Curled, somewhat similar to Enfield Matchless, but very much superior; fine for garnishing; per lb., \$1.00; oz., 10 cents. 5
- Fern-Leaved, a beautiful mossy variety; per lb., \$1.00; oz., 10 cents. 5
- Giant Curled, very large growth, finely curled; per lb., \$1.00; oz., 10 cents. 5
- Hamburg, or Large Rooted. The roots are used for flavoring soups; per lb., \$1.00; oz., 10 cents. 5

PUMPKINS.

The Pumpkin is now little used, except for agricultural purposes, the Squashes being so much sweeter and drier, and finer grained for the kitchen. The farmer, however, finds the Pumpkin a serviceable addition to his feed.



- Pumpkin, Large Cheese, flat, yellow-fleshed, fine-grained, productive; per lb., 80 cents; oz., 10 cents. 5
- Cushaw, or Crook-Neck, solid flesh, fine and sweet; keeps well; per lb., 80 cents; oz., 10 cents. 5
- Sugar, small, but fine grain, and very sweet; fine for table use; per lb., 80 cents; oz., 10 cents. 5
- Large Tours, or Mammoth, grows to an immense size, often weighing over 100 pounds; per lb., \$1.00; oz., 10 cents. 5
- Mammoth Red Etampes, skin brilliant glossy red; flesh deep orange and very thick. Matures early; per lb., \$1.00, oz., 10 cents. 5
- Large Yellow Mammoth. The largest of all Pumpkins. Round in shape, flattened at both ends. Desirable for exhibition purposes; per lb., \$1.00; oz., 10 cents. 5
- Connecticut Field, per lb., 40 cents; oz., 10 cents. 5

PEPPER.

Sow the seeds early under glass, or in the open ground in warm weather; transplant when three inches high.

- Pepper, Ruby King, a handsome and very productive variety; fruit 4½ to 6 inches long by 3½ to 4 inches broad. When ripe they are bright ruby-red; remarkably mild and pleasant. Per oz., 40 cents; ½ ounce, 25 cents. 5
- Golden Dawn, a new variety, resembling the Large Bell in shape, but more delicate in flavor, and the color is a rich, golden yellow; per oz., 30 cents; ½ oz., 20 cents. 5
- Large Bell, very large—nearly four inches long and three inches in diameter; glossy red; per oz., 30 cents; ½ oz., 20 cents. 5
- Sweet Mountain, or Mammoth, much like Bell, perhaps a little larger; per oz., 30 cents; ½ oz., 20 cents. 5
- Monstrous, or Grossum, a French variety, the largest we have ever grown; per oz., 30 c.; ½ oz., 20 cents. 5



SWEET MOUNTAIN, OR MAMMOTH.

- Pepper, Tomato-formed Red, large, 3 inches in diameter and 2 inches in length; per oz., 30 cents; ½ oz., 20 cents. 5
- Tomato-formed Yellow, similar to the above, except in color; per oz., 30 cents; ½ oz., 20 cents. 5
- Long Red, beautiful and productive, four inches long, flesh thick and pungent; per oz., 30 cents; ½ oz., 20 cents. 5
- Long Yellow, similar to the above except in color; per oz., 30 cents; ½ oz., 20 cents. 5
- Cherry-formed, small, roundish, very productive; makes a pretty plant; very hot; per oz., 30 cents; ½ oz., 20 cents. 5
- Cayenne, long, slender, pungent; per oz., 30 cts.; ½ oz., 20 c. 5
- Red Chili, small, bright red; best for Pepper Sauce; per oz., 30 cents; ½ oz., 20 cents. 5
- Red Cluster, resembles the Chili, but the leaves are smaller, and the fruit crowded in clusters at the ends of the branches; per oz., 40 cents; ½ oz., 25 cents. 5
- Cranberry, fruit very small; used for pickles; per oz., 40 cts.; ½ oz., 25 cents. 5



PARSNIPS.

Sow Parsnip seed as early in the spring as the ground can be made ready, in drills from 12 to 18 inches apart, and about an inch deep. The Parsnip will bear frost without injury, and if we were to say it is the best root in the world for fattening cattle and pigs, it would not be far from the truth. We know large sections of country where hogs are fattened entirely on Parsnips. The roots may remain in the ground for spring use, in the North, if needed for winter, may be dug and covered, like potatoes. A light covering will answer. There are a good many varieties, some smoother than others, but we consider the two named below the best.

- Parsnip, Long Hollow Crown, one of the very best Parsnips grown, either for stock or the table; per lb., 80 cts.; oz., 10 cts. 5
- Carter's New Maltese, claiming improvement over old sorts; per lb., 80 cts.; oz., 10 cts. 5

SEA KALE.

Sea Kale is a favorite in many parts of Europe, and the flavor is somewhat like Asparagus, but thought to be better. The part eaten is the young shoots that appear in the spring, and they are not good until blanched. Sow in the spring, and plant out like Cabbage. During the summer the plant will make a slender growth. The plant being perennial, young shoots appear the second spring, and these are covered with earth to blanch, or with a flower pot; and if it is desired to force them, cover the pot, and earth around with fresh manure.



- Sea Kale, per oz., 30 cents. 10

Postage and Expressage paid by us at above prices.

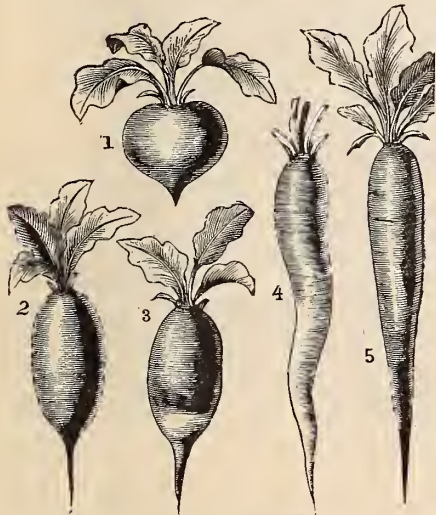
RADISH.

Radish must make a rapid growth to be crisp and tender. For early use, seed should be sown in the hot-bed, in drills four or five inches apart and half an inch deep. For an early crop in the open ground select a sandy soil, and a warm, south border, under the shelter of a fence or building, if possible. A load of fresh, sandy loam from the woods is better than manure for the Radish crop. As soon as the first leaves appear, sprinkle with soot or ashes to save from the little turnip fly. The Winter Radish should be sown about the middle of summer, and like the Turnip makes its best growth in the autumn. Pitted out of doors, or buried in earth in a cool cellar, it will keep crisp all winter.



VICK'S SCARLET GLOBE.

- Radish, **Vick's Early Scarlet Globe.** (For description, SEE COLORED PAGES); per lb., \$1.00; oz., 10 cents 5
- Rose Olive-Shaped,** oval; very tender and excellent; an inch and a half long; fig 2. Per lb., 70 cents; oz., 10 cents 5
- Scarlet Olive-Shaped,** like the above, except in color; per lb., 70 cents; oz., 10 cents 5



- Scarlet, Olive-Shaped, White Tip,** called New French Breakfast; very tender and beautiful; fig. 3. Per lb., 70 cents; oz., 10 cents 5
- White Olive-Shaped,** like the other olive-shaped varieties in everything except color; per lb., 80 cents; oz., 10 cents 5
- Wood's Early Frame.** Similar to Long Scarlet, but shorter, earlier, and better adapted for forcing. Per lb., 70 cents; oz., 10 cents 5

- Philadelphia White "Box."** (For description, SEE COLORED PAGES) 10
- Scarlet Turnip,** round, about an inch in diameter; skin scarlet; flesh white; good; fig. 1. Per lb., 70 cents; oz., 10 cents 5
- Early Round Dark Red,** especially adapted for forcing, on account of its very small tap-root and tops. It is also as good for summer use in the open ground as any of the summer sorts. Skin dark red; flesh white, crisp and tender; per lb., 70 cents; oz., 10 cents 5
- White Turnip,** similar to above, except in color, and being less pungent, and a few days later; per lb., 70 cents; oz., 10 cents 5
- Yellow Turnip,** similar to the preceding, except in color; per lb., 70 cents; oz., 10 cents 5
- Long Scarlet Short-Top,** the favorite long market Radish everywhere; six or seven inches long; fig. 5. Per lb., 70 cents; oz., 10 cents 5



- Radish, White Strasburg Summer, or White Hospital.** A large, white, showy, half-long variety; matures quickly; a leading market variety in some of the larger cities; per lb., 90 cents; oz., 10 cents 5
- Long White Vienna, or Lady Finger.** The finest long white Radish grown. Beautiful in shape; skin and flesh snow white; crisp and tender in summer. Per lb., 90 cts.; oz., 10 cents 5

- Long White Naples,** a beautiful, long, clear white Radish, tinged with green at the top; excellent for a late Radish; fig. 4. Per lb., 70 cents; oz., 10 cents 5
- Beckert's Chartier,** a new and very distinct variety; color red at the top, shading to pink in the middle, and passing into pure white at the end of the root. It attains a large size before becoming unfit for use; per lb., 90 cents; oz., 10 cents 5
- Chinese Rose Winter,** sow in summer, same as Turnips; fig. 9. Per lb., \$1.00; oz., 10 cents 5
- Black Spanish Winter, Round,** fig. 8, per lb., 70 cents; oz., 10 cents 5
- Black Spanish Winter, Long,** per lb., 70 cents; oz., 10 cents 5
- Large White Spanish Winter,** per lb., 70 cents; oz., 10 cents 5
- California Mammoth White Winter,** is really a Chinese Radish, grown by the Chinese in California; 8 to 12 inches long, and from 2 to 3 inches in diameter; white, solid and good flavor; fig. 6. Per lb., \$1.00; oz., 10 cents 5



RHUBARB.

The Rhubarb, or Pie Plant, is grown from divisions of the roots, and from seed. If seed is sown in a good, mellow soil, strong plants will be obtained in one year, and some cutting may be done the second spring. Plants put out in a rich soil in the spring are in fine condition the second season. In spring, about two weeks before frost is gone, cover one or two of the finest roots with barrels, and over and around the barrels place a heap of warm manure, and in a short time look out for delicious, tender Pie Plant. Pie Plant can also be grown in a tub in any corner of the greenhouse, or in a light cellar. It will thrive under almost any treatment when the soil is rich and



RHUBARB. moist, and without much light.

- Rhubarb, Myatt's Victoria,** per oz., 20 cents 5
- Linnaeus,** per oz., 20 cents 5
- Roots, per dozen, \$2.50; each 20

SPINACH.

Sow in the autumn for spring use, in good drained soil, in drills a foot apart. As soon as the plants are well up, thin them to about three inches apart in the rows. Covering with a little straw or leaves before winter is useful but not necessary. For summer use sow as early as possible in the spring. To raise Spinach in perfection the soil should be rich.



- Spinach, New Thick-Leaved,** a fine market sort. Leaves large and thick, and somewhat crumpled. Does not run to seed as early as other varieties; per lb., 40 cents; oz., 10 cents 5
- Round, or Summer,** for spring sowing; per lb., 40 cents; oz., 10 cents 5
- Bloomsdale Savoy-Leaved,** the earliest variety; comes quickly to a suitable size for use, but soon runs to seed; per lb., 40 cents; oz., 10 cents 5
- Prickly, or Fall,** hardiest and best for fall sowing; per lb., 40 cents; oz., 10 cents 5
- New Zealand,** very large and luxuriant; endures drought well and produces a large quantity of leaves; plants should stand at least two feet apart; per lb., 90 cents; oz., 10 cents 5

At the above prices we pay Postage or Express Charges.

SQUASHES.

The Squashes are of tropical origin, and therefore it is useless to plant them until the soil is quite warm, and all danger of frost or cold nights is over; and as they make a very rapid growth there is no necessity for haste in getting the seed into the ground. Squashes are good feeders, and like a rich soil; it is best to mature in the hill. Sow a dozen seeds in each hill, and when danger from "bugs" is over pull up all but three or four. A mellow, warm soil is



SUMMER CROOK NECK.

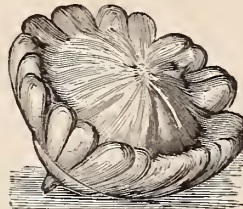


ESSEX HYBRID.

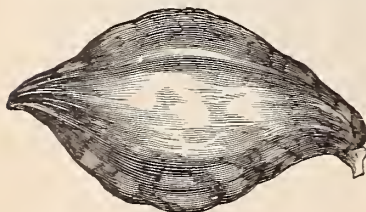
Squash, Early Bush Scollop, a good, early Summer Squash, taking but little room, and bearing abundantly; plant in hills three feet apart; per lb., 90 cents, oz., 10 cents..... 5

Early Bush Crook-Necked, the richest Summer Squash; very early and productive; plant in hills four feet apart; per lb., 90 cents; oz., 10 cents..... 5

Perfect Gem, small, flattened, slightly ribbed; of a creamy white color, flesh fine grained, dry, sweet, and of good flavor; sets its fruits near the root. Very productive, as many as twenty-four Squashes having been grown on a single vine. Good for summer use, but better as a winter Squash; per lb., 90 cents; oz., 10 cents..... 5



BUSH SCOLLOP.



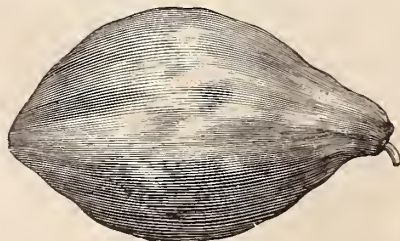
HUBBARD.

Hubbard, the standard Winter Squash, and a general favorite; no better variety grown; more generally cultivated as a late sort than any other; flesh fine grained, dry and of excellent flavor; almost as good as the Sweet Potato; per lb., 90 cents; oz., 10 c..... 5

good winter Squash, resembling the Hubbard; sometimes quite as good, though more variable; per lb., 90 cents; oz., 10 cents..... 5

Essex Hybrid, or Hard Shell Turban. A cross between the Hubbard and American Turban, having the color, shape and fine quality of the Turban, with the dryness and hard shell of the Hubbard. A good keeper; flesh very thick, fine grained and solid; very productive; very early, and of rapid growth; per lb., 90 cents; oz., 10 cents..... 5

Turban, or Turk's Cap, a good fall and early winter Squash; in form it somewhat resembles a turban; flesh orange; almost as good as Hubbard, and weighing about six pounds; per lb., 90 cents; oz., 10 cents..... 5



MARBLEHEAD.

Squash, Bay State. This new variety is a very good yielder. Its shape is similar to that of Essex Hybrid, though it is a little smaller in size. Color, dark green; shell thick; flesh very thick, dry, fine-grained, and sweet; per lb., \$1.00; oz., 10 cents..... 5

Sibley, or Pike's Peak. A very distinct and valuable variety. Shell pale green, very hard; flesh solid and thick, orange color, and of a rich and delicate flavor; per lb., \$1.00; oz., 10 cts..... 5

Boston Marrow, a good, tender, rich variety, for fall and winter; per lb., 90 cents; oz., 10 cents..... 5

Winter Crook-Neck, of fair quality, very hardy and a good keeper; per lb., 90 cents; oz., 10 cents..... 5

TOMATOES.

To obtain fruit very early, sow in the hot-bed in March. In about five weeks plants should be transplanted to another hot-bed, setting them about four or five inches apart. Here they should remain, having all the air possible, until about the middle of May, when they may be put out in the ground. If not too early or too cold, a cold frame will answer for the first transplanting. Pinching off a portion of the side branches, and stopping others just beyond where the fruit is formed hastens the ripening. Very good plants can be grown in boxes in the house. No plant will bear training better than the Tomato, and they can be made very pretty. We have described below the very best varieties in the world, and none that do not possess some merit.



DWARF CHAMPION.

Tomato, McCullom's Hybrid, new. (For description, SEE COLORED PAGES)..... 10

Hathaway's Excelsior, early, medium to large, smooth as an apple; very solid, and of excellent quality every way; one of the best Tomatoes we have ever grown; per oz., 40 cents; ½ oz., 25 cents..... 5

Dwarf Champion, new. (For description, SEE COLORED PAGES)..... 5

Acme, a fine, solid, smooth, early variety, medium size, red, with a purplish tinge. It has become quite popular; per oz., 30 cents; ½ oz., 20 cents..... 5

Livingston's Beauty. A variety sent out by the originator of Acme, Paragon, Favorite and Perfection Tomatoes, resembling the Acme, but of a lighter shade of purple. It is a good yielder, ripens with the Acme and Perfection, and is a good sort for shipping on account of its solidity and toughness of skin. Per oz., 30 cents; ½ oz., 20 cents..... 5

At the prices named above we prepay Postage or Express Charges.

- Tomato, Livingston's Perfection.** A good productive and solid Tomato, originated by Mr. Livingston, who produced the Paragon and Aeme; per oz., 30 cents; ½ oz., 20 cents 5
- Livingston's Favorite,** is a very large and perfect shaped Tomato, smoother than the Paragon, darker red than the Perfection; ripens evenly; very prolific; good flavor; flesh solid; bears shipping long distances; per oz., 30 cents; ½ oz., 20 cents 5
- Paragon,** medium size, smooth, solid, and of excellent quality; second early; per oz., 30 cents; ½ oz., 20 cents 5
- Mikado,** a rank, strong grower, bearing exceedingly large, solid fruit, of good flavor. Early, and a very heavy cropper; per oz., 30 cents; ½ oz., 20 cents 5
- Optimus,** a handsome, smooth, bright red variety; flesh very solid and of good flavor. An early sort, with excellent shipping qualities; per oz., 30 cents; ½ oz., 20 cents 5
- Conqueror** is an early Tomato, ripening a few days after Curled Leaf. Too soft for shipping; per oz., 30 cents; ½ oz., 20 cents.... 5
- Trophy,** very large, pretty smooth, very solid, and of fair quality; too late or it would be popular; oz., 40 cents; ½ oz., 25 cents 5
- Large Yellow,** bright yellow, large, smooth; per oz., 30 cents; ½ oz., 20 cents 5
- Cherry, Yellow and Red,** small early varieties, for preserving and pickling; each, per oz., 30 cents; ½ oz., 20 cents..... 5
- Pear-Shaped,** fine for preserving and pickling; per oz., 30 cts., ½ oz., 20 cents 5
- Yellow Plum-Shaped,** a beautiful variety, used for preserving and pickling; per oz., 30 cents; ½ oz., 20 cents 5
- Strawberry, or Winter Cherry,** a distinct species, prized for preserving; per oz., 50 cents; ½ oz., 30 cents 5

SALSIFY.



Salsify, or Vegetable Oyster, is considered by many a delicious vegetable, in fact, a great luxury, and is used for soups, also boiled, fried, etc., and possesses the flavor of the oyster for which it is sometimes used as a substitute. The culture is the same as for Carrots and Parsnips, but it flourishes best with longest, smoothest roots, in a rather light or mellow soil that has been well pulverized to the depth of eighteen inches. Sow early in the spring, in drills, a foot or more apart, covering the seed not more than two inches in depth. Thin out to 6 inches apart. Put seed in the ground as early as possible in the spring. A portion of the crop may remain in the ground all winter, like the Parsnip.

- Salsify, White French,** per lb., \$1.60; oz., 15 cents 5
- Mammoth Sandwich Island,** a large and superior variety, pure white; per lb., \$2.00; oz., 20 cts. 10
- Black, or Scorzonera,** a black variety, with a somewhat bitter root, not much used at present; per oz., 30 cents 10

TURNIPS.

The soil for Turnips should be rich and mellow. Sow in drills, from twelve to eighteen inches apart, and half an inch deep. When the plants are a few inches in height, and strong enough to resist the attacks of insects, thin them out to some five or six inches apart in the drills. Swede, or Ruta Baga Turnips should be sown by the first of June, the rows being about eighteen inches apart, and the plants in the rows not less than ten inches. The Common, or English Turnip, comes to perfection in a short time, and if the weather is showery in the Autumn will mature if sown very late. In this climate we sow from the 25th of July until the middle of August. The Ruta Bagas are excellent for all kinds of stock, and are relished by all. Every farmer should grow this Turnip.

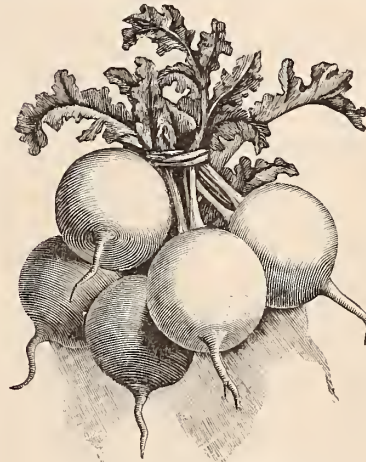
- Turnip, Early White Flat Dutch,** size medium; grows quick; per lb., 60 cents; oz., 10 cents 5
- Early Yellow Dutch,** one of the best for the garden; per lb., 60 cents; oz., 10 cents 5

- Turnip, Strap-Leaved, White-Top,** roundish, of medium size; one of the best, either for market or family use; per lb., 60 cents; oz., 10 cents 5



WHITE-TOP STRAP-LEAF.

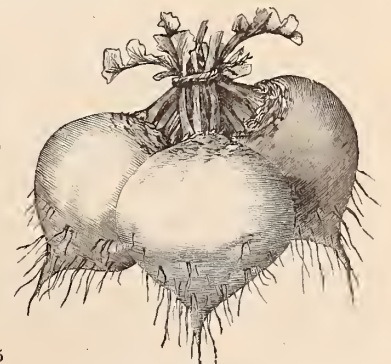
- Strap-Leaved, Purple-Top,** similar to above, purple above ground; per lb., 60 cents; oz., 10 cents 5
- Purple-Top Globe.** An improved variety of the purple-top flat turnip. Globular in shape, of fine appearance, a good keeper, of excellent quality and equally desirable for table or stock. Per lb., 60 cents; oz., 10 cents..... 5
- Extra Early Milan,** new white variety, purple-top and strap-leaf. It is full as early as the purple-top Munieh, and far superior to that variety. Remains in good condition a long time; per lb., 80 cents; oz., 10 cents..... 5
- Early Purple-Top Munieh,** two weeks earlier than the common early purple-top, which it resembles; per lb., 75 cents; oz., 10 cents 5



EARLY WHITE SIX WEEKS.

- Early Snowball.** Small, solid, sweet, of remarkably quick growth. Per lb., 60 cts.; oz., 10 cts 5
- Early White Six Weeks,** very early and fine; per lb., 60 cents; oz., 10 cents 5
- Early White Stone,** a good, globe-shaped Turnip; per lb., 60 cts.; oz., 10 cents 5
- Early Yellow Stone,** similar to above, except in color; per lb., 60 cents; oz., 10 cents 5
- New White Egg,** a very excellent variety, nearly oval, or egg-shaped; flesh firm and fine-grained, and of snowy whiteness; particularly desirable for the table; can be sown as late as the middle of August; per lb., 60 cents; oz., 10 cents 5
- White Globe,** large, white; fine for field culture; per lb., 50 cents; oz., 10 cents..... 5
- White Norfolk,** a popular variety for feeding; per lb., 50 cts.; oz., 10 cents 5

- Jersey Navet,** a delicate, white Turnip; long, somewhat like the Parsnip in form; one of the best for the table, very sweet; per lb., 80 cents; oz., 10 cts. 5
- Long White Cow Horn.** Matures very quickly; roots carrot-shaped; about half above ground; flesh white, fine grained, sweet, and of excellent quality for table use. Per lb., 75 cents; oz., 10 cents..... 5



WHITE SWEDE.

- Orange Jelly,** a very beautiful yellow Turnip, one of the very best yellows for the table; per lb., 70 cents; oz., 10 cents 5
- Yellow Globe,** an excellent, smooth, yellow, round Turnip, of large size, known in some places as Golden Ball; per lb., 60 cents; oz., 10 cents 5

At above Prices you have no extras to pay.

Turnip, Green-Top Yellow Aberdeen, excellent; per lb., 60 cts.; oz., 10 cts. 5
Sweet German. This celebrated Turnip is white, sweet, a long-keeper, and generally solid until midsummer. It should be sown as early as the Swedes; per lb., 60 cents; oz., 10 cents 5
Seven Top. Sown in the Southern States in the fall for Turnip Greens. Per lb., 60 cents; oz., 10 cents 5

RUTA BAGA, OR SWEDE TURNIPS.

Ruta Baga, or White Sweet, a large, white, solid Swede, sometimes called White Russian; per lb., 60 cents; oz., 10 cents 5
White Red Top, a French Swede, with reddish purple top, sweet and solid; per lb., 60 cents; oz., 10 cents 5



PURPLE TOP SWEDE.

Turnip, Green Top, a round, solid, sweet variety, very productive; per lb., 60 cents; oz., 10 cents 5
Laing's Purple Top, an old and favorite variety; good keeper; solid and productive; per lb., 60 cents; oz., 10 cents 5
Carter's Imperial Purple-Top, one of the best Purple Top varieties grown; very hardy; per lb., 60 cents; oz., 10 cents 5
Skirving's Liverpool, good quality, and of medium size, very solid and sweet; the best for a shallow soil; per lb., 60 cts.; oz., 10 cents 5
Hall's Westbury, one of the finest purple-top Swedes in cultivation; good for table or for stock; per lb., 60 cents; oz., 10 cents 5

USEFUL HERBS.

A few Pot Herbs and Sweet Herbs should have a place in every vegetable garden. Every cook and every good housekeeper knows the value of the little patch of herbs upon which she makes daily drafts in the summer, and which furnishes such a nice collection of dried herbs for winter seasoning, without which the Thanksgiving turkey would be scarcely worth the having; while as domestic medicines several kinds are held in high repute. A very small space in the garden will give all the herbs needed in any family. The culture is very simple; and the best way is to make a little seed-bed in the early spring, and set the plants out in a bed as soon as large enough. As a general rule it is best to cut the herbs when in flower, tie them up in small bunches and hang in the shade to dry. We give a list of the herbs generally cultivated and prized. Of some kinds we furnish roots, as will be seen below.

Anise, per lb., \$1.00; per ounce, 10 cents.....	5	Nigella sativa, (All Spices), per oz., 10c.....	5
Arnica, per ounce, \$4.00.....	10	Rosemary, per ounce, 50 cents.....	5
Balm, per ounce, 30 cents.....	5	Rue, per ounce, 20 cents.....	5
Basil, Sweet, per ounce, 20 cents.....	5	Saffron, per ounce, 15 cents.....	5
Bene, per ounce, 20 cents.....	5	Sage, per lb., \$1.50; per ounce, 15 cents.....	5
Borage, per ounce, 15 cents.....	5	Savory, Summer, per ounce, 15 cts.....	5
Caraway, per lb., \$1.00; per ounce, 10 c.....	5	Savory, Winter, per ounce, 25 cents.....	5
Catnep, per ounce, 50 cents.....	5	Sorrel, French, per ounce, 20 cents.....	5
Coriander, per ounce, 10 cents.....	5	Tansy, per ounce, 30 cents.....	5
Cumin, per ounce, 20 cents.....	5	Tarragon, per ounce, \$4.00.....	20
Dandelion, per ounce, 25 cents.....	5	Thyme, Broad-Leaved English, per ounce, 30 cents.....	5
Dill, per ounce, 10 cents.....	5	Summer, per ounce, 30 cents.....	5
Elecampane, per ounce, 50 cents.....	5	Winter, per ounce, 30 cents.....	5
Fennel, Large Sweet, per ounce, 10 cents.....	5	Wormwood, per ounce, 30 cents.....	5
Hoarhound, per ounce, 50 cents.....	5	Sage, roots, by mail, per doz., \$2.00; each.....	20
Hop Seed, per ounce, \$1.50.....	25	Rosemary, roots, by mail, per doz., \$2.00; each.....	20
Hyssop, per ounce, 30 cents.....	5	Lavender, roots, by mail, per doz., \$2.00; each.....	20
Lavender, per ounce, 20 cents.....	5		
Majoram, Sweet, per ounce, 25 cts.....	5		

HEDGE SEEDS.

Those who wish to have hedges, and are not in too much haste, can grow their own plants by sowing seed in drills, pretty thickly, and keeping the ground clean and mellow for one summer. Before sowing soak the seed in warm water for twenty-four hours.

Honey Locust, per lb., by mail, 40 c.; 100 lbs., delivered on board cars..... \$20 00
Osage Orange, by mail, per lb..... 60

FIELD LUPINS.

Popular for soiling and for sheep. Sow in the spring and plow under when in flower.

Lupin, White, considered the best in most respects; per lb. 30
Yellow. A little less thrifty than the White, but keeping green longer; per lb. 30
Blue, somewhat used for soiling, but not yet so well known; per lb. 30

BROOM CORN.

The Evergreen is the favorite Broom Corn, and we think our stock is as pure as any.
Evergreen, per quart 40

SUGAR CANE.

The Early Amber seems to be far the best variety for the production of Syrup and Sugar, and is grown and used extensively, particularly in the Northwest.
Early Amber Sugar Cane, per qt. 40

TOBACCO.

Connecticut Seed Leaf, per oz., 25 c. 10
Havana, or Cuban, per oz., 30 cents 10

STANDARD VARIETIES OF SEED GRAIN, &c.

At pound or quart prices we prepay postage. Pecks or bushels by Express or Freight at expense of purchaser. Special prices on large quantities.

FIELD CORN.

Champion White Pearl. A new, early, thorough-bred, white dent Corn, from Illinois. It ripens in 90 to 100 days from time of planting. The grain is large and cob small, makes a good sized ear, averaging sixteen rows of grain. Per quart, 40 cents; per peck, 65 cents; per bushel, \$2.00.
Golden Beauty. Ears perfect in shape, 10 to 16 rows, grains very large, filled out to the extreme end of the cob; very productive. Per quart, 40 cents; peck, 65 cents; bushel, \$2.00.
Improved Learning. Stalks of good size, setting two large handsome ears. Kernels very deep, orange color; cob very small. Per quart, 40 cents; peck, 65 cents; bushel, \$2.00.
Chester County Mammoth. Well adapted to Southern and Western States. It is a Yellow Dent variety; extremely prolific. Per quart, 40 cents; peck, 65 cents; bushel, \$2.00.
Pride of the North. Yellow Dent, 16-rowed; cob very small and red; kernels closely set upon the cob, above medium size, and of deep orange color. Stalks medium size. The earliest of the Dent varieties. Per quart, 40 cents; peck, 65 cents; bushel, \$2.00.
Angel of Midnight. A new extra early yellow flint 8-rowed variety. Ear 10 to 12 inches long, perfect in shape, and filled from tip to tip. Per quart, 40 cents; per peck, 75 cents; per bushel, \$2.50.

Longfellow. An early 8-rowed yellow flint variety. Ears from ten to fifteen inches long, and filled out to tip of cob; cob small; kernels large and broad. Per quart, 40 cents; peck, 65; bushel, \$2.00.

BARLEY.

Hulless. Heads long and well filled with plump heavy kernels, hulless, like wheat when threshed. Ripens early, and yields about 10 bushels more per acre than other Barleys. Makes a very sweet, wholesome flour, excellent for combining with wheat or rye flour, or corn meal. Should be sown on rich, gravelly, warm upland. Per pound, 25 cents; three pounds, 60 cents; per peck, 75 cents; bushel, \$2.50.
Manshury, 4-rowed. Heads are long and drooping; straw bright and very strong; does not lodge on richest ground. Per pound, 25 cents; three pounds, 60 cents; peck, 65 cents; bushel, \$2.00.

OATS.

Vick's American Banner. (FOR DESCRIPTION SEE COLORED PAGES.)
SPRING RYE.
 Pound, 25 cents; 3 lbs., 60 cents; peck, 65 cents; bushel, \$2.00.
BUCKWHEAT.
New Japanese. (FOR DESCRIPTION, SEE COLORED PAGES.)

LAWN AND OTHER GRASS AND CLOVER SEEDS.

Nothing is pleasanter about a house than a good lawn, and nothing is more easily made and kept in order by a little well directed care. To get Grass Seed up quickly and evenly, the surface must be mellow, so that it will not bake after a rain. If the soil is clayey, after sowing the Grass Seed, cover the surface with a light coating of manure, which may remain, except a little of the coarsest. Four bushels of Grass Seed for an acre are required to make a good lawn in a short time; for small plats, five quarts to six square rods, or about one quart to a square rod, should be sown. Sow Grass Seed for lawns as early as possible in the spring, so as to give seed the benefit of early spring rains. Late sowing is seldom successful. It is better to wait until September than to sow after warm weather has commenced. The best single kind is Kentucky Blue Grass. To four bushels of this (per acre) add White Clover and Sweet Vernal Grass, about two pounds of each, and this will make an excellent lawn. Our preparation of Lawn Grass contains Blue Grass, White Clover, and Sweet Vernal Grass, and other very choice and fine Lawn Grasses, and, is, we think, the very best preparation possible for our hot and dry summers, as we have been long making experiments to ascertain this fact.



Prices on Grass and Clover Seed are liable to market change daily. At the price per bushel and peck we deliver to Express Company here or on board cars. No charge for bags or packing. By the quart and pound we prepay postage.

- Lawn Grass, fine prepared; per bushel, \$4.00; per peck, \$1.10; per quart. 25
- Kentucky Blue Grass (*Poa pratensis*). The best of all our Lawn Grasses. In conjunction with White Clover it forms the finest and closest turf. As a pasture grass it furnishes the most nourishing food for cattle of any, and until winter. It thrives on a variety of soils, but does best in dry and somewhat shady localities. Four bushels per acre for lawn purposes, 1½ bushels per acre for pasture. (14 pounds per bushel.) Extra clean, per 100 lbs., \$23.00; per bushel, \$4.00; per peck, 1.10 cents, per quart. 25
- Rough Stalked Meadow Grass (*Poa trivialis*). One of the most valuable grasses to cultivate in moist, rich, sheltered soils. 20 pounds to the acre. Per 100 lbs, \$30.00; per pound. 50
- Poa annua*, a short, pale green grass, and will do with less cutting than other varieties; per pound. 50
- Creeping Bent, or Fiorin (*Agrostis stolonifera*). Desirable for mixing with other lawn or pasture grasses, as it thrives in moist land, on which water does not stagnate. (15 lbs. to bushel) 1 to 1½ bushels per acre. Per 100 lbs., \$20.00; per pound. 40
- Red Top (*Agrostis vulgaris*). Valuable as a mixture in either lawns, pastures, or meadows, growing in almost any soil, moist or dry. For lawns 3 bushels per acre, for pasture, 1½ to 2 bushels per acre. (14 lbs. per bushel.) Per 100 lbs., \$8.00; per bushel, \$1.40; per peck, 45 cents; per pound. 25
- Crested Dog's-Tail (*Cynosurus cristatus*). Useful for sheep pastures, on dry, hard soils; one of the grasses used for lawn grass mixtures. 25 lbs. to the acre. \$35.00 per 100 lbs.; per pound. 55
- Sweet Vernal Grass, TRUE PERENNIAL (*Anthoxanthum odoratum*). The chief merit of this grass lies in its fragrant odor, which the leaves emit when partially dried, thus sweetening hay. Per lb., \$1.10; per ounce. 15
- COMMON Sweet Vernal, per lb., 40 cents; ounce. 10
- Fowl Meadow Grass (*Poa serotina*). Suitable for low, moist-land. May be mowed at almost any time from July to October. Always sweet and tender, and cattle and sheep are fond of it. Succeeds best when mixed with other grasses. 1 to 1½ bushels to the acre. (12 lbs. to bushel.) Per 100 lbs., \$20.00; per bushel, \$2.70; per peck, 80 cents; per pound. 40
- Tall Meadow Oat Grass (*Avena elatior*). Valuable for pastures on account of its early and luxuriant growth. The most promising grass for taking the place of prairie grass at the west. Four bushels to the acre. (13 lbs. to the bushel.) Per 100 lbs., \$30.00; per bushel, \$3.00; per peck, 85 cents; per pound. 40
- Orchard Grass (*Dactylis glomerata*). One of the very best pasture Grasses, as it is exceedingly palatable to stock, and will endure a great deal of cropping. 1½ to 2 bushels per acre. (14 lbs. to the bushel.) Per 100 lbs., \$13.00, per bushel, \$2.20; per peck, 60 cents; per pound. 35
- Perennial Rye Grass (*Lolium perenne*). Valuable for permanent pasture, in mixture with other pasture grasses. Succeeds best on moderately moist land. 1½ to 2 bushels per acre. (24 lbs. per bushel.) Per 100 lbs., \$7.00; per bushel, \$2.00; per peck, 60 cts.; per pound. 25

- Italian Rye Grass (*Lolium Italicum*). Extensively used in Europe for soiling. It gives an early, quick, and successive growth, till late in the fall. Recommended for use in pasture mixtures here. Two bushels to the acre. (About 18 lbs. to the bushel.) Per 100 lbs., \$8.50; per bushel, \$1.80; per peck, 55 cents; per pound. 25
- Meadow Fescue (*Festuca pratensis*). An excellent pasture grass. Its long and tender leaves are much relished by cattle. Should be sown in mixture with other grasses, as Orchard Grass, Rye Grass or Kentucky Blue Grass. 40 lbs. to the acre. Per 100 lbs., \$16.00; per bushel, \$4.00; per peck, \$1.10; per pound. 35
- Timothy (*Phleum pratense*). This is a field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils, it will produce more than any other sort. (45 lbs. to bushel.) ¼ to ½ bushel per acre. Per bushel, market price; per pound, by mail. 20
- Hungarian Grass (*Panicum Germanicum*). One of the most valuable annual soiling plants. It will grow in any ordinary soil, withstands drought remarkably, and may be sown as late as first of July, and produce a large green crop. 1½ bushels to acre. (48 lbs. to bushel.) Per bushel, \$1.50; per pound. 20
- German or Golden Millet. A medium early forage plant, prolific of both stalk and grain. 25 lbs. to acre. (50 lbs. to bushel.) Per bushel, \$1.50; per peck, 60 cents; per pound. 20
- Johnson Grass (*Sorghum Halepense*). Becoming popular in the Southern States, where it is considered one of the most valuable forage plants of recent introduction. One bushel to the acre. (25 lbs. per bushel.) Per 100 lbs., \$14.00; per bushel, \$3.75; per peck, \$1.00; per pound. 35
- Grass Mixtures for permanent pastures made to order.

CLOVER.

- White (*Trifolium repens*). Valuable for mixing with lawn grass, and should be in every mixture for permanent pasture. Per 100 pounds, \$25.00; per pound by mail, 40 cents; ounce. 10
- Medium Red (*Trifolium pratense*). Excellent for pasturage or hay; valuable as a green manure; and should be in all grass mixtures. 8 to 10 lbs. per acre, when sown alone. Per bushel, market price; per pound, by mail. 25
- Mammoth Red (*Trifolium pratense*). Used largely for plowing under for manure. Its stalks are so coarse, that stock will eat only the leaves, but by its judicious use, exhausted lands can be reclaimed, as it will grow where common clover will fail. 8 pounds to the acre. Per bushel, market price; per pound by mail. 25
- Alsike, or Swedish (*Trifolium hybridum*). Thrives in rich moist soil. Does not succeed on high dry lands. Six pounds per acre. Per 100 pounds, \$18.00; per pound, by mail, 40 cents; per ounce. 10
- Scarlet or Crimson (*Trifolium incarnatum*). An annual variety, in common use in Italy and the south of France for feeding green. It furnishes very early fodder. Eight pounds to the acre. Per 100 lbs., \$15.00; per pound, 30 cents; per ounce. 10
- Sweet, or Bokhara (*Melilotus alba*). pound, 50 cents; per oz. 10
- Alfalfa or Lucerne (*Medicago sativa*). Where this succeeds it is the most valuable of all the clovers; but it is difficult to secure a good stand, as it requires a very fine, mellow, deep soil. Per 100 pounds, \$20.00; per pound, by mail, 40 cents; per ounce. 10
- Sainfoin (*Onobrychis sativa*). A perennial belonging to the same family as Clover and Lucern, used in France as a forage plant. Requires a calcareous soil. 4 bushels to the acre. (About 26 pounds to bushel.) Per 100 pounds, \$12.00; per pound, by mail. 30
- Spring Vetches, per bushel, \$3.50; per pound, by mail. 25

PRICES OF SEEDS IN BULK, When shipped at the expense of purchaser.

In the following list we quote prices for seeds by the bushel, peck, and quart, when sent by railroad or express at the expense of the purchaser. We deliver them at express offices or railroad depots at these rates, bags, packing, and cartage free; but in no case can we prepay

the charges, unless the amount has been previously advanced to us for that purpose. On all seeds not included in this list, ordered by Express or Freight, the purchaser may deduct 10 cents per pound from the prices given in the preceding pages.

BEANS.

	per quart.	peck.	bush.
Wax or Butter	\$ 30	\$1 75	\$6 50
Mont d'or Wax	30	1 75	6 50
Golden Wax	30	1 75	6 50
Early Valentine	25	1 75	6 50
Early Mohawk	25	1 60	6 00
Long Yellow Six Weeks	25	1 60	6 00
Refugee	25	1 60	6 00
White Kidney	20	1 35	5 00
White Marrowfat	20	1 35	5 00
Large Lima	45	2 50	9 00
King of the Garden Lima	45	2 60	10 00
Extra Early Lima	45	3 10	12 00
Dreer's Improved Lima	45	2 60	10 00

	per quart.	peck.	bush.
London Hortie'l, or Cranb'y	30	2 25	8 50
Scarlet Runner	30	2 25	8 50

SWEET CORN.

Ne Plus Ultra	40	1 60	6 00
All other varieties	20	1 10	4 00
Parching Corn (ears)	20	75	2 50

(For other varieties, see page 78.)

PEAS.

Vick's Extra Early	25	1 35	5 00
Carter's First Crop	25	1 10	4 00
Kentish Invicta	25	1 35	5 00
Blue Peter	25	1 60	6 00

	per quart.	peck.	bush.
Tom Thumb	30	1 60	6 00
Bliss' American Wonder	35	1 85	7 00
McLean's Little Gem	30	1 60	6 00
Laxton's Alpha	30	1 60	6 00
McLean's Advancer	30	1 60	6 00
Horsford's Market Garden	30	1 60	6 00
Bliss' Everbearing	35	1 60	6 00
Bliss' Abundance	35	1 60	6 00
Yorkshire Hero	35	1 60	6 00
Champion of England	25	1 35	5 00
Telephone	35	2 25	8 00
Pride of the Market	35	2 25	8 00
Black-eyed Marrowfat	10	75	2 50
White Marrowfat	10	75	2 50
Field, for sowing broadcast	10	50	1 50

FARM, GARDEN AND FLORAL REQUISITES.

FLORIST'S BRASS SYRINGES.

No. 1 E, 14 in. bar'l, 1 stream and 2 spray roses, \$2 50
2 E, 16 " " 1 " 2 " " 3 50
3 E, 18 " " 1 " 2 " " 3 75
4 E, 18 " " 1 " 2 " " ball valve, 5 00

All syringes sent by Express at expense of purchaser.



Rochester Pruning Shears.
ALL STEEL.
No. 1, 9 inch..... \$1 50
No. 2, 8 inch..... 1 25
Extra springs ... 40



Wiss' Pruning Shear.
No. 1..... \$2 50
No. 2..... 2 50
No. 3..... 2 25
No. 4..... 2 00

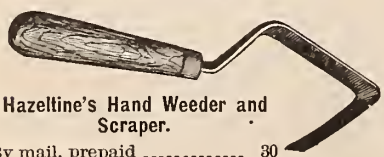


GOLDMAN'S ATOMIZER AND SPRINKLER.
For flowers, House Plants, Clothes, Carpets, Destroying Insects, and for various fine sprays. Dipping in water while closed fills instantly. Will sprinkle under side of foliage. Size of lemon squeezer; weight, 5 oz. Price, 50 cents, by mail, postpaid.

ELASTIC PLANT SPRINKLER.

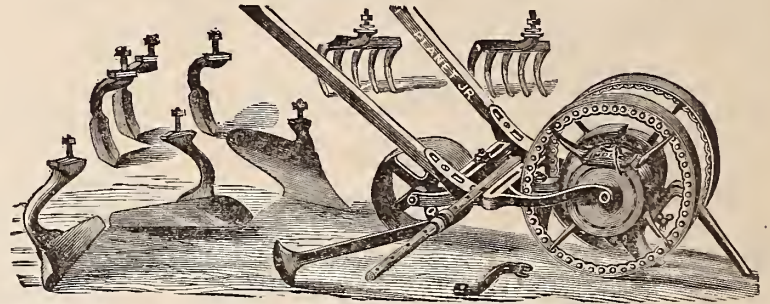


Made with a flat button, and perforated, detachable top. Is valuable for Winter Gardening, Bouquet Sprinkling, Dampening Clothes, etc. Price, No. 1, 1/2 pint, by mail, prepaid..... \$1 00
No. 2, 1/4 pint, by mail, prepaid..... 60



Hazeltine's Hand Weeder and Scraper.
By mail, prepaid 30

THE "PLANET JR." COMBINED DRILL, CULTIVATOR, PLOW, ETC.



Capable of a great variety of operations, and is a thorough success in every way. Boxed, \$12.

The "Planet Jr." Combined Double Wheel Hoe, &c. A pair of rakes and a pair of leaf lifters have been added to its attachments, which will increase its efficiency. For thorough cultivation of all row crops, this machine has no superior. Price, boxed, \$8.00.

The "Planet Jr." Single Wheel Hoe Cultivator, Plow, &c. This deservedly popular tool has also been greatly improved this year. The frame is stronger, lighter and simpler; the wheel broader, to prevent sinking in soft ground, pair of rakes substituted for an unimportant pair of hoes, and a leaf lifter added without extra expense. Price, boxed for shipment, \$6.00.

The Planet Jr. No. 2 Seed Drill. This machine has no Hoe or Cultivator attachments, and can be used as a Drill only. In construction and operation, it is similar to the Combined Drill, but holds more seed. Price, boxed, \$9.00.

The "Firefly" Single Wheel Hoe, Cultivator and Plow. This tool has been entirely remodeled, and is now confidently offered as a perfect WHEEL HOE at a LOW PRICE. Price, boxed, \$5.00.

The Matthew's Garden Seed Drill. This reliable drill has been before the public for many years, and is perhaps to-day the most popular tool of its kind among Market Gardeners. It has recently been improved by the addition of a "Cut Off" attachment to prevent wastage of seed, and improved markers. We have sent out many of these Drills, and find that they invariably give satisfaction. Price, boxed, \$10.00.

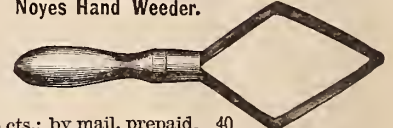
The New Model Seed Drill. This new hand Seed Drill, introduced the past year, contains several marked improvements over older styles and possesses every important detail to make it as indicated by its name a "Model" Drill. Among its advantages we note the SWINGING CUT OFF, operated by cord and ring on handle, whereby all waste of seed at end of row is prevented. ACCURATE REGULATION OF DISCHARGE of seed. A PLAIN INDEX, quickly adjusted. A LARGE WHEEL, QUITE BROAD, which prevents its sinking in soft earth. Descriptive Circular on application. Having given this Drill a thorough trial on our farms, we can endorse it as doing perfect work and liable to give satisfaction in every respect. Price, packed for shipment, \$8.00.



Noyes Hand Weeder.

EXCELSIOR HAND WEEDER.

Each..... 25
By mail, prepaid..... 35



35 cts.; by mail, prepaid. 40



No. 178. Cocoa Handle Pruning Knife, Steel Capped, Hook Blade, 2 3/4 inches



No. 188. Cocoa Handle Pruning Knife, Hook Blade, 3 inches



No. 717. Cocoa Handle Budding Knife, Bench Budding Knife



No. 716. Cocoa Handle Budding Knife, Bench Budding Knife

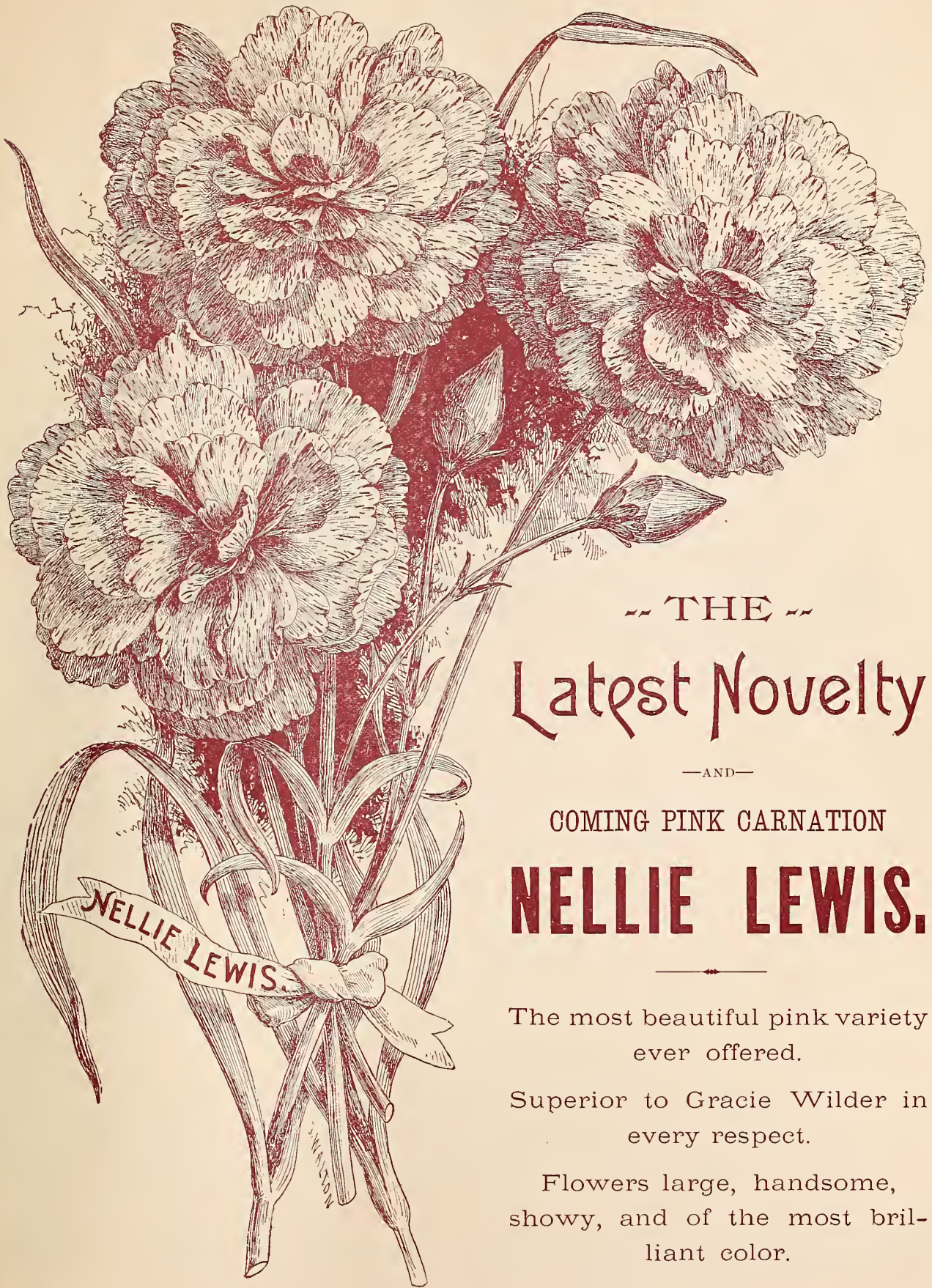


No. 718. Cocoa Handle Budding Knife, Bench Budding Knife



No. 913. Cocoa Handle Budding Knife, Bench Budding Knife

Price, by mail, prepaid.
No. 178, Cocoa Handle Pruning Knife, round - 60
No. 188, Cocoa Handle Pruning Knife, round - 60
No. 717, Cocoa Handle Budding Knife, open blade - 50
No. 716, Cocoa Handle Budding Knife, 2 blades 1 00
No. 718, Cocoa Handle Budding Knife, 1 blades 1 00



-- THE --
Latest Novelty

—AND—

COMING PINK CARNATION

NELLIE LEWIS.

The most beautiful pink variety
ever offered.

Superior to Gracie Wilder in
every respect.

Flowers large, handsome,
showy, and of the most bril-
liant color.

New Pink Carnation.

NELLIE LEWIS.

OUR attention was called to this superb variety by Mr. Lewis, the originator, and being so well pleased with it, we at once decided to bring it to the notice of our customers.

NELLIE LEWIS is a sport from J. J. Harrison (one of the best growing varieties in cultivation).

This **Grand Carnation is a Marvel of Beauty.** We have had dainty pink, brilliant red, and dazzling white, for years, but never until now a PINK variety that would arrest attention and cause everyone to exclaim: "**What an exquisite shade?**" A bowl of them, used at a dinner a short time ago, lighted up the entire table.

The FLOWERS are very LARGE and FULL, and of a COLOR NEVER BEFORE SEEN among Carnations. For **decorative purposes** and **corsage bouquets**, they are unsurpassed.

Nearly all flowers are borne on long stems, beautiful in form and exquisitely fragrant.

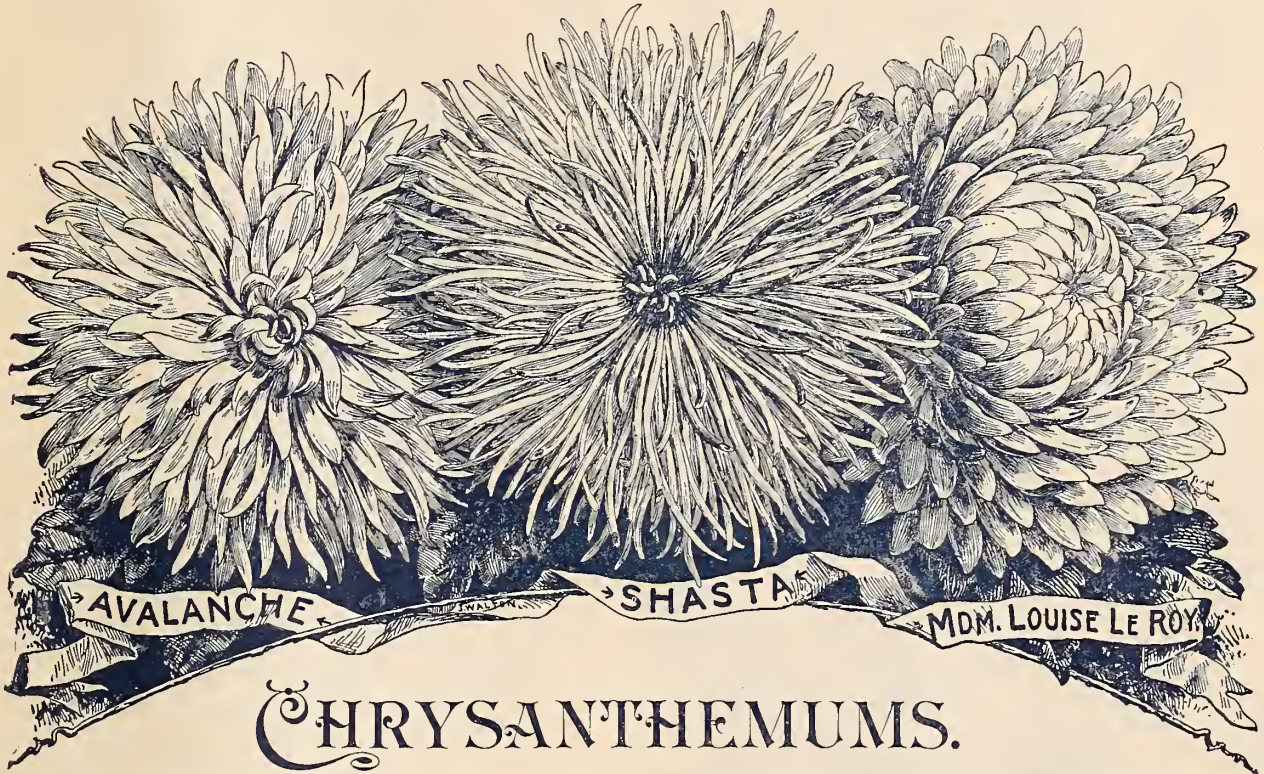
Don't fail to place your order for this variety at once, as we control the entire stock, and have a limited number of plants only.

All orders will be booked in rotation and filled in the same manner, as far as practicable.

Plants will be ready for delivery about March 1st.

An error was made in prices, on Page 89. They should read as follows: Each, 50 cts.; Three, \$1.25; Six, \$2.25; One Dozen, \$4.00.

NOVELTIES.



CHRYSANTHEMUMS.

The Chrysanthemum is at present the most popular and fashionable autumn flower in cultivation, and deservedly so, as there is no plant that will give more satisfaction to the grower for the small amount invested. The wonderful advancement recently shown by this class of plants is something almost marvelous. Many of the new varieties are gorgeous in their color and markings, some have flowers that are perfect in form, while others have curious and fantastic shaped flowers that are novel and extremely beautiful. The following list contains the best new, and most popular sorts in cultivation.

Each, 35 cents; per dozen, \$3.50.

JAPANESE.

- Chrysanthemum, Avalanche**, flowers very large, full and double; petals broad, pure white, very fine.
- Connecticut**, flowers large, with twisted petals of deep madder; tipped white; a striking variety.
- Cortez**, large, incurved flowers, with broad stiff petals, mahogany color inside, but of a lighter shade on the outside.
- Carrie Denny**, clear amber, entirely distinct, petals incurved and slightly whorled.
- Charles A. Reeser**, a fine recurved rosy-pink, with lighter shadings.
- Clara Riemen**, rich lavender rose, shading to silvery rose, with a white center. A large open flower of fine texture.
- Elliott F. Shepard**, beautiful lemon yellow; flowers very large, petals broad.
- Huron**, delicate mauve color; petals tubular, dilated at extremities and incurved.
- John Lane**, beautiful rose-pink, with lighter shadings on under side of petals, center petals tipped with gold.
- Landon Humphrey**, deep rose-color, outer petals tubular; center twisted. A very showy variety.
- Mrs. Hicks Arnold**, beautiful soft rose-color; habit dwarf, with stiff stems that are covered with foliage up to the flower; very early.

- Chrysanthemum, Mrs. Libbie Allan**, large yellow flowers, incurved; well formed.
- Molly Bawn**, pure white, fine.
- Mrs. J. T. Emlen**, deep blood red; reverse of petals, old gold; large, well formed; incurved flowers; very fine.
- Mrs. Winthrop Sargent**, bright straw color; large, incurved flowers, on long, stiff stems.
- Mrs. Charles Dissel**, flowers vary in color, from nearly white, to lemon color; sometimes tinged with pink; perfectly incurved.
- Passaic**, flowers white; petals tubular.
- Robert S. Brown**, a magnificent dark crimson; very large.
- Raleigh**, buff color, tinged with rose; the protruding center petals are lemon yellow.
- Shasta**, large, white, tubular florets; dwarf habit; splendid for cutting.
- Twilight**, flowers on opening have a yellow tinge, but change to pure white, large and full.

CHINESE.

- Bohemia**, deep venetian red; large reflexed flowers, supported on stout stems; lasts long in perfection.
- Iowa**, white tinted with mauve, flowers large and very perfect.
- Kearsarge**, flowers light mauve, on stiff stems that are well furnished with foliage.
- Madame Louise Le Roy**, white, with creamy center, very free flowering. Incurved.
- White Cap**, reddish violet, with white tips; flowers very double, somewhat reflexed when fully developed.

AGAPANTHUS.

- Agapanthus umbellatus flore-pleno**, a distinct variety, introduced from the Cape of Good Hope. It differs from the single variety by producing umbels of dark blue double flowers. Each, \$1.00.

CARNATIONS.



LIZZIE MCGOWAN.

Carnation, Lizzie McGowan. This grand Carnation is a cross between Hinzie's white and Peter Henderson. It is a splendid grower, producing very large pure white flowers that are beautifully fringed, delightfully fragrant, and all borne on long stiff stems. We are confident that this is the best white Carnation ever introduced.

The following are extracts from letters received in regard to this variety:

JOHN N. MAY, Summit, N. J., writes: I consider the "Lizzie McGowan" Carnation the finest white in cultivation.

JOHN THORPE, Pearl River, N. Y., says of it: I received the blooms of the Carnation "Lizzie McGowan" in good order, and have kept them in my cellar for ten days and they are good yet. I am pleased to note the good qualities of your Carnation.

H. E. CHITTY, Paterson, N. J., writes: The flowers of your new white Carnation "Lizzie McGowan" came safely to hand it is evidently a superb sort, and will prove a great acquisition.

Plants of this variety will be ready for distribution about March 1st. Price, each 30 cents, per dozen \$3.00.

Christmas, delicate rosy pink, a great improvement on Gracie Wilder. Each, 25 cents.

J. R. Freeman, deep cardinal, unusually fragrant, a very early winter bloomer. Each, 25 cents.

May Queen, bright, rich cherry color, a free and constant bloomer. Very fragrant. Each, 25 cents.

Mrs. Fisher, flowers white, mostly on long stems, and very fragrant, a promising variety. Each, 25 cents.

The set for \$1.00.

NEW FRENCH CANNAS.

The new French Cannas are continuous bloomers, producing their large showy flowers from early summer until late in autumn. This class are all of dwarf habit, growing only three to four feet in height. Those we offer are the best of recent introduction. These Cannas are entirely distinct from the older sorts, which are grown only for their foliage. Their great beauty, in both flowers and foliage, will soon place them among our most popular bedding plants.



Canna, Antoine Chatin, very vigorous, with large green foliage, numerous flower spikes, with large round petals, that are of a beautiful salmon-cherry color. Each, 60 cents.

Capricieux. Flowers chestnut-red, effectively edged golden yellow, foliage green, very distinct and beautiful. Each, 75 cents.

Chevalier Besson, foliage rich green, flowers clear crimson, very free bloomer. Each, 50 cents.

Edouard Andre, foliage dark, shaded green, flowers bright carmine, fine. Each, \$1.00.

Jules Chretien, foliage erect, deep glaucous-green, flower spikes long and close, large compact flowers, long petals of a rich purplish-cherry color. Each, 60 cents.

Louis Chretien, foliage bright green, flowers a beautiful shade of yellow, strongly margined with rosy-carmine. Each, 50 cents.

Mad. Gobet. Fine large flowers and spike, deep red, slightly shaded orange; foliage green edged with brown. Each, \$1.00.

Revol-Massot, foliage green, spikes strong, flowers a beautiful garnet color. Each, 50 cents.

Tonkin, foliage green, flowers large, beautiful clear yellow, spotted carmine in the center. Each, 50 cents.

Victor Hugo, foliage deep green with dark border, flowers large, deep red, with round petals. Each, 60 cents.

FUCHSIAS.

DOUBLE.

Fuchsia, Molesworth, sepals red; nicely recurved; corolla, pure white; very large; a promising variety. Each, 50 cents.

President Carnot, sepals wine color; corolla, violet; very free flowering and of splendid habit. Each, 50 cents.

SINGLE.

Ernest Renan, tube short, rosy-white; sepals recurved; corolla, rose-color; very large; a free grower, and an early and constant bloomer. Very fine. Each, 50 cents.

Nellie, tube and sepals creamy-white; corolla, flesh color, heavily shaded mauve, very distinct. Each, 25 cents.

Rosain's Patrie, tube and sepals, rosy-carmine; corolla, pure white. Plant of the finest habit and wonderfully free blooming. Each, 25 cents.

CARNATION, NELLIE LEWIS. The Latest Novelty. See page 89.

GERANIUMS.

SINGLE.

Geranium, La Lorraine. Truss very large and perfect in form; color, silvery-flesh with lavender shadings. A distinct and promising variety.

L'Immortel. A very free bloomer, producing large trusses of flowers that are of a greyish rose-color with dark lilac center; very distinct, habit dwarf.

Marguerite de Layre, a strong, free-grower, producing large trusses of well-formed, pure white flowers.

Port Royal. Beautiful rosy salmon, centre white, surrounded with a shade of orange; fine, large, round florets.

Univers. Very dark crimson scarlet, a beautiful dazzling shade, florets large, round, and produced in immense trusses, a magnificent variety.

Each, 30 cents. The set, \$1.25.

DOUBLE.

Bonnat. Large, spherical trusses; flowers full and of the finest form; color, brilliant carmine-rose; an excellent variety for pot culture or bedding out.

Beaute Poitevine. Flowers semi-double; very large, and in immense clusters; color, brilliant salmon, very clear at the outer edge; splendid either for bedding or pot culture.

Catulle Mendes. Beautiful tint of purplish-rose; upper petals marked white; individual florets large, very free bloomer.

Dr. Chaumier. Dark violet; upper petals marked capucine.

Mons. Berger. Dark cherry-red, upper petals marked capucine.

Mlle. Marie Richard. Flowers large, and well formed; color, beautiful salmon, shading to white at outer edge.

Paul Arene. Flowers a beautiful creamy-white tint; large and well formed. Plant of dwarf habit.

President Carnot. Large, semi-double florets, and trusses of immense size. Color brilliant deep scarlet. Plant of good habit, very free bloomer.

Triumphant. Flowers rosy-flesh color, with salmon markings. Plant, a strong grower, very fine.

Each, 30 cents. The set, \$2.25.

Full set of Single and Double, \$3.25.

New Hydrangea.

RED-BRANCHED.

A valuable addition to the list of Hydrangeas, with dark red branches that brighten to a clear crimson color as they near the flower trusses. The plant is of robust habit, and produces freely, immense heads of deep rose colored flowers. A novelty of sterling merit that is sure to become very popular. (SEE COLORED PLATE.)

Hydrangea, New Red Branched, each, 75 cents.



New Double Fuchsia.

GIGANTEA.

All lovers of this beautiful class of plants, will be pleased to note the addition of another variety of Fuchsia, that produces such wonderfully large flowers as Phenomenal. Gigantea is a sport from that variety, and is similar to it in every respect, except in the coloring of the corolla, which is a beautiful shade of light magenta, with dark crimson veins. This superb variety originated with us. Each, 50 cents.



SOUVENIR DE MIRANDE.

NEW GERANIUM.

SOUVENIR DE MIRANDE.

This is the grandest novelty in Geraniums that has appeared for a number of years, and is entirely distinct from any variety in existence. The florets are large, nicely rounded, and have a very large pure white eye, that is well extended around the flower, but more prominent on the upper petals; this gradually deepens in color towards the outer edge to a bright rosy-pink, forming a contrast that is very striking as well as pleasing, even to the most fastidious. The habit of the plant is good, and it may be classed as one of the freest bloomers in cultivation. Each, 30 cents, per dozen, \$3.00.

ROSES.

New Tea Roses.

Rose, Baroness M. Werner. A very beautiful variety, with broad-petaled, delightfully perfumed flowers; color, rich creamy white, delicately shaded with salmon and amaranth. Each, 30 cents.

Climbing Niphetos. A sport from Niphetos, retaining all the characteristics of the parent plant, except that it is of a strong climbing habit, and produces flowers of a purer white, which are more delicately scented than those of the Old Niphetos. Each, 50 cents.

Joseph Metral. Flowers dark magenta red, changing to cherry red, large and full, of vigorous growth. Each, 30 cents.

Rose, Climbing Perle des Jardins. A new climber that will prove of permanent value. Its continuity of blooming, vigorous growth, and large, rich, yellow flowers, that are of the most beautiful form, must commend it to all. Each, 50 cents.



CLIMBING PERLE DES JARDINS.

Lady Castlereagh. Soft rosy-yellow, with rose color predominating on the outer margins of the petals. A most continuous and late bloomer; flowers very large, full, beautifully formed, and always opening well, growth vigorous. Each, 50 cents.

Mrs. James Wilson. Flowers deep lemon-yellow, edge of petals margined rose, large and full; form of Catharine Mermet; carried on stiff, erect stems; free grower. Each, 50 cents.



MAD. HOSTE.

Mad. Hoste. A superb variety, producing extra large flowers, and buds that are of cream pale yellow, the most beautiful for color; deepening at the center to a pure golden yellow; edges and reverse of petals rich creamy-white; fine. Each, 25 cents.

Tea Polyantha.

Rose, Clothilde Soupert. This new rose is the result of hybridizing the Tea Rose Mme. Damaizin with the Polyantha Mignonette, which gives this new variety the strong growth of the tea class, added to the profuse flowering habit of the Polyantha. The flowers are of medium size, very double and beautifully formed; oval at first but flattening as they expand. The color is a pearly-white at outer edge, shading to a center of rosy-pink, sometimes varying in color to nearly pure white. Very fragrant, and a constant bloomer; a superb variety. Each, 25 cents.

New China Rose

Red Pet. A wonderfully free blooming variety similar in habit of growth to the Polyantha White Pet. Flowers bright dark crimson, a splendid variety for bedding out or pot culture. Each, 25 cents.



CLOTHILDE SOUPERT.



RED PET.

New Hybrid Perpetual Roses.

Rose, Comtesse Julie de Schulenburg. Color, bright purple, of a deeper shade in the center; flowers large and full. Plant, of vigorous habit. Each, 50 cents.

Duchess of Leeds. A seedling from La France, but much deeper in color, especially on the reverse of petals, rendering it a pleasing and attractive variety; habit and foliage similar to its parent. Each, 50 cents.

Gloire de Margottin. Dazzling red; very brilliant; flowers large, full, finely formed and globular; of good habit. Each, 50 cents.

Mad. Sophie Stern. Fine globular form, very double and full; color, clear carmine, changing to rose, delicately clouded with crimson; free bloomer; very fragrant. Each, 50 cents.

AMARANTHUS.

SUNRISE.

This grand bedding variety was introduced by us several years ago, and would have been brought out as a novelty, as it is worthy of all that can be said of it; but it is such a shy seeder we have not been able to secure enough seed to warrant its being pushed.

Last summer we managed to secure a large stock of seed and in consequence can offer our customers the BRIGHTEST



and HANDSOMEST Amaranthus, at a very moderate price.

The lower part of the plant is a deep, dark maroon, while the top, about one-third of the plant, is a brilliant crimson.

Two or three plants of Sunrise Amaranthus, in the center of a bed of foliage plants, or a whole bed of them, make a very attractive and handsome show. The brilliant top stands out in such strong contrast to the dark plant that it can be seen as far as sight can reach. When the sun is shining brightly a bed of this plant is almost too brilliant to look upon.

This magnificent plant grows brighter and better till the frost cuts it down in late autumn.

The colored lithograph, on fourth page of cover, gives a very true representation of the plant. Seeds, per packet, 25 cents.

FINEST AND BEST CARNATION. See page 89.

GRAND RAPIDS FORCING LETTUCE.



This new and splendid Early Forcing Lettuce originated in Grand Rapids, Mich., some six years ago. So highly is it prized by the gardeners it has been impossible to procure seed until this year. This Lettuce is shipped to Cleveland and Cincinnati in large quantities, selling from 10 to 20 cents per pound. We have secured all the surplus seed grown there (a small amount) at a high figure, and can only sell in small quantities.

One gardener wrote that he was unable to fill his orders last spring at twenty cents per pound in lots. It is not an uncommon thing to see a house full of Lettuce that will average $\frac{1}{2}$ a pound to a plant, occasional heads weigh $1\frac{1}{4}$ and $1\frac{1}{2}$ pounds. Some gardeners have raised at the rate of 20 to 30 pounds to a common sash and taken three crops off the same ground. It is a splendid shipping Lettuce. Large and tender, consumers willingly pay a large advance on price of common sorts. Grows much larger in greenhouse than in frames. Should there be trouble with lice, use tobacco water. By using plenty of water it will grow much quicker.

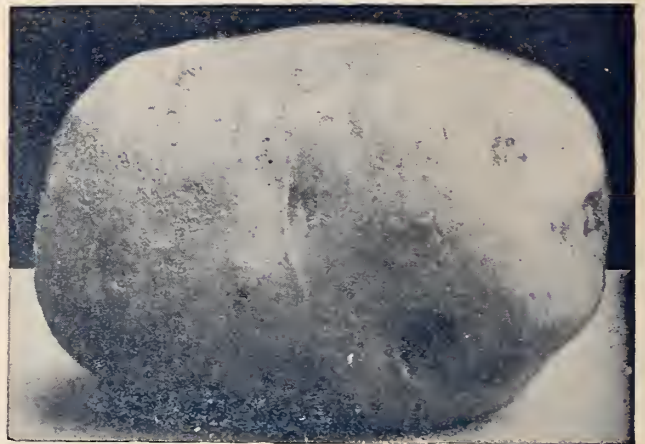
We recommend it with pleasure, as we know it to be the best Early Forcing Lettuce grown.

Plant six inches apart. Care should be taken to have the plants as near one size as possible, as the larger ones seem to smother the smaller. Grand Rapids gardeners, who are the most successful, use one-half good rotted manure. It is almost impossible to get the ground too rich.

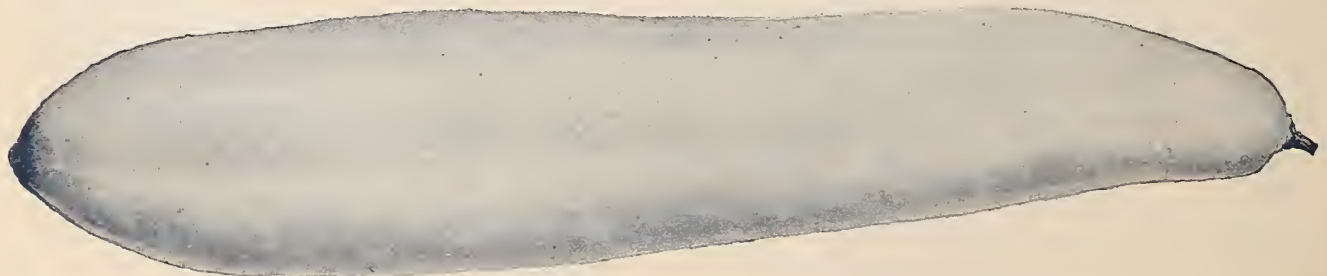
Price, per packet, 25 cents. (In packets only.)

NEW SEEDLING POTATO.

Potato, Vick's Champion. This new Potato has been selected after several years trial, as one that has qualities which are highly commendable. It is a wonderfully strong growing variety, producing an abundant growth of tops, and very large white tubers that are covered with a light russeted coating. The eyes are quite large, full, and nearly even with the surface. Tubers similar in form to the Green Mountain, but more oval and full at the seed end. This is one of the most productive varieties ever offered, and a splendid keeper of excellent quality. Per lb., 40 cents; 3 lbs., \$1.00; peck, 60 cents; bushel, \$2.00; barrel, \$5.00.



VICK'S CHAMPION POTATO.



CUCUMBER, VICK'S EARLY CHINESE.

This variety of Cucumber we secured from China, four years ago, and have grown and tested it with other varieties on our trial grounds every year since. It has proved to be

**Two Weeks Earlier than other Varieties,
Splendid Quality,**

From One to Two Feet Long.

Color, light green, turning to creamy-white when ripe. Smooth skin, few spines. Being very solid, it produces few seeds. Though not over productive its extreme earliness and fine quality places it at the head of the list of Cucumbers. It can be used on the table from the time it is a few inches long till it ripens. Every lover of this vegetable should try a packet of this seed. Per packet, 15 cents.

SPECIALTIES.



CHRYSANTHEMUMS.

Chrysanthemum, Ada Spaulding. Habit, most sturdy and robust, color, novel and distinct. The lower half of the flower being a rich, deep pink, shading to a pearly white center; petals large, broad and solid; a splendid variety for general culture. Japanese.

Arizona. Outer petals tubular; center, flat and incurved; color, light chrome yellow; habit dwarf. Japanese.

Edwin Lonsdale. Flowers of immense size, very double, and of the same form as Mrs. G. Bullock. Color, rich velvety purple. Plant of good habit and is a fine grower. Japanese.

Governor of Guernsey. Rich, deep yellow, very distinct; flowers somewhat incurved and of medium size; a very free, late bloomer. Japanese.

Gipsy. Large, flat, incurved flowers, of a bright mahogany color, distinct from any in cultivation. Japanese.

Jean Humphrey. Petals a rich shade of crimson, bordered and flushed with light yellow; reverse, a delicate shade of buff, partly tubular. Japanese.

Kioto. Large, incurved flower; color, deep yellow. Japanese.

Lillian B. Bird. Flowers of the largest size with full high center, petals tubular and of varying lengths. Color, a beautiful shade of pink. Japanese.

Mrs. Alpheus Hardy. This remarkable and exquisitely beautiful new Chrysanthemum is without exception the finest variety yet introduced, and possesses all the qualities necessary to make a universal favorite with amateurs and florists for its great value for cut flowers and exhibition purposes. The flowers are very large, of thick substance, perfect shape, and belong to the incurved Japanese section, while the color is of the purest white. Its unique character consists in its fine downy appearance, which is produced by the glandular hairs which cover the petals, and which has been frequently described as producing a fluffy effect, similar to that of an ostrich feather.

Mrs. Andrew Carnegie. The flowers of this variety are very large and beautiful, of a handsome, dark velvety crimson, with reverse of petals a light shade of chrome yellow. The petals are twisted and incurved so that the formation of the flower is very attractive and shows the peculiar combination of colors to great advantage; very fine. Japanese.

Chrysanthemum, Mrs. Thos. A. Edison. A large, incurved flower with compact center, one mass of long petals of the most delicate rose-pink; very free, large, and so closely incurved as to resemble a solid ball. Japanese.

Malabar. Flowers medium size, clear magenta, with reverse of petals nearly white; a handsome incurved variety. Chinese.

Model. Large, full flower, of the finest shade of deep pink. Japanese.

Osceola. Flowers quite large, of irregular shape; petals long and twisted, bright red on inner side, with reverse of a pale yellow color; very striking. Japanese.

President Harrison. The most distinct Chrysanthemum of its color, which is a salmon-red outside, and deep red inside. The flowers are very double, of immense size. Plant, of strong growth and blooms very free. Japanese.

Rohallion. Japanese, reflexed, of great depth, petals long and twisted, open at the end; of a beautiful dark chrome yellow; strong grower; one of the most distinct varieties in cultivation; fine. Japanese.

Tacoma. Large, perfect, incurved flowers, white, slightly tinted pink in the bud, becoming a creamy white when fully expanded; full center and broad, stiff petals; very free in growth and bloom. Chinese.

Plants, each, 25 cents. This beautiful set of 17 varieties for \$3.50.

FRENCH CANNAS.

NEW SEEDLINGS.

Canna, Brilliant. Rich shade of bright scarlet, foliage green, a very free blooming variety; good bedder. Each, 30 cents.

Goldfinch. Flowers a beautiful shade of yellow with orange spots, foliage green; splendid bedder. Each, 30 cents.

EULALIA.



EULALIA GRACILLIMA UNIVITTATA.



EULALIA JAPONICA VARIEGATA.



EULALIA JAPONICA ZEBRINA.

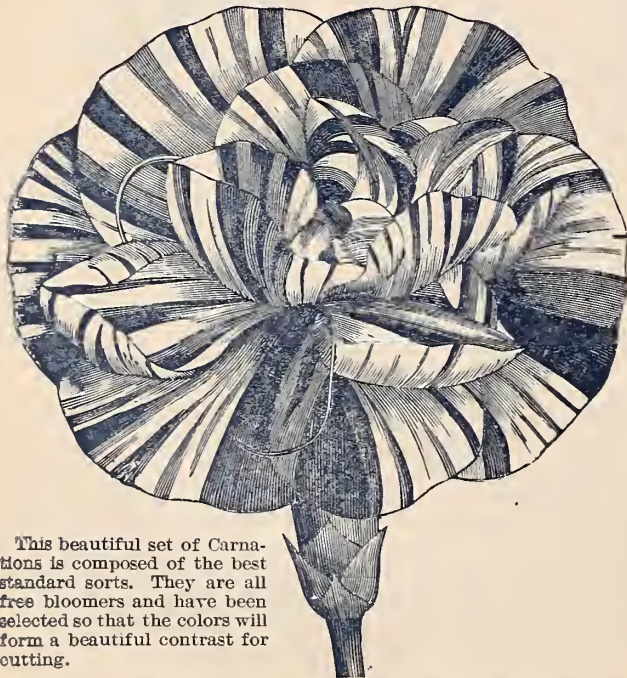
Eulalia Gracillima univittata. This is the most beautiful and useful of all the Eulalias. It has narrow green foliage, with a silvery white midrib. The plant is of a most graceful habit of growth, and is very beautiful for decorative purposes, or to use as a center plant for vases, and, being perfectly hardy it will make an admirable lawn plant, for

which purpose it will undoubtedly become very popular. Plants, each..... 30
Eulalia Japonica variegata. This variety, except that the variegation of the leaf is lengthwise, is very similar in style and habit of growth to E. Japonica zebrina, and it forms so beautiful and striking a contrast to it as to make them very desirable companion plants; each. 25

Eulalia Japonica Zebrina. This plant is unlike most variegated plants, as its stripe, or marking, is across the leaf, instead of lengthwise. In fall it bears large tassel-like plumes. These may be used as parlor ornaments, and will last for years; each..... 35

The set for 75 cents.

CARNATIONS.



This beautiful set of Carnations is composed of the best standard sorts. They are all free bloomers and have been selected so that the colors will form a beautiful contrast for cutting.

- Carnation, Buttercup**, light yellow, slightly streaked with carmine; very fine.
 - Florence**, scarlet; large, well-formed flower; fringed.
 - Gracie Wilder**, delicate pink; finely fringed.
 - Grace Fardon**, rich deep pink; very free flowering.
 - Hinzie's White**, white; flowers very large.
 - Robert Craig**, dark red; very free; habit compact.
 - Scarlet Defiance**, beautiful scarlet.
 - Tidal Wave**, bright pink, shaded salmon, very fine.
 - Wm. Swayne**, pure white; early, free bloomer.
- Each, 15 cents, the set, \$1.00.

IPOMOEÆA (Moon Flower.)

Ipomœa Bona Nox. This variety of Ipomœa is offered under various names, such as Good Night, Evening Glory, and the like. But, even though it were given a hundred other synonyms, it would be the same grand and beautiful climber that produces its large, pure white, sweet scented flowers in the night, and on dull cloudy days. It is one of our strongest, most vigorous climbers, attaining a height of



MOON FLOWER.

twenty-five feet in one season, with ordinary culture. To keep over winter, the plant must be cut back, the roots potted, and kept in a growing condition. Per dozen, \$1.50; each, 15 cents.

Leari (Blue Moon Flower,) a magnificent variety, bearing large azure blue flowers, of a very delicate shade, blooms profusely, splendid. Per dozen, \$1.50, each, 15 cents.

One plant of each variety for 25 cents, 3 of each, 75 cents.

GERANIUMS, IVY-LEAVED.

On account of the wonderful improvement in this class of Geraniums, they are now immensely popular, and deservedly so, as they are among the most beautiful plants we have for cutting, pot-culture, hanging baskets, or bedding out. The flowers of the newer varieties are grand.

Geranium, Bastien-Lepage. Flowers very large, semi-double, rosy-mauve; upper petals lightly veined with purple; very fine.

Galilee. Soft rosy-pink; flowers very large; fine bloomer.

Jeanne Gillet. Dark velvet violet, slightly striped with purple. A beautiful variety.

Jeanne d'Arc. White, suffused with lavender.

Mad. Thibaut. Flowers very double, full and perfect in form; color rich deep pink; strong, free grower.

Robert Owen. Violet rose; flowers very large; beautiful, 30 cents.

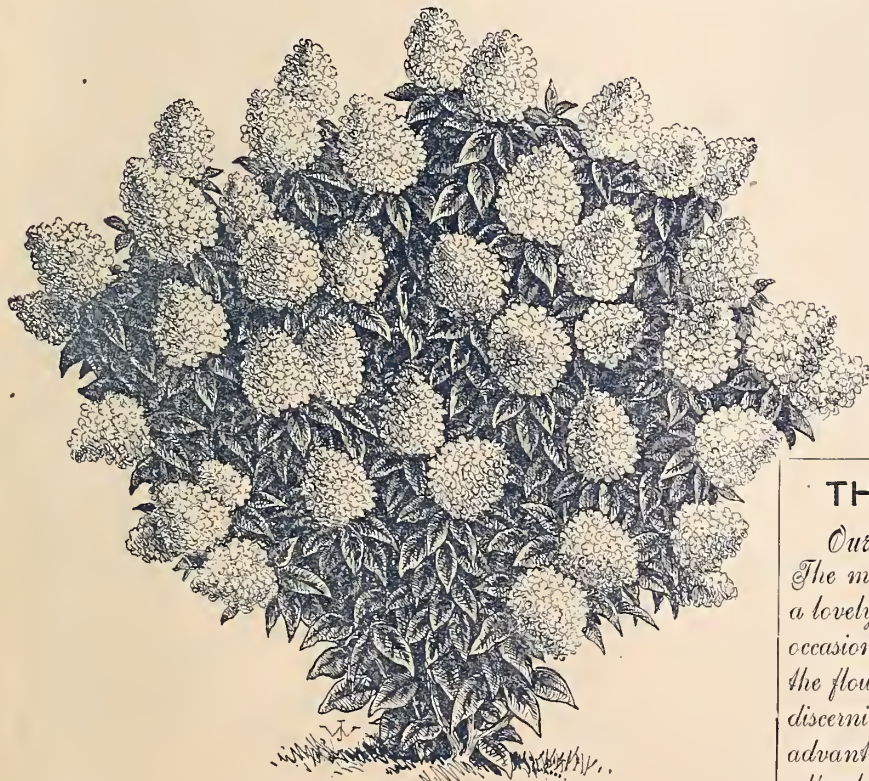
Souv. de Chas. Turner. Deep pink; feathered maroon on upper petals; splendid.

Each, 20 cents, except as noted; the set, \$1.00.



MAD. THIBAUT.

HYDRANGEA.



HARDY HYDRANGEA.

This is one of the finest hardy shrubs in cultivation; the flower trusses are large, in panicles from nine to twelve inches in length, and quite as broad; color, white at first, but changes to deep pink as the season advances. The plant attains a height of seven to ten feet, and is remarkable for its wonderful grace and beauty.

Hydrangea, paniculata grandiflora. Plants, each, 20c., 40c., 75c. and \$1.00, according to size. All will bloom the first season.

THE LATEST NOVELTY.

Our New Carnation "Kettie Lewis." The most beautiful pink variety ever offered, a lovely shade, with very small flakes and an occasional dash of rosy-carmine, that enthralls the flower to a remarkable degree, but still not discernible at a short distance, giving it the advantage of appearing both as a striped and self-colored variety. Illustrated circular sent on application. Plants, each, 25 cents; per dozen, \$2.50.

COOL HOUSE ORCHIDS



CYPRIPEDIUM INSIGNE.

The class of plants included in this selection can be grown in any ordinary greenhouse where the temperature ranges from forty-five to sixty degrees. Rose, Violet or Carnation houses are just the places to grow these plants, as they can occupy odd corners and places generally unoccupied, and thus not only utilize every space on the benches, but those growing on blocks or in baskets can be suspended from the roof and thus greatly add to the beauty of the greenhouse.

The following cultural directions apply to the cool as well as to the temperate class, and if carried out good results will follow, and the plants will produce their handsome flowers which last such a long time in perfection.

Orchids are easily grown, if a few cardinal points are observed. First of all, all truly epiphytal Orchids need a season of rest and a season of growth; that is, when the plant begins to grow, which is generally in the Spring time but varies in different plants and species, the supply of water should be increased, also the temperature; when the pseudo-bulb is nearly full grown the plant should receive its maximum amount of heat and moisture. As soon as the growth is completed, the plant should gradually receive more sun, air and less water, so as to ripen off the pseudo-bulb well and thus insure good flowering. After the growth has been ripened then only enough water should be given to prevent the plant from shriveling. As soon as the buds begin to show, more water should be given to fully develop the flowers. After the flowering season is over, the plant generally begins to show signs of growth, when it should receive any potting or re-basketting if needed; if not, then only a top dressing of sphagnum moss, and the plant may be started into growth.

The strong plants as mentioned, are those that are well established; these must be sent by express, at expense of the purchaser.

Cattleya citrina. A very fine Mexican species, producing large yellow flowers in the spring. It grows well on a piece of bark, and should receive abundance of air and light. By mail, each, 75 cents; strong, by express, each, \$1.00, \$2.00, and \$3.00.

Coelogyne cristata. One of the finest Winter flowering Orchids. It produces sprays of five to seven large white flowers from January to March. Only a very light rest should be given this plant from December to March. It delights in a compost of peat and moss, and an airy greenhouse with an average temperature of fifty degrees. By mail, 75 cents; strong, by express, \$2.00, \$3.00, and \$5.00.

Cypripedium barbatum. This popular species produces its purple and white flowers freely from April to July. By mail, \$1.00; strong, by express, \$2.00, \$3.00 and \$5.00.

Insigne. The best known of all Orchids. The flowers are produced from November to March, and last over twelve weeks in perfection on the plant, and three to four weeks when cut. The flower has a yellowish green color, with brown spots and white border on the upper sepal. The stems are long and stout. There are many varieties of this plant. By mail, 75 cents; strong, by express, \$1.00, \$2.00, and \$5.00.

Cypripedium venustum. This is the first tropical *Cypripedium* known. The foliage is beautifully variegated, while the flowers, which are produced in the Winter months, are yellowish brown with dark spots on the petals. By mail, 75 cents; strong, by express, \$2.00, and \$5.00.

villosum. Another fine species producing its flowers from January to April. The color is brownish yellow, shining as if varnished. By mail, 75 cents; strong, by express, \$3.00, and \$5.00.

Epidendrum vittelinum majus. A very desirable species on account of its color. The flowers which are borne six to fifteen on an upright stem, are of rich orange red color and are produced from May to July. It requires the same treatment as given to *Odontoglossum Rossii majus*, while the resting period is from November to June. By mail, 75 cents; strong, by express, \$2.00, and \$3.00.

Laelia albida. This is a very useful species, producing long spikes, each carrying five to twelve white flowers. The flowering time is November to January. The resting period is from November to March, which should be strongly marked. This plant can be grown either on blocks or in baskets with plenty of drainage, and only little moss. It delights in a temperature of from fifty degrees in the resting season to sixty-five degrees in the growing time, with plenty of air, all the light that can be given it, and only sufficient shade to protect it from the burning sun. By mail, 75 cents; strong, by express, \$2.00.

anceps. This is a well-known species, producing long spikes with three to five large rose-colored flowers from November to March. The resting season, culture, etc., is exactly the same as *Laelia albida*. By mail, 75 cents; strong, by express, \$2.00 and \$3.00.

Lycaste Skinnerii. A well-known plant which sends up as many as twelve large flowers from one bulb. The color of the flowers vary through the different shades of lilac, rose and deep crimson, while the pure white varieties are very rare. It generally flowers from January to April, after which a slight rest should be given until the new growth advances an inch or two. Pot culture, with fibrous peat and a top dressing of moss, as material, a temperature of from 55 to 60 degrees partial sun, and strong light and air, are necessary to give good results. By mail, \$1.50; strong, by express, \$3.00 and \$5.00.

Odontoglossum Alexandræ (or Crispum). Acknowledged to be one of the finest species in existence, producing long arching spikes of white flowers from January to May. It should never be allowed to get too dry, and should be kept at a mean temperature of fifty degrees. The best compost is good sweet peat and sphagnum moss, with plenty of drainage. The house should be a lean-to and have northern aspect. In the Summer the plants should be shaded and kept as moist and cool as possible. By mail, \$1.50; strong, by express, \$3.00 and \$5.00.

Rossii majus. A fine plant for basket culture, flowering from January to March. The flowers are large, pink or white, with petals and sepals spotted with chocolate brown. It requires a temperature of fifty to fifty-five degrees, with plenty of light. The resting period is from November to February. Compost of fibrous peat with top dressing of moss is the best material. By mail, 75 cents; strong, by express, \$2.00, \$3.00, and \$5.00.

TEMPERATE HOUSE ORCHIDS.

Such greenhouses as are used to grow Palms, Begonias, Ferns, and any other Foliage plants, with a temperature of from 55 to 65 degrees, are just the places to harbor this class of orchids, which contains some of the finest and most showy of this family of plants, and which has no equal as regards beauty, strange shapes, and delicate coloring of the flowers. Then, Orchids are just as cheap as any good plants, and therefore within the reach of anyone who has the taste for the beautiful handiwork of nature.

Under the heading of Cool Orchids are directions for general culture, which apply to this section also, with the following further comments as regards potting and other rules for the care of Orchids, which also holds good for the Cool House section.

The best potting material is good fibrous peat and clean sphagnum moss with plenty of potsherds intermixed. Good drainage should be provided, and plants well elevated above the rim of the pots or baskets. In re-potting, care should be taken not to disturb the roots; rather break the old pot, while the basket can be set into a larger one and some material worked around. Overpotting should be avoided, and plants not disturbed or potted unless necessary.

Orchids, as a rule, are fond of pure fresh air and plenty of light, while many delight in sunshine. The plants should be kept clean from insects by occasional sponging, and some tobacco stems being laid on the hot water pipes from time to time. With these general cultural directions and the brief statement with each described species, any beginner will be able to grow Orchids without any difficulty, and reap a rich harvest of their beautiful blossoms.

The prices given here are for well established plants, by Express, at purchaser's expense.

Cypripedium Harrisianum. A grand hybrid, and a very valuable addition, as it produces flowers twice and even three times a year. The flowers are large, on long stems, and of a showy rich brown purple color. Each, \$2.00 and \$3.00.

Cattleya Mossiæ. This fine plant flowers from May to July. The large flowers, which are produced several on a stem, vary through the different shades of lilac and rose, while the lip is beautifully colored with deep golden yellow. The resting time is from November to May, otherwise same treatment as Cattleya Trianae. Each, \$2.00, \$3.00 and \$5.00.

Percivalliana. A species flowering from November to February. The flowers are of deep rosy-purple color, with richly colored lip of deep crimson purple and golden yellow. Resting season from November to March. Requires same culture as Cattleya Trianae. Each, \$2.00, \$3.00 and \$5.00.

Trianae. This is the most useful of all the Orchids, flowering as it does from January to April. The flowers are from five to eight inches in diameter, produced 2 to 4 on the ripened bulbs. The color varies from white through all shades of rose, lilac and purple. It can be grown in either baskets or pots in clean fern fibre and a little sphagnum moss. The resting season is from December to March, that is after it has finished its growth and before the new growth starts. An average temperature of 60 degrees, plenty of light, air and partial sun are necessary for its successful culture. Each, \$2.00, \$3.00 and \$5.00.

Dendrobium Nobile. One of the first Orchids grown. It produces freely a number of showy white and purple flowers on straight stems in February and March. The resting season should be well marked from December to April. This species can be grown in pots or baskets with fibrous peat and a top dressing of sphagnum. It delights in a temperature of 55 to 60 degrees, and plenty of air and par-



CATTELEYA TRIANAÆ.

tial sun especially in the autumn to ripen the bulbs well, and thus insure good flowering. Each, \$1.00, \$2.00 and \$3.00.

Dendrobium, Wardianum. This fine plant has pendant pseudo-bulbs which are covered with very large white flowers with purple tips and yellow throat. The resting season and treatment same as Dendrobium nobile. Each, \$1.50, and \$3.00.

Laelia purpurata. A grand species producing from 4 to 6 very large and fine flowers from May to July. The flower is white, with a large, bright crimson purple lip and yellow throat. The resting season is from December to May, otherwise it needs the same culture as Cattleya Trianae. Each, \$2.00, \$3.00, and \$5.00.

Oncidium unguiculatum. This very useful species produces a long spike of yellow and brown flowers in the winter months. Each, \$1.50, \$3.00, and \$5.00.

Papilio. Well known as the "Butterfly Orchid." Blooms nearly all year round. Flowers succeeding each other on the same stem, which should never be cut. Grown best on blocks in a temperature of 60 to 65 degrees. Each, \$2.00, \$3.00, and \$5.00.

Peristeria Elata, or the Holy Ghost Orchid. Throws a large spike of white flowers in autumn. Care should be taken so as not to give it too much water until the new growth is well rooted, after which they may receive a liberal supply. Each, \$1.50, \$3.00, and \$5.00.

ROSES, MONTHLY.



SUMMER BLOOMERS.

In making up our sets of Summer and Winter blooming Roses, we have selected such varieties as in our judgment will give the greatest amount of beauty, to those who may wish to grow a few varieties only. Each set is composed of standard sorts, many of them being the finest of their class in cultivation.

In consideration of the reduction in price at which these sets are offered, we must reserve the right to substitute in case our stock of one or more varieties should become exhausted.

Rose, Etoile de Lyon. Beautiful deep yellow, flowers large and well formed; an abundant bloomer.

Francisca Krueger. Coppery yellow, shaded with peach, large and full.

Hermosa. Bright pink, flowers medium size, constant bloomer.

La Princess Vera. Rich ivory-white, shaded coppery yellow, veined with pale blush and carmine.

Rose, Monthly Cabbage. A fine old variety, bright rosy-pink, flowers full and fragrant.

Marie Lambert, creamy-white, flowers medium size remarkably free bloomer.

Mlle. Claudine Perreau. Flowers large, full and perfectly double, color beautiful rosy-flesh, shading to a clear pink, with a rich crimson center, very fragrant.

Princess de Sagan. Dark velvety crimson, with purple shadings and amaranth center, flowers large, finely cupped and highly scented, very free bloomer.

Queens Scarlet. Rich dark crimson, free grower, almost constantly in bloom.

Suzanne Blanchet. Rose, tinted flesh color, large and of fine form, very fragrant.

Each, 15 cents; the set, \$1.00.

ROSES, MONTHLY.



WINTER BLOOMERS.

Rose, Bon Silene. Rich shade of carmine, beautifully tinged with salmon. For many years this variety has been a leading kind for forcing, on account of the great size and beauty of its buds. The flowers on opening are semi-double, which makes it desirable in the bud form only, delightfully fragrant.

Catharine Mermet. One of the finest varieties in cultivation, with buds of the largest size, and handsomest form. The petals are gracefully recurved, so as to show a lovely bright pink center, which gradually shades towards the outer edge to a very light pink. Plant, of strong growth and free blooming habit, very fragrant.

Marie Van Houtte. White, tinged with yellow, and shaded pale rose; of good habit, in every respect a splendid variety.

Mad. Joseph Schwartz. Blush, edged with carmine. Flowers cup-shaped and borne in clusters.

Perle des Jardins. Rich shade of yellow, very perfect in form, free grower, and very profuse bloomer, Extra fine. 20 cents each,

Rose, Papa Gontier. Brilliant carmine changing to pale rose; reverse of petals purplish-red; large. A magnificent variety that is becoming very popular, on account of the size and beautiful form of its buds.

Souvenir d'un Ami. Rose color, tinged with salmon. Flowers large, full and double; has been a great favorite and still retains its popularity; highly scented.

Safrano. Bright, saffron-yellow, changing to fawn, sometimes tinged with rose; beautiful buds; fragrant.

The Bride. This is a sport from Catharine Mermet, and is identical with that variety except in color. The flowers are very large, pure white, borne on long, stiff stems, and very lasting after being cut; fragrant.

White Bon Silene. Pale lemon-yellow shading to creamy-white; very fine.

Each, 15 cents, except as noted. The set, \$1.00

NEW AND SELECT H. P. ROSES.



VICK'S CAPRICE.

New Striped Rose, Vick's Caprice.

Vick's Caprice. This grand novelty is a true hybrid perpetual Rose, being a sport from the H. P. Rose Archduchesse d'Autriche, therefore perfectly hardy. We esteem this one of its greatest advantages, as it may be grown to perfection by the amateur equally as well as by the professional florist. The flowers are large, ground color soft satiny pink, distinctly striped and dashed with white and carmine. It is beautiful in the bud form, being quite long and pointed, also showing the stripes and markings to great advantage, making it a valuable and desirable variety for cutting. The price at which we offer this wonderful novelty is remarkably low. Good plants, each, 25 cents; extra strong, 2 year plants, each, 50 cents.

Rose, Charles Dickens. Rose color, large and full; a splendid bedding Rose, producing immense masses of fine flowers; growth vigorous. Each, 30 cents.

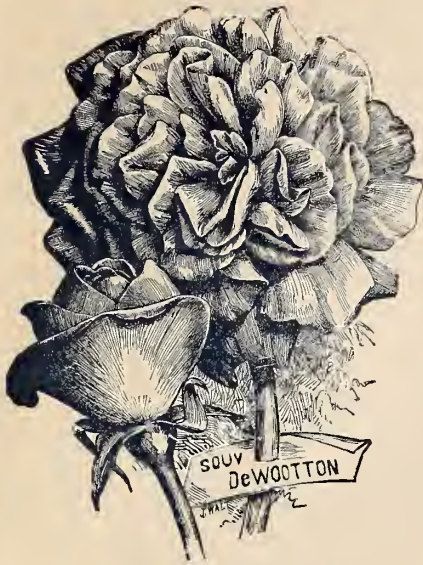
Grand Mogul. Flowers of a deep brilliant crimson, shaded with scarlet and black, in dull weather and late in summer the color is somewhat darker, approaching to maroon, of vigorous growth, foliage large and massive. Each, 30 cents.

Marchioness of Lorne. Flowers of a very rich rose color, slightly shaded in the center with vivid carmine; large, very sweet, full and finely cupped, buds long and handsome. Each, 30 cents.

Silver Queen. Silvery blush, shaded in the center with delicate rosy pink; flowers large, full, of a beautifully cupped form, and produced in great abundance; habit unusually good, very distinct and fine. Each, 30 cents.

The set, \$1.25, or with 2 year plant of Caprice, \$1.50.

ROSES.



Hybrid Tea.

Rose, Souvenir de Wootton. This is an American Seedling, from the seed of Bon Silene fertilized with Louis Van Houtte; the flowers are very large, of a dark velvety red color and highly perfumed. It is very beautiful in the bud, of extraordinary size, and the most perfect form; a grand Rose that will prove valuable for forcing. Each, 25 cents.

Duchess of Albany. A sport from La France, deeper in color, more expanded in form and of larger size. The flowers are deep pink, very large and full, highly perfumed, and in all respects of first quality. The plant is of strong healthy growth and blooms abundantly. Each, 50 cts.

Tea.

Sappho. A splendid variety of vigorous growth, good habit, and produces its blooms with extraordinary profusion. The flowers on opening are a beautiful shade of buff and yellow, with deep bright yellow centers. In the bud, it is fawn color suffused with rose, beautiful in form and delightfully fragrant. Each, 25 cents.

Polyantha.

Blanche Rebatel. Flowers small and prettily shaped; in clusters of forty to fifty blooms; bright carmine shaded with rose, a new color in this class. Each, 25 cents.



Choice Selection of Hybrid Perpetual Roses.

Anne de Diesbach. Beautiful shade of carmine; large and very fragrant.
Baron de Bonstetten. Velvety maroon, shaded with crimson, of good substance; very fine.

Dr. Marx. Rosy carmine, flowers large and full.

Fontenelle. Carmine-red, flowers medium size, full and very double.

La Reine. Deep rosy-lilac, flowers very large and beautiful.

Madam Plantier (Hyb. China). Flowers pure white, above medium size; full, flat form; foliage rather small; blooms in great abundance.

Pæonia. Bright, clear red; very sweet; one of the finest old varieties.

Souvenir de Ducher. Flowers deep crimson, very rich; of compact form.

Each, 20 cents; the set, \$1.00.

GOOSEBERRY.

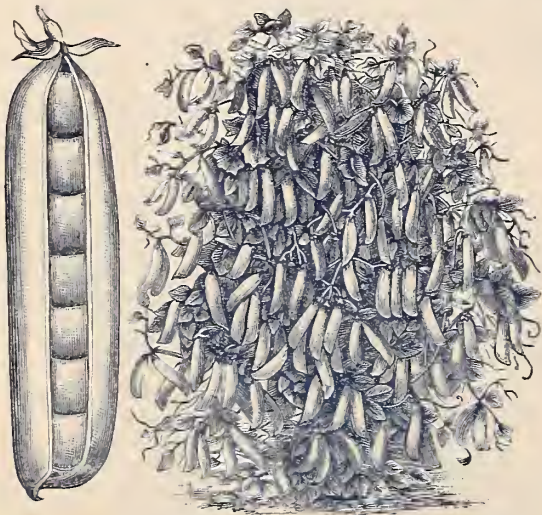


This new variety is an American Seedling of the English type. The foliage is a dark glaucous green, and in the early stages of growth the wood is very spiny, making it quite distinct in this respect. The fruit is large, of a deep golden yellow, excellent in quality and very attractive in appearance. It is perfectly hardy, very prolific, a good grower and unusually free from mildew. Plants, each, 60 cts.



POTATO, VICK'S PERFECTION.

This new variety is a chance seedling, and is certainly one of the finest Potatoes we have ever grown for general purposes. Its wonderful productiveness, fine appearance and good cooking qualities, will surely make it a great favorite. The tubers grow compact in the hill, and are large and uniform in size, oblong inclining to oval, but generally flattened. Color white, with a tinge of pink around the eyes similar to the Hebron. The vine is of strong, vigorous growth, yet stocky and short jointed, maturing about the same time as White Star. We feel confident this variety will prove of great value for field culture, and become very popular. Per lb., 40 cents; 3 lbs., \$1.00; peck, 50 cents; bushel, \$1.60; barrel, \$4.00.



VICK'S KING OF THE DWARF PEA.

This new seedling, introduced by us in 1886, in season follows closely McLean's Little Gem, coming into market in the space intervening between the early and the late varieties. The vines are sturdy and remarkably vigorous, growing about two inches taller than the Little Gem, and bearing a profusion of pods, which are packed closely with large Peas, as shown in the engraving. On careful comparison, both as to number of pods and Peas in the pods, with all of the principal dwarf varieties, including the American Wonder, we find that the King of the Dwarfs outyielded them all by twenty per cent., all planted at the same time, on the same soil, with equal cultivation.

The King of the Dwarfs is a seedling, obtained by crossing American Wonder with McLean's Little Gem, and selected as the most promising from forty different seedlings. In flavor it is unsurpassed. Price, per quart, 80 cents; packet, 15 cents.

Dwarf Champion Tomato.

This new Tomato is entirely distinct, in habit of growth and foliage, from any other sort. It is dwarf and compact in habit, the plant growing stiff and upright, with very thick and short-jointed stems. This habit it retains, in all stages, throughout the season. It can be planted as close as three feet, and still allow sufficient space to gather the fruit without inconvenience. It will bear very heavy manuring; the strength increasing the abundance and size of fruit, instead of producing superabundant vines, as would be the case with other varieties in very rich soil.

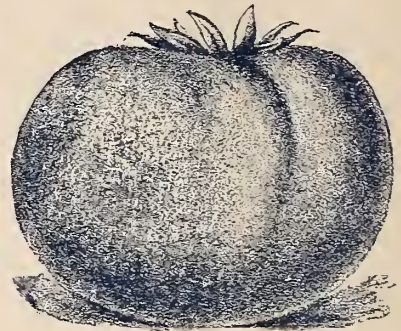
In a comparative test with leading varieties, it has proven itself remarkably early. It will yield double the quantity of extra early fruit per acre that can be obtained from any other Tomato. This is an important item, considering that the very early fruit always realizes high prices.

As a cropper, it is probably unsurpassed; and will, owing to the smaller amount of space required between the plants, yield more to the acre, if not even more stalk for stalk, than any other variety.

In form and color the fruit closely resembles that of the Acme; it is always smooth, symmetrical and attractive in appearance; the skin is tough and the flesh solid; ripens well close round to the stem, and is not so much subject to crack as some other sorts.

The Dwarf Champion will not disappoint those who give it a trial.

Per oz., 50 cents; ½ oz., 30 cents; packet, 5 cents.



McCOLLUM'S HYBRID TOMATO.

Among the many varieties of Tomatoes tested on our grounds, we have found none possessing so many desirable qualities as McCollum's Hybrid. Although first offered to the public last season, this Tomato has been grown in this vicinity for a few years, and had come to be recognized as one of the best market sorts in cultivation.

Mr. C. Tholen, of Tonganoxie, Kansas, who has had twenty-two years' experience in Tomato growing, writes: "We consider it our duty to report the great success of McCollum's Hybrid Tomato. It is perhaps not as early as some, but it is by far the best all around Tomato ever produced. It is large, smooth, fine color, no wrinkles, ripens all over; and can stand more frost than any Tomato we have ever handled. To-day (Oct. 17), after having experienced several frosts, the vines look fresh and green, and full of fine luscious fruit, while six other varieties, under the same treatment, are dead and dried up. Nobody should be without the McCollum."

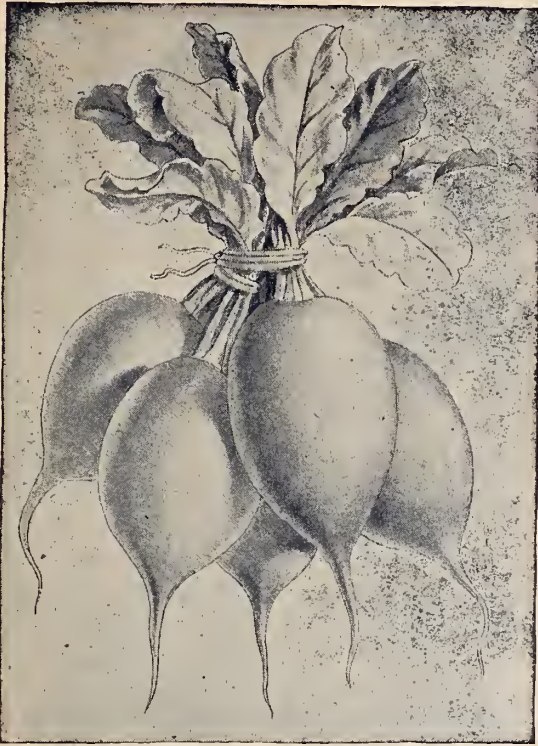
The plant is a strong, robust grower; fruit large—equal to Trophy in size and productiveness—smooth, slightly flattened, very solid, brilliant scarlet in color, and of excellent quality; ripens evenly and thoroughly. It is very early—earlier than Paragon and others of that class. No other variety of very large size has so many points of merit.

Price, per oz., 75 cents; ½ oz., 40 cents; packet, 10 cents.

Raspberry, Golden Queen.

The great beauty, large size, productiveness, and high quality of this variety are very commendable. It seems equally as hardy as any other sort, and is a grand addition to this class of fruit. It will become a general favorite for the home garden or near market, as its merits become known. Color, light amber. Price, per dozen, \$1.00; per 100, by express, at purchaser's expense, \$2.00; per thousand, \$15.00.

Vick's Early Scarlet Globe Radish.



Brought out by us in 1884, Vick's Early Scarlet Globe Radish has become widely and deservedly popular, and still stands at the head of the list as decidedly the best forcing Radish. It is the earliest; its color is the handsomest; in flavor it is the mildest, most crisp, juicy and tender. It is the market gardener's favorite as a forcing Radish. It forms small top and will stand a great amount of heat without becoming pithy. It is also an excellent variety for garden culture. Price, per lb., \$1.00; oz., 10 cents; packet, 5 cents.

GRAPE, NIAGARA.

This variety is a cross between the Concord and Cassaday. It is an unusually strong growing variety, producing an abundant crop of large compact bunches of fruit, of a light green color. The berries are medium to large, and have a flavor and aroma peculiarly their own, which is well liked by most people. In our opinion, those who plant the Niagara will be well pleased with it. Strong, one year vines, each, 25 cents; two years, 35 cents.

"IRONDEQUOIT" MUSK-MELON.



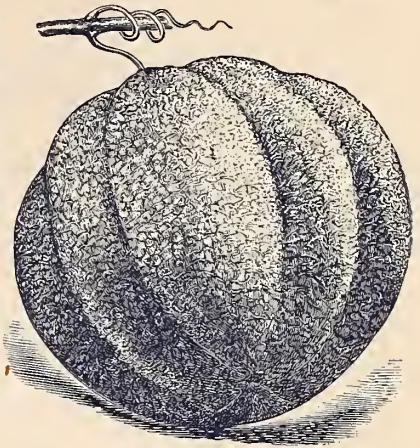
light grayish color, netted; flesh orange, very thick. We consider it one of the best Melons we ever grew, and well worthy of trial. Price, per pound, \$4.00; ounce, 40 cents; half ounce, 25 cents; packet, 15 cents.

Another season's trial of this new Melon, and the number of testimonials we have received in its praise, warrants us in again calling special attention to it.

Most of the yellow-fleshed Melons that have heretofore been grown, have lacked the spiciness peculiar to the green-fleshed varieties; but in the "Irondequoit" we have a Melon of exquisite flavor, juicy, melting, nectar-like. The vine is a strong grower, and very productive. The fruit is large, reaching twelve to fifteen inches in diameter, round and ribbed; skin of a

Vick's Prolific Nutmeg Melon.

We have yet to find a Musk Melon more satisfactory than the "Prolific Nutmeg." Of the many varieties grown on our seed farms, Melons of this variety were the first ripe—their flavor was most delicious—and the vines yielded the greatest number of marketable Melons. In these three most important characteristics, viz: EARLINESS, QUALITY, PRODUCTIVENESS, Vick's Prolific Nutmeg stands at the head of the list. Price, per lb., \$2.00; oz., 20 cents; packet, 10 cents.



NEW GRAPE, MOORE'S DIAMOND.

A new variety of great excellence. Said to be a cross of Concord with Iona. Originated with Jacob Moore, who produced the Brighton. Bunch large, compact, shouldered, and sometimes double shouldered, very handsome. Berries large, white with a whitish bloom; skin thin, but tough; berries cling well to the peduncle; flesh melting, juicy and sweet to the center; vine a strong grower, and abundant bearer. This is a variety of remarkable merit, and will take a place above any white variety now known. Strong, 1 yr. vines, each, 25 cents; 2 yrs., 50 cents.

PHILADELPHIA WHITE "BOX" RADISH.



This variety is much superior and entirely distinct from any early white turnip radish heretofore offered by the trade. Its points of superiority are remarkably short top, rapid growth, perfect turnip shape, extra fine quality, and showing no disposition whatever to become pithy with age, but on the contrary remains solid and juicy long after fully grown. Its short top and rapid growth especially fit it for growing under glass, in frames or "boxes," hence its name, as well as early sowing on squares or borders in the open ground. Owing to its very short leaves, it can be sown very thickly in the row without causing the leaves to "draw." In fact it is fit to pull before the leaves are large enough to tie. Fully one-half more radishes can be grown in the same space of this sort than any other, which makes it extremely valuable to those engaged in forcing early vegetables under glass. Per lb., \$1.50; oz., 15 cents; pkt., 10 cents.

VICK'S IDEAL DWARF CAULIFLOWER.

We introduced the "Ideal" to public notice in 1886, and claimed for it superiority to any other variety in the following points, viz: *Reliability of Heading, Size and Solidity of heads, and protective habit of inner leaves.* The tests of another season, our own experience, and that of many gardeners expressed in the highest terms of satisfaction, assure us that we have not claimed too much in its favor. One gardener says of it: "I have never had finer Cauliflowers." Another says: "I find the heads of your "Ideal" Cauliflower *average larger than those of any other variety I have raised and also such heads of "Ideal" as are apparently the same size as other sorts invariably outweigh them.*" Another: "The seed which I bought



of you did well from the time it was sown in the hot-bed. *Every plant I set made a splendid head.* Taking all things into consideration, I think the "Ideal" will *outrival any other variety.* I weighed a few heads, trimmed ready for market, which tipped the scales at seven pounds." Another, writing under date of March 25, 1888, says: "I have raised, during the past two seasons, heads of Ideal Cauliflower weighing eleven pounds, and my whole crop averaged eight pounds per head. When I came into market with them, all other sorts failed to sell." Plants very dwarf, outer leaves erect; can be set closely; equally good for early or late planting. Price, per ounce, \$8.00; half ounce, \$4.00; quarter ounce, \$2.00; packet, 50 cents.

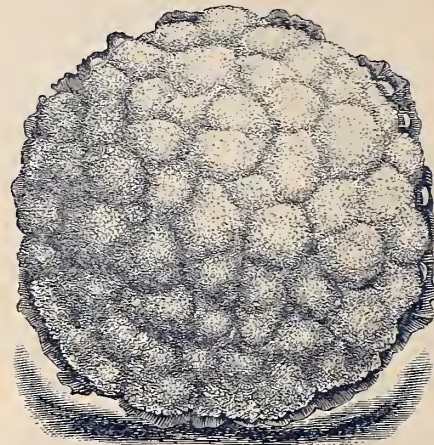
Golden Giant Mangel Wurzel.



In our trial grounds, the past season, nothing attracted more attention than this entirely new and distinct Mangel Wurzel. It is of very large size, growing more than half above ground, remarkably uniform in shape, rather elongated, with a fine neck and a smooth, rich, russet yellow skin. Flesh white, firm and sweet, much liked by cattle. A magnificent root, easily lifted from the ground, producing enormous crops, and an excellent keeper. Every grower of root crops should give it a thorough trial, as it is undoubtedly a variety of sterling merit. Price, per pound, 75 cents; ounce, 10 cents.

This engraving was made from Photograph of Mangel, exhibited by David Mills, Springville, Iowa, at Illinois State Fair, Peoria, September 29, 1890, in our \$1,000 prize exhibit. Won first prize \$75.00.

Henderson's Early Snow-ball Cauliflower.



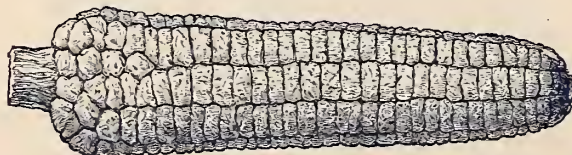
This splendid variety is now widely known and highly prized by the market gardeners of the country. One of the earliest, it is also very reliable in forming heads, which are large and solid. For early planting it is very desirable and also excellent for later crop. Habit of plants being dwarf, with erect leaves, they can be set closely. Our stock of seed is of the finest strain from the original source. Our customers will find it true and unexcelled by that of any other seedsman. Price, per ounce, \$4.00; half ounce, \$2.25; quarter ounce, \$1.25; packet, 35 cents.

Dwarf Golden Self Blanching Celery.



This is a variety of Celery of French origin. We have tested it in our experimental grounds for several years, and endorse it as a valuable acquisition. It is of dwarf habit and very stocky; stalks very uniform in height, growing compactly; color of majority of stalks and leaves a rich golden yellow. In quality we have found it unexcelled, being solid, tender, crisp, and rich in flavor. The same culture and treatment will apply to it as to the White Plume Celery. It is a better keeper than that variety, and fully equal if not superior in beauty and other respects. Price, per lb., \$5.00; oz., 50 cents; 1/2 oz., 30 cents; pkt., 10 cents.

CORY SWEET CORN.



A new variety of Sweet Corn, a few days *earlier than the Marblehead*, and producing ears somewhat larger. In general appearance it closely resembles the Early Marblehead variety, and, doubtless came originally from the same parent seed stock. To marketmen this variety is of great value, as it is well known the first Sweet Corn will bring two or three times the price it commands when the supply becomes general. Price, per quart 40 cents; per packet, 10 cents.

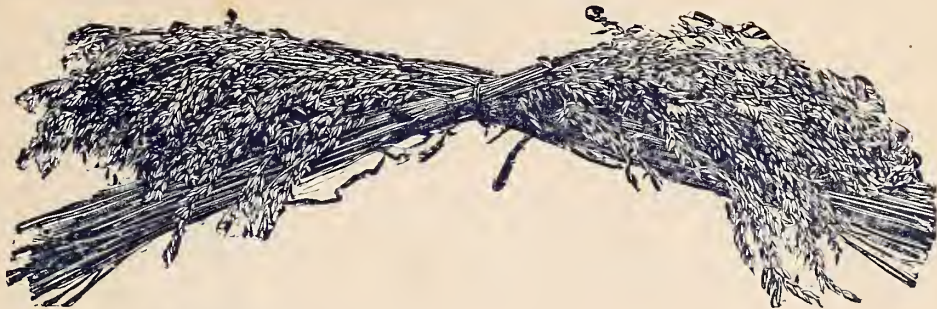
THE AMERICAN BANNER OAT.

When we introduced the American Banner Oat, we *knew* it was a good thing. We had tried it for three years previously (from an original stock of about a pint), and were satisfied both as to its distinctness from other varieties, and also as to its productiveness. We had raised over a hundred bushels to the acre; and wo other fields, neither of which had any fertilizer for two seasons, yielded seventy bushels per acre.

The past seasons have more than confirmed all claims made for this wonderful Oat, and the results suggest that there was something prophetic in the name that was given it. Truly it is the "Banner" Oat of America! Reports from all sections indicate a satisfaction that has seldom, if ever, been accorded to any new article of this class. An average of eighty pounds from a single pound of seed is indeed a remarkable yield—thirty pounds in excess of the claim we made for it when first introduced.

"The largest oat meal millers say they are the best oats for meal they have ever seen."

The grain is white, large and plump, ripens early, has a stiff straw of good length. It tillers freely, so can be sown thinner than is customary. We want every customer who raises grain, to try the American Banner Oats. Prices, postpaid, per pound, 25 cents; per three pounds, 60 cents. By express or freight, at expense of purchaser, per peck, 50 cents; per bushel, \$1.75; per five bushels, \$8.00. For larger quantities, special prices on application.



NEW JAPANESE BUCKWHEAT.



This new variety of Buckwheat, which was introduced into cultivation only three years ago, has proved of such sterling merit that, where known, it has almost entirely superseded all other varieties. The kernels are twice the size of any variety, the straw is heavier, it branches more and does not need to be sown so thickly as other kinds. It is enormously prolific. It ripens a week earlier than the Silver Hull and yields two or three times as much. Flour made from it is fully equal

in quality to that of any other sort. Every one who grows Buckwheat should give the New Japanese a trial. Per pound, by mail, postage paid, 25 cents; three pounds, 60 cents; peck, 60 cents; bushel, \$1.50.

VICK'S DOUBLE WHITE PHLOX DRUMMONDII.



For many years we have made a specialty of Phlox Drummondii, in the course of which time we have made several valuable additions to the existing collection of varieties. The most important one of these is the Double White, the character of which we succeeded in fixing, and placed it in our FLORAL GUIDE for the first time in the year 1881, where it has since appeared. Eighty per cent. of the flowers are perfectly double, and of a color which is the most desirable.

It is a profuse bloomer and of the greatest value for cutting for bouquets. Price, per packet, 15 cents.

Phlox Drummondii grandiflora. VICK'S BEAUTY.

(SEE COLORED PLATE.)

Our colored plate fails to show the delicate coloring of this distinct new variety of the large-flowering Annual Phloxes. For a few years past we have offered a new pink variety of this class under the name of *P. grandiflora carnea*. From this we have made careful selections until the present beautiful variety has been obtained.

The flowers of this new strain are very large—the largest of the class—of a delicate shade of salmon-pink with a star-like eye of much deeper color. One of the most attractive among the newer varieties of this interesting section of Phlox Drummondii, and one that cannot fail to elicit the admiration of all who grow it. Price, 15 cents per packet.

Phlox Drummondii fimbriata and cuspidata.

These Phloxes must be regarded as highly original novelties. While the petals of all other Phloxes are entire, of these varieties they are partly fringed and partly three-toothed in *P. fimbriata*, and in *P. cuspidata* the central teeth of the petals are five or six times as long as the lateral ones, projecting like little spines, giving the flowers a regular star-like form. The beauty of the flowers is enhanced by a white margin which borders the edges of the petals. There are already many distinct colors. Owing to their disposition to cross spontaneously, we offer these two classes in mixture only. Price, per packet, 25 cents.

Danver's Yellow Globe Onions.



This illustration was produced by photo-electrotyping the exhibit of Danver's Yellow Globe Onions entered at Illinois State Fair, Peoria, Sept. 29, 1890, by F. L. Bent of Sunderland, Mass., and was awarded the First Prize of \$75. For prices and description see page 71.

NEW SWEET PEAS.

During the past few years many beautiful new varieties of Sweet Peas have been produced, a few of which are in our original list without having special attention called to them. These new sorts produce larger and better-formed flowers, of greater substance, than the older ones, and form a group of rare and exquisite beauty.

The varieties offered below embrace nearly or quite all that have been brought out up to the present time.

Peas, Queen of England. A new white variety of extra large size and good substance. Per packet, 25 cts.

Apple Blossom. Standard bright pinkish rose; wings blush; very free bloomer; one of the best. Per packet, 25 cents.

Boreatton. A fine dark variety, with large flowers. Standard rich shining bronzy crimson; wings beautiful crimson-purple. Per packet, 25 cents.

Cardinal. A splendid robust growing variety, producing a great profusion of bright shining crimson scarlet flowers; very handsome. Per packet, 10 cents.

Duchess of Edinburgh. A very beautiful variety. Standard light scarlet, wings flushed with crimson, slightly marbled and splashed at the edge with creamy white; wings deep rose. Per packet, 25 cts.

Fairy Queen. Wings white; standard blush, pink penciled; very delicate. Per Packet, 20 cents.

Imperial Blue. Very distinct. Standard rich purple; wings bright blue, shaded with mauve. Per packet, 10 cents.

Peas, Indigo King. Standard dark maroon-purple; wings clear indigo blue. Per packet, 25 cents.

Invincible Carmine. The brightest colored of all, being of an intense crimson carmine. In general appearance it resembles Invincible Scarlet, but is far in advance of that variety for cutting purposes as well as for garden decoration. Per ounce, 20 cents; packet, 10 cents.

Isa Eckford. Charming variety, the flowers being a beautiful creamy white, suffused with rosy pink. Per packet, 25 cents.

Orange Prince. One of the most distinct. Standard pink and orange, flushed with scarlet; wings bright rose, veined with pink. Per packet, 25 cents.

Princess of Wales. A fine variety; shaded and striped with mauve and purple on white ground. Per packet, 15 cents.

Queen of the Isles. Scarlet, mottled with white and rosy purple; fine. Per packet, 15 cents.

Splendor. Rich bright pinkish rose, shaded with crimson. A very distinct and superb variety. Per packet, 25 cents.

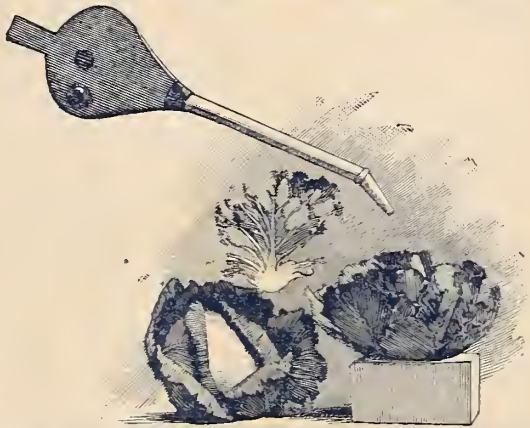
The Queen. Standard light rosy pink wings light mauve. Per packet, 25 cents.

Vesuvius. Violet and rose. Distinct, but not brilliant. Per ounce, 25 cents; packet, 10 cents.

New Varieties Mixed. We have prepared a special mixture of the best and most distinct of the new varieties, which we offer at the following prices: Per pound, \$4.00; ounce, 40 cents; packet, 15 cts.

VICK'S EXCELSIOR INSECT EXTERMINATOR.

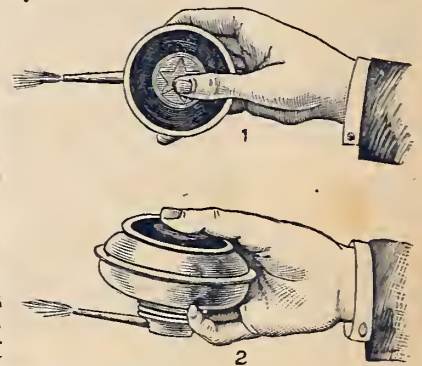
Will destroy Striped Fleas, Cabbage Lice, Green Cabbage Worms, Potato Bugs, Aphis, Squash Bugs, etc. Harmless to plants or vegetables. Sure death to all plant insects, particularly the green Cabbage Worm, for whose ravaging attacks there has hitherto been no known remedy.



This powder can be applied most thoroughly, economically and quickly by means of the bellows we have had constructed for that purpose. The

engraving represents the position in which the bellows is held when operating; also a well developed head of Cabbage, on which the Exterminator was used the past season. The leaf in the background was taken from a neighbor's garden, where the plants, though well developed, were completely ruined by the Cabbage worm. About one-half or three-quarters of a pound of the powder should be placed in the bellows through the cork opening at the side. A single puff over the heart of the Cabbage is sufficient for one application. The bellows can thus be worked as fast as a person would ordinarily walk.

Exterminator, 40 cents per pound, by mail. In lots of 5 pounds or over, 25 cents per pound by express at expense of purchaser. 8-inch bellows, \$1.25; 12-inch bellows, \$1.50. The Bellows can be sent only by express at expense of purchaser. For use in conservatories, and for house plants we offer a small zinc Bellows, as shown by the engravings. No. 1, with one ounce of Exterminator, price 25 cents, sent by mail. No. 2, with four ounces Exterminator, 60 cents, sent by mail. Try it. It will quickly pay for itself.



\$1.00 COLLECTION.

Flowers that Bloom in the Spring.

Hardy Perennials. Choice Selection from our Earliest Blooming Varieties.

All lovers of early spring flowers should purchase this CHOICE and BEAUTIFUL ASSORTMENT of EARLY BLOOMERS. They require only ordinary culture, and where once planted will increase in size, and become more beautiful each season.

Alyssum Wierczbecki, flowers bright yellow, very early, a good plant for borders or edging.

Papaver (Iceland Poppy). These plants form very ornamented tufts of fern-like foliage, from among which slender flower stalks rise to the height of about one foot, bearing their elegant cupshaped fragrant flowers from May to November.

nudicaule, White.

Yellow.

Orange.

Polemonium reptans (Jacobs Ladder), a very early free blooming perennial, color deep azure blue. 18 inches high.

Primula New Hybrid, a new strain of English Primroses.

Myosotis alpestris Victoria, new, a very beautiful compact little plant, growing 6 to 9 inches high, covered with large umbels of azure blue flowers, remaining in bloom a long time.

Iberis sempervirens (Perennial Candytuft), flowers pure white, large in heads, one of the best perennials, unsurpassed for cutting, one foot high.

The collection of 8 varieties for \$1.00, sold as a set only.

PANSY PLANTS. Fine Strain. Plants, by mail, prepaid, each, 15 cents; per dozen, \$1.50.

\$200.00 CASH PREMIUMS.

Many of our customers have sent us large club orders, made up among their friends and neighbors.

To more substantially express our thanks for their kindness, we offer the following Cash Premiums to those who send the largest orders before June 1st, 1891.

Person Sending Largest Order will Receive Cash,	\$60.00
Person Sending Second Largest Order will Receive Cash,	40.00
" " Third " " " " " "	30.00
" " Fourth " " " " " "	20.00
" " Fifth " " " " " "	15.00
" " Sixth " " " " " "	12.00
" " Seventh " " " " " "	10.00
" " Eighth " " " " " "	8.00
" " Ninth " " " " " "	5.00

It is not necessary to send in the whole order at any one time, additions can be made from time to time. Each person in Club will be entitled to all premiums same as if order were sent direct. A New York draft will be mailed June 2d, to each person entitled to a premium.

Parties intending to compete for these premiums must send a memorandum to this effect with name and address on separate piece of paper with the first order.

VICK'S Flower and Vegetable Garden.

A Book of over 200 pages.

Hundreds of Illustrations, and six Colored Plates.

Elegant Cloth Covers. Revised Edition, \$1.25.

Full and practical directions for the cultivation of flowering, ornamental and kitchen garden plants. The beginner in gardening is told just what he wants to know, and in a simple way. It has proved a most acceptable gardener's assistant, both in the house and open ground.

CATALOGUES OF SPECIALTIES.

We publish the following lists, and send free on application:

BULB CATALOGUE.

Containing descriptions and prices of Hyacinths, Tulips, Crocuses, Lilies, Seeds and Plants for fall planting, and flowers for the house, will be ready September 1st. Mailed free on receipt of request on a postal card; write name and address plain.

Catalogue of Garden Implements.

Catalogue for Market Gardeners, or those who require Seeds, etc., in large quantities. Issued annually, and ready January first.

Catalogue of Lawn Vases.—Contains illustrations and prices of the handsomest and cheapest Vases and Ornaments for the Lawn.

Wholesale List of Seeds, Bulbs, Plants, Potatoes, and Florists' Supplies.—For Dealers only.

List of Vegetable Plants sent on application.

Sulpho-Tobacco Soap for destroying Insects on Plants, 40 cents per can.

Vick's Monthly Magazine One Year Free.

Every person sending an order for three or more dollars worth of SEEDS will receive a copy of

VICK'S ILLUSTRATED MONTHLY MAGAZINE *One Year FREE.*

If desired, state the fact in your order.

Thus for \$3.00 in cash we will supply \$3.45 worth of SEEDS and Vick's Illustrated Monthly Magazine one year, regular price \$1.25, making a total of \$4.70, for \$3.00.

Home Floriculture.

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A VALUABLE WORK

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CULTIVATION OF GARDEN & HOUSE PLANTS.

All who are acquainted with Mr. Rexford's pleasant style of writing will know that his book will be attractive, and as it is written from his own experience it will have a

THOROUGHLY PRACTICAL VALUE.

Written in such a plain and comprehensive manner that a child can understand it. No excuse for failures now.

Elegantly Illustrated and Handsomely Bound.

PRICE, \$1.50.

MISCELLANEOUS.

Whale Oil Soap, by freight or express, at expense of purchaser; 1 lb. bar, 20 cents; 2 lbs. bar, 35 cents; 5 lb. bar, 80 cents; 10 lbs. \$1.50; 20 lbs. \$2.50; by mail, prepaid, 10 cts. per pound additional.	
Peruvian Guano, 1 lb., 15 cents; 5 lbs., 50 cts.; by mail, prepaid, 1 lb. 30	
Hand Forks, small, by mail, prepaid.....	35
Bone Meal, 1 lb., 15 cents; 5 lbs., 50 cents; by mail, prepaid, 1 lb.	30
Floral Fertilizer, by express, not paid, per package, 10 and 25 cents; by mail, prepaid, 15 and	40
Garden Trowels, 7 inch, 25 cents; 8 inch.....	35
Garden Lincs, solid braid, 100 feet, by mail, postpaid, \$1.00; 200 feet ..	2 00



"AMARANTHUS SUNRISE."

SEE PAGE 85.