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NELLIS

FLORAL

INSTRUCTOR

—AND—

PRICED CATALOGUE,

FOR 1880,

Published Quarterly, at 20 Cents per Year.

—BY—

A. C. NELLIS

CANAJOHARIE, N. Y.

Our Quarterly.

Last year we presented our friends and customers with the first number of our quarterly (we having issued an Annual Catalogue in previous years). It met with the greatest approval everywhere, and we can now produce hundreds of flattering letters that express the minds of those who read it, and thousands are now sending for it from all parts of America.

I do not wish to appear vain and boast of what we are doing, but a few facts concerning our business will not be out of place here; Last year we started off with what we thought sufficient stock of everything to double our usual trade; but when the first number of our FLORAL INSTRUCTOR was issued, our business increased rapidly, so much so that our stock of many kinds of seeds ran short, and we did not have enough assistance to attend to the thousands of letters pouring in all the time. To sum up the whole past seasons' work, I must state right here that we filled four times the number of orders of any previous year; and it gratifies me to observe how well our Seeds, Plants, etc., were appreciated.

It pleases me to state that we have made arrangements this year, in every department, to transact "four times" the business of last season; for we have now on hand an extensive stock of all kinds of Seeds and Plants and are prepared to fill orders very promptly.

The INSTRUCTOR will be continued as a quarterly, and will be furnished to subscribers at 20 cents per year, and to all customers who buy Seeds, Plants, etc., to the amount of one dollar or more, free. At these liberal terms it is placed within the reach of all.

In this number we will describe almost everything worthy of culture in the Flower and Vegetable garden. In our next number, to be issued in April, will be given answers to our many knowledge-seeking friends on topics of interest, such as full culture of popular flowers, and description of new and rare novelties. Number 3 will be issued in July and will contain full culture on the different kinds of small fruit in connection with the "Letter Box". Number 4 will be issued in September and will treat almost solely on Holland bulbs and the treatment of plants for winter decoration.

The four numbers will contain at least eighty pages of valuable matter most useful as a guide to the amateur and as a reminder to the practical florist. Containing the gist of so many subjects, it becomes superior to many high priced works. To make this quarterly a success, it should have a wide circulation, and to accomplish this all our friends should inform their neighbors how cheaply we furnish so much valuable matter. If you will send us a select list of names of those you know are interested in flowers, we will mail them a copy of this number as a sample.

A NEW BOOK!

Insects on Flowers and House-Plants and How to Destroy Them.

This is a valuable little Book of Directions to Window Gardeners and lovers of Flowers how to overcome and destroy *Insects on their Plants*, both out-doors and in-doors. It tells how to fertilize and stimulate plants, the experiences of cultivators in keeping their plants healthy. Among the topics are the following: "Red Spider," "Aphis," "Green Fly," "Worms in Pots," "Rose Slugs," "Rose Bugs," "Snails," "Caterpillars," "How to Destroy Insects on Garden Fruit Trees and Vegetables," etc., etc. It is exceedingly valuable also to House-keepers, as it tells all about "Ants" and "House Bugs."

On reading a sample sent me, I determined to offer it to my friends, believing it will be appreciated by all lovers of Flowers who have had trouble with any of these insects.

Price 30 Cents, by mail, post-paid from this office.

FOR FULL INDEX OF THIS NUMBER, SEE LAST PAGES.

{ OFFICE OF THE }

Mohawk Valley Seed Gardens.

A. C. NELLIS, Proprietor,

CANAJOHARIE, MONTGOMERY CO., N. Y.

IMPORTANT TO PUBLISHERS.

Please read this Circular before consigning it to the waste basket.

I have made arrangements to offer to PUBLISHERS ONLY, a choice collection of Flower Seeds (as hereafter described) at COST, for them to use as a PREMIUM. It will be termed "Nellis' One Dollar collection of Flower Seeds."

Offering of premiums to subscribers is a subject, which all publishers cannot agree upon. IT PAYS! This is certain from the numerous instances, which have come before our notice, where newspapers and periodicals have pushed up an enormous circulation from using some small gift or premium, (perchance an insignificant chromo). But enough.—To every publisher, who realizes the real value of offering premiums or gifts, either for prompt renewals or new subscribers, I wish to explain my plan.

I am interested solely in the seed business—growing, wholesaling and retailing of seeds. It is my object to disseminate my choice home-grown Flower Seeds (of which I make a specialty) all over the country, and I have adopted this system as one of the means to help further this end, by putting up ten packets of choice Flower Seed, valued in my "FLORAL INSTRUCTOR" at 10 cents each, or \$1.00 for the whole, in a neat, attractive, little box bearing my name as grower, etc.

The collection will contain one packet each of—

Asters, Double, Choice, mixed varieties and colors.

Balsam, Double, Choice mixed colors.

Cypress Vine, mixed colors.

Helichrysum Monstrosum, Double Varieties, mixed.

Lobelia, Basket Varieties, mixed.

Pansy, Choicest Varieties mixed.

Petunia, Finest Blotched and Striped.

Portulaca, Double, Choicest colors mixed.

Verbena Hybrida, Choice mixed colors.

Zinnia, Double, Splendid colors, mixed.

This is a superb collection, being the kinds that I have found by long experience sell the best, and which cannot be obtained from any Seed store or Seedsman for less than \$1.00 and many seedsmen charge from 15c to 20c each per packet for most of the varieties mentioned above.

I have put the price so low. (ONE CENT PER PACKET,) that every publisher can see at once the great value it will be to him to offer it in some way for an incentive to enlarge his subscription roll.

This is a premium of real value, not needing any additional outlay of money as chromos &c. do, and what many people will purchase for home adornment. It will succeed better as a premium than any story or receipt book, as such things they get in your paper, besides news.

People who are practicing economy and who every year invest some money in seeds, if they can obtain with a good newspaper or periodical, their supply of seeds without extra expense, will grasp the opportunity and thereby increase the papers' circulation.

The "premium plan" up to the present time, has always been to offer articles of little or no real value, that could be bought in any picture or book store for a few shillings at the most, and many for a few cents; this collection is worth to any one \$1.00 and cannot be bought for less.

Out of the subscription list of any known periodical, at least five-eighths of its subscribers are in some way interested in the Beautiful Flowers.

(OVER)

REASONS FOR OFFERING THIS COLLECTION SO VERY CHEAP TO PUBLISHERS AND TO NO ONE ELSE.

My object in putting this collection of seeds so cheap to publishers only, for them to offer as premiums, is to widely circulate my seeds, and increase trade in many families who would otherwise be apt to buy worthless seeds from the stores. (I mean commission seeds.)

The very fact that I have my name on each packet and box, alone assures the quality of seeds contained therein, for if they were worthless varieties, I would soon ruin my business.

The money that is made out of this collection to publishers is very little, as can be easily seen by any one. The only way I can keep from losing money, is by growing these seeds in large quantities, and then by making my own boxes and sacks, and by doing my own printing, thus saving three or four profits. The reward, I expect to receive in future years, after the seeds have been tested and their full value is appreciated. The publisher will receive the thanks of his readers, for putting such a valuable premium within their reach, and will find the premium so popular, that he will continue to use it in future years. The packets will be of the usual size and will contain the same quantity as those sold in my retail trade.

A trial will soon convince any publisher, whether this will be a popular premium or not. Let your lady readers have full confidence in your statements in regard to its value, and let them know what each collection contains and they will all work for your paper.

PRICES, TERMS, &c.

Each collection will be put up in neat boxes containing one packet of each, (10 in all), of the seeds as named above, and will be packed in boxes containing 50 and 100 collections to suit the purchaser. \$5.00 for 50 collections, \$10.00 for 100 collections, delivered to Express or Freight office. Those ordering from a distance, I will pre-pay by mail for the additional sum of 50 cents per 100 collections. By this means they will not be out of reach of any.

These prices are only to publishers and the collections are intended for them to use only as premiums.

This collection will be furnished to but one publisher in a town, or locality, that is, a publisher using them, shall have exclusive control of the territory in which his paper circulates generally.

A sample collection ONLY SENT on receipt of 15 cents.

TERMS:—Cash (or satisfactory references) must accompany the order, by Post-Office money order, or New York drafts. Do not send checks on local banks.

Publishers using this collection, and who want to offer my seeds for sale, will be given a uniform discount of 50 per cent. off of retail price, on all flower and vegetable seeds, by the packet, and I will pre-pay such orders by mail, direct to the purchaser. A discount of 33 $\frac{1}{3}$ per cent. will be allowed on all seeds by the ounce, pound, pint or quart, and also on all plants, but I cannot pre-pay the same. These are special low prices to publishers, and only intended for those who are using my collection and are recommending my seeds.

Orders and correspondence will receive prompt attention.

Fraternally,

A. C. NELLIS,

(Publisher of NELLIS' FLORAL INSTRUCTOR).

Canajoharie, N. Y.

REFERENCES:

Ask the following firms any questions you choose, always enclosing a stamp for reply.

Senator Webster Wagner, proprietor of the famous Wagner Drawing Room Car, Grand Central Depot, New York City. National Spraker Bank, Canajoharie, N. Y. Canajoharie National Bank, Canajoharie, N. Y. Arkell & Smiths, Manufacturers of Paper Flour Sacks, Canajoharie, N. Y. Canajoharie Mining Co., Canajoharie, N. Y.

(OVER)

TO EDITORS.

I herewith present you with the first number of my FLORAL INSTRUCTOR, 1880, for your perusal, and if you think it is worthy of the following notice, I will esteem it a favor of you, and at the same time I will endeavor to compensate you for your trouble, by sending you two dollars worth of seeds in packets. (your selection) post paid. I feel confident that after you once test the quality of my seeds, you will be willing to give me another mention.

Please select from the INSTRUCTOR, such seeds as you desire, or, if you prefer me to select, state whether you prefer Flower or Vegetable seeds, or part of both.

If possible please insert the following reading notice in your weekly edition, among the news items and send me a MARKED copy of the same, and by return mail I will send your seeds.

As our seed trade does not amount to much after the first of April, I consider it a favor to have the notice inserted as promptly as possible.

Floriculture.---Among the many guides and helps issued annually by our numerous Seedsmen and Florists, treating on this beautiful art, none is more clear, none more tastefully illustrated and gotten up, than NELLIS' FLORAL INSTRUCTOR, which we have just received. It is published quarterly at the low price of 20 cents per year, and contains a complete list of Seeds, Plants, Bulbs, &c., at greatly reduced prices, and much useful information for all interested in gardening. He sends a sample copy and a packet of choice flower seeds as a trial to any one who sends him a 3 cent stamp. His address is, A. C. NELLIS, Canajoharie, N. Y.

ED:--After testing our seeds, if you think them worthy of another mention I will appreciate the same.

MOHAWK VALLEY SEED GARDENS.---The magnitude of our seed trade in this country is immense and cannot be fully realized, until one visits some of the largest establishments. Among the most prominent is the Mohawk Valley Seed Gardens, located at Canajoharie, N. Y. These are conducted on some new principles, viz; the seeds are sold direct to the consumer, thus saving all the doubts as to their vitality and purity, which are so uncertain in seeds purchased from dealers and stores.

The proprietor, A. C. Nellis, of the above mentioned Seed gardens, informs us that as a trial, he sends a packet of choice seed and his Catalogue, to any one for a 3 cent stamp to cover postage.

SEED PREMIUMS.

With this Circular I send you my plan of a seed premium which I have been introducing to publishers for some time now. It has met with great success, so far, going way ahead of chromos, books, &c. At first I thought it would only be useful at the commencement of the year, but many publishers are now offering it in the spring say March and April, just at the time of planting. This will be a good collector of arrearsages and new subscriptions.

I have also arranged two other collections for this use as follows: No. 2--20 varieties of Flower Seeds, value \$1.00, which I sell to publishers at \$20. per 100 collections. And No. 10--20 varieties of Choice Vegetable Seeds, value \$1.00, price to publishers, \$20. per 100 collections. Less number at same rate.

For a sample I have added the following, clipped from one of the most successful papers who have been using this plan:

A SPECIAL OFFER.

Pay Up for the name of your paper.

We have concluded arrangements for a SPECIAL PREMIUM,

to be given to every subscriber to this paper who will pay up all arrearsages and one year in advance. To such we will give

ONE DOLLAR'S WORTH OF FLOWER SEEDS

consisting of ten packets of choice, fresh Flower Seeds, put up by the well known and very reliable proprietor of the Mohawk Valley Seed Gardens, Mr. A. C. Nellis, of Canajoharie, N. Y. These packets are precisely the same as those quoted in Mr. Nellis' "Floral Instructor" at 10 cents each or \$1.00 for the whole, the collection consisting of the following:

Asters, Double, Choice, mixed varieties and colors.

Balsam, Double, choice mixed colors.

Cypress Vine, mixed colors.

Helichrysmon Monstrosum, double varieties, mixed.

Lobelia, basket varieties, mixed.

Pansy, choicest varieties, mixed

Petunia, finest blotched and striped.

Portulaca, double, choicest colors mixed.

Verbena Hybrida, choice mixed colors.

Zinnia, Double, splendid colors, mixed.

This is a superb collection, being the kinds that he has found by long experience sell the best, and which cannot be obtained from any Seed Store or Seedsman for less than \$1.00, and many seedsmen, charge from 15c to 20c each packet for most of the varieties mentioned above.

The following is a good item to be placed in another part of the paper:

We have every reason to believe that the ten packages of flower seeds we are giving to our subscribers who pay to 1881, are fresh and of first quality. Mr. A. C. Nellis, the seedsman, of Canajoharie, N. Y., has a reputation equal to any body, for quality or his goods: to enable us to give the seeds to our subscribers, he furnishes them at a very low price, with the sole object of advertising his goods: certainly, none but the best of seeds would be worth anything as an advertisement. The packages are the same size as usually retailed at the stores.

I have gotten up cuts representing each variety in this list, which I offer to publishers at cost. A specimen sheet will be sent with prices to all who apply.

It is my object to have at least one paper, in each county of the Union, offer this premium, and if you wish to undertake the plan, please let me know so I can book you for the territory.

Respectfully,

A. C. NELLIS, Canajoharie, N. Y.

top; place your frame on the manure and cover with the sash. After two or three days the rank heat will have passed off, when about six inches of good rich soil, finely sifted, should be placed upon the manure, and the hot bed is completed and the seed can be sown. We use boxes filled with soil from four to six inches deep, placed on the manure. This is by far the best and quickest way, as plants can be moved easily from an old to a new bed, or for transplanting. The manure will ferment and warm the soil. The bed being covered with glass, protects from cold air, and thus both earth and air are kept at such a temperature as to aid in the germination of the seed and the growth of plants. A simple frame covered, of course with glass, placed on good soil, will help very much without manure, and this is called a Cold-Frame. Some persons use small boxes with a pane of glass on top; this not only keeps off the cold air, but prevents the drying of the soil, which destroys many seeds just after starting to grow. The ladies often start seeds in pots in the house. Those who do so should place a pane of glass on top, and it is well to place these pots in a box of moss, or something moist, to prevent the drying of the pots. A better plan is to sow the seeds directly in a box, as the earth does not dry so quickly as in small pots.

Where seeds are sown in the garden, a mellow soil should be selected, one that will not become hard on the surface after rains. If the sun is hot and the weather dry, a partial shade will keep the soil moist. Sow the seed evenly in rows, not too thickly, and transplant to the flowering beds, before the plants get too large and crowd each other. Transplant on a cloudy, moist day, if possible; if not, do so toward evening, and shade the plants during the hottest hours of the day for a day or two. Of course, there are some hardy things that are best sown where they are to flower, like the Morning Glory, Sweet Pea, Lupinus, etc.

In a hot-bed seed may be planted early in the season, before the weather is warm, in the North, in March; in a cold-frame not so early, because no bottom heat is provided; but in the open ground none but the most hardy seeds should be sown before both air and ground have become pretty warm, usually not until about the tenth of May, and even then some kind of protection is of great advantage. Much disappointment results from sowing seeds too early in the open ground, and good seeds are often blamed, when the real fault is the impatience of the planter. It is a good plan to sow only a part of a package of seeds at the first planting, then in a week or ten days the remainder. In the South, seeds of most of the Annuals and Perennials may be sown in the autumn or early winter. By this autumn planting the plants arrive at perfection and flower before the extreme hot weather of mid-summer. The pansy, that loves a cool, moist climate, flowers beautifully in the Southern winters.

Everybody, of course, will need and grow the beautiful ANNUALS and PERENNIALS, so as to have plenty of flowers, and new ones, for cutting all the summer, and a small collection will furnish bouquets in remarkable number. Be sure and have some Mignonette and Sweet Peas for fragrance, and Candytuft, because so small and neat for filling up, and for button-hole bouquets. A few GERANIUMS and EVERLASTINGS for winter ornaments will be highly prized about Christmas time. Then the GLADIOLUS is a King among the tall summer flowers, as the DAHLIA is the Queen of autumn, while the LILIES are unsurpassed by any of FLORA'S treasures.

PLANTS FOR SPECIAL PURPOSES.

PLANTS FOR BALCONIES.—Among plants most useful for balconies we suggest the following: Abutilons, Achyranthes, Begonias, Coleus, Clematis, Convolvulus, Canary-bird Vine, Dracænas, Geraniums, (double and single), German Ivy, Lobelias, Othonna, Tropæolums, and Vinca.

PLANTS FOR WINDOW BOXES.—Geraniums, Lobelias, Vinca variegata, Sweet Alyssum, Othonna, Ivy Geraniums, Convolvulus Mauritanicus, Thunbergias, Tropæolum, Maurandya, Calampelis scabra, Oxalis floribunda and German Ivies.

PLANTS FOR THE LAWN.—A great variety of plants is not needed for Lawn Beds, indeed the number of suitable plants is not large. What we require is a strong show of color like that furnished by the scarlet Geraniums, or a mass of foliage of a tropical appearance, like that supplied by the Canna, Caladium, &c., or a bed of the more delicate, variegated and ornamental foliage, for which purpose the Coleus and variegated Geranium are adapted. For the different purposes mentioned, in addition to the Annuals already named, and grown from seed, we name a few of the best.

DWARF PLANTS FOR EDGINGS OR BORDERS OF BEDS.—Alternanthera, Armeria or Thrift, and Oxalis.

WHITE LEAVED PLANTS.—Glacium, Centaurea, Cineraria maritima, Artemisia, &c.

SHOWY-COLORED FOLIAGE.—Achyranthus, Coleus and Bronze and Silver-leaf Geraniums.

TALL FOLIAGE PLANTS.—Caladium esculentum, three to four feet in height, leaves more than two feet in length. Cannas, from three to five feet in height. Ricinus (Caster Oil Bean), from six to twelve feet.

BED OF TALL FOLIAGE PLANTS.—For a bed of tall Foliage Plants I would advise something like the following: Ricinus or Cannas in the center. If the centre is Ricinus they may be surrounded with a circle of Cannas. The next circle should be Caladiums, with an outside border of Coleus or Centaureas. The Ricinus will grow from seed as easily as Corn. Good bulbs must be planted both of the Caladiums and Cannas. Young plants of the Coleus, Centaurea, &c., are grown by most florists for the purpose of bedding, and are obtained at very little cost.

SEEDS FOR SPECIAL PURPOSES.

FLOWERS FOR BRILLIANT SHOW.—These will be found in the first department of the Catalogue, and are familiar, doubtless, to most of our readers. The Aster, Antirrhinum, Balsam, Dianthus, Delphinium, Pansy, Petunia, Phlox Drummondii, Portulaca, Salpiglossis, Stock, Verbena, Double Zinnia, and other varieties that we have not space to name, should be in every collection.

FLOWERS FOR MASSES OF COLOR.—In modern gardening it is quite popular to grow entire beds of a particular color. The effect is very striking. The Phlox Drummondii is of many distinct colors, from white to purple, and so constant in bloom that it is one of the best for masses. White flowers are in great demand for cutting for weddings, and for wreathing the pale yet still beautiful forms of the loved and lost.

FOR A SUMMER HEDGE.—There are some situations when a low hedge or screen is very useful and ornamental. I don't know of anything that will make a prettier hedge, supported by neat brush, than the Sweet Pea. The Amaranthus makes a fine ornamental hedge; the foliage is dark, rich, and some varieties two or three colored; A. melanocholus ruber is the best. Delphinium cardiopetalum, always pleases me for this purpose—about eighteen inches or two feet in height. The Double Zinnia makes a good background or hedge. Almost any tall growing plant may be used for this purpose.

ORNAMENTAL LEAVED PLANTS.—Plants with ornamental leaves are becoming popular in all parts of the world. They produce a very fine effect when grown in a group of half a dozen or more together. For usefulness in this respect, I know of nothing better than the new varieties of Celosias, Canna, Ricinus, Amaranthus and Perilla Nankinensis. The seed of all these but the Canna may be sown in the open ground, and will produce a splendid effect the first season; or they may be transplanted from the hot-bed. The Canna does well started in heat, but better from roots. The Ricinus is the tallest of those named—from four to ten feet high—and should occupy the center of the group. In fact, this is the best for common use.

FLOWERS DESIRABLE FOR FRAGRANCE.—For fragrance nothing equals the Mignonette, Sweet Alyssum, Sweet Pea, Erysimum, Stocks, Pinks, Picotees and Carnations.

CLIMBING PLANTS.—These are particularly valuable for covering buildings, fences, etc., and for making beautiful what but for them would be very unsightly. For the convenience of customers, I have placed all the climbing plants in a separate department. Nothing will give more satisfaction than the Annual Climbers, when properly cared for and used in the right place.

RIBBON BEDS.—A very pretty ribbon bed is made by taking different colors of the same flower, like Phlox Drummondii, Portulaca, Stocks or Asters. With little care in studying the descriptions, and a little experience, this work will become easy and pleasant. Those who make the trial for the first time will do well to commence with the different colors of Phlox Drummondii. The Petunia does not come true to color, so nothing like a ribbon bed can be made of this flower; but it does make a most brilliant, showy, bed when the striped or mixed are used.

TO FRIENDS AND CUSTOMERS.

In presenting this Priced Catalogue, for 1880, I embrace the opportunity of thanking my numerous friends and patrons for their liberal support in the past, and hope for the continuance of the same. For the convenience of the purchaser I have arranged the different classes of flowers in DEPARTMENTS, so that with a little care in examining each department, no one will be guided wrong, but can select just the kind of seeds or plants they need for any particular purpose. The Catalogue is arranged as follows: FLORAL DEPARTMENT, which is subdivided into "Novelties in Flower Seeds," "Annuals," "Climbers," "Everlastings," "Ornamental Grasses," "Perennials," "Greenhouse Seeds," "New and Rare Plants," "General List of Plants," "Small Fruit Plants."

VEGETABLES, subdivided into "Novelties in Vegetables," "General List of Vegetable Seeds," "Grasses and Clovers," "Grain," "Miscellaneous Seeds." Following these will be given some USEFUL TABLES, and a complete INDEX of this number. If you wish to find anything by a common name, see INDEX, which will direct you to the proper page.

REDUCTION.

Almost every variety of SEEDS, PLANTS and BULBS worthy of culture, will be found in this Catalogue, these I keep on hand, and can supply them at all reasonable times. The PRICE I have reduced ONE-FOURTH to ONE-HALF this season, without reducing the QUANTITY or QUALITY of each packet. The times are such that demands a reduction in everything, and in looking over Agricultural products generally we will find a great reduction, except the retail seed trade, which is kept up at "war time" prices. The seed grower by heavy competition; has been compelled to greatly reduce his prices, and I intend to take a stand, and also reduce the retail prices, this I can do by growing my own seeds in large quantities, that seed freely in this country, and import direct from European growers, seeds that can best be grown there. In this way I am able to compete with the very lowest, QUALITY CONSIDERED. The seeds offered I GUARANTEE FRESH and TRUE to NAME. I invariably test all seeds I send out, which I am enabled to do readily, from having green houses and gardens; the benefits that must accrue by this plan both to customers and myself will be quickly perceived.

WHAT WE DO.

All Seeds Plants and Bulbs Free of Postage.—I will send Seeds Plants and Bulbs by mail, to any part of the United States, at the PRICES NAMED in the CATALOGUE, POSTAGE PAID. This arrangement enables those who live at the most distant parts of the country to obtain good Seeds, Plants and Bulbs, as cheap as those who reside in our large cities. Such persons will be no longer compelled to buy poor seeds or none, but can send their orders, with the money, and in a few days the article will arrive in good order at their Post-Office, where they can be obtained without further cost, as every package will be paid through to its destination. The only exceptions to this rule are when Grass Seed, and other heavy and bulky articles are ordered by the peck or bushel, or in cases especially noted. All Bulbs and Seeds will also be sent to other countries FREE OF UNITED STATES AND FOREIGN POSTAGE in all cases where payment is possible here.

Free by Express.—All orders over two pounds weight 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. We ask this on account of the present postal law compelling us to pay 16 cents per pound. All stage charges will be prepaid when it is possible for us to do so. This applies to Seeds and Bulbs at Catalogue rates, and not when special prices are made for large quantities, or on such by the peck or bushel, nor on miscellaneous articles, such as Brackets, Rustic Work, Pots, Implements, &c. Goods C. O. D.—Persons often order small packages sent in this way, and the Express charges sometimes amount to more than the order. We can send goods and collect the money on delivery, Free of Express charges, only when orders amount to \$10.00 and upward, and then not on long and expensive routes.

Correction of Errors.—I take the utmost care in filling orders, always striving to do a little more for my friends and patrons than justice and fair dealing require. Every order, after being filled, is carefully examined to be certain that everything ordered is sent, and no error made in filling; yet it should be remembered that the seed trade of a year has to be done in a few months, and in the rush of business, errors may occasionally occur. In such cases, I always desire to be informed of the fact, and promise to make such corrections as will be perfectly satisfactory. Customers will please keep a copy of all orders sent, so that they can see that they receive just what was ordered. Persons often forget the nature of their order, and complain without cause.

Orders Lost or Stolen.—Sometimes it happens that orders never reach us. When customers fail to receive their Seeds and Bulbs in a reasonable time, they should inform us, and at the same time send a copy of their order which can be filled at once, and save much delay, if our conditions for remitting money have been complied with.

The Safe Arrival of Packages Guaranteed.—I guarantee the safe arrival of packages of Seeds, Plants, and Bulbs in good condition in every case. If a package fails to reach a customer, I will send again as soon as informed of the fact; or if any part is injured or lost, I will replace it. My object is to supply all my customers with Seeds, Bulbs, &c., without any more expense or risk to them than if I had a store in their own town. I therefore bear all the risk and expense of shipping.

How to Send Money.—ALL MONEY MAY BE SENT AT MY RISK AND EXPENSE, if forwarded according to directions, in either manner here stated.

1st. Post-Office Money Orders made payable to me on New York city, can be obtained at many Post-Offices, (but not at all), are perfectly safe, and will cost from 10 to 25 cents. This is the best way where practical.

2d. A draft on New York, can be obtained at any Bank for about 10 cents, and this is sure to come correctly.

3d. Greenbacks 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.

4th. REGISTERED LETTERS.—When money cannot be sent by either of the first three 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, I will pay when the sum amounts to one dollar or more, and the cost may be deducted from the amount forwarded. Please do not risk large sums in the mails, because it tempts to dishonesty, besides the loss is annoying.

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

Forward Money with the Order.—In the busy season we have to fill many orders each day. To charge on our books, make out bills for customers, and mail; then, in a few days, receive the money, make the proper credit and send receipt, requires more work than we can possibly perform. Please, therefore, send money with the order, and it will so facilitate our business that your order may be promptly executed.

Don't Forget Your Name, Post-Office or State.—Those who order, will please remember to give their Names, Post-Office, County and State, as plain as possible. Please be sure the name you give is the name of your Post-Office, and not of your town, or residence, or village.

Address all communications to,

A. C. NELLIS, CANAJOHARIE, N. Y.

The lovers of flowers in a neighborhood can club together and send their orders in one letter, and thus avail themselves of the deductions on large clubs. One or two in any place, by a little exertion, can persuade many who have never before cultivated a flower, to allow a few papers to be ordered for them, and in this way we have known large clubs to be formed in most unpromising neighborhoods, and a beginning made, which in a few years, entirely changed the appearance of the whole place. Those who desire Catalogues to aid them in the formation of such clubs, will be furnished free. For the purpose of aiding our friends in this good work, and as a slight compensation for the trouble, I offer the following premiums:

Persons sending \$1 may select seeds at Catalogue prices amounting to	\$1.00
" " 2 " " " "	2.25
" " 3 " " " "	3.45
" " 4 " " " "	4.70
" " 5 " " " "	6.00
" " 10 " " " "	12.50
" " 20 " " " "	26.00

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 deduction will, of course, be made to any person ordering for himself alone. It must be understood that this discount is allowed only on FLOWER AND VEGETABLE SEEDS BY THE PACKET, and not on seeds by the OUNCE OR POUND, nor on BULBS; nor can I pay this discount in BULBS, or seeds by the pound. Otherwise it would bring the price far below cost.

In addition to these premiums I will forward my "FLORAL INSTRUCTOR" for one year. In forwarding clubs, it is, therefore, necessary to give the names of the persons of which it is composed, with their Post Offices, so that I may be enabled to forward them the "INSTRUCTOR."

"COLLECTIONS."

My prices are so very low that each customer can select just what he wants out of our Catalogue, at retail prices and then get them far below "Collections" in most other catalogues.

Floral Department.

NOVELTIES IN FLOWER SEEDS, FOR 1880.

AQUILEGIA (Columbine).

The peculiar formation of the flowers of this class, so odd, and almost unlike anything else to be found in plant life renders them desirable on this account alone. They are exceedingly showy, and rank among the best plants for early summer blooming. Hardy Perennials.

Aquilegia, Californica hybrida. A striking novelty of last year. Flowers large; the centre petals are golden yellow, and form a marked contrast to the deep orange red of its sepals and spurs.

Cœrulea Hybrida Another fine sort introduced last season. The centre petals are yellow while the spurs and sepals are a beautiful porcelain blue.

As both of these hybrids are perfectly hardy, they will be an important addition to the old, but pretty genus of Columbine.

Truncata. This is a new and magnificent sort, which will become very popular wherever introduced. It is a strong grower, attaining a height of two feet. It flowers later than most of the Aquilegias, and is of a clear orange-scarlet throughout the spurs are long and curved.

BEGONIA.

In the greenhouse or parlor in winter, the graceful pendulous flowers of this beautiful class, renders them most desirable, but with added beauty in their glossy waxen foliage, they are simply superb. They are equally adapted, too, for summer planting.

Begonia boliviensis superba. This is one of the best tuberous-rooted varieties; standing the sun well; very fine bedding sort, flowers, a bright scarlet and very large.

Pearcei. This possesses the quality so seldom found in the same plant, of having both beautifully colored leaves and large showy flowers. Yellow.

Ne Plus Ultra. Flowers bell-shaped, of immense size, and of a light, dazzling scarlet.

Sedeni. A splendid hybrid variety, having rich magenta colored flowers.

Veitchi. A splendid novelty, with thick fleshy leaves, and large orange-scarlet flowers. This species is hardy in sheltered and dry situations, and will form a most novel addition to rock-work plants.

Hybrida. Choice mixed, from the finest varieties.

Double Tuberous-rooted. Finest varieties mixed. These are very scarce and I offer them this year for the first, in this country.

Roezlii. This rare novelty is offered by me for the first time in this country, it was first sent out by Mr. Roezl in Mexico. The leaves are alternate, dark green, succulent, to inches long by 6 inches wide, and the under surface of reddish color. The flowers are produced in beautiful umbels, of large size, composed of deep red flowers. In the house this variety blooms without intermission until March. The flowers are very useful in the formation of bouquets.

BROWALLIA Roezlii.

This new variety was only offered to the public, a few years ago, and it has proved so much superior to the old sorts, that I offer it now for the first time.

The flowers are of double the size of the old sorts. It will soon supersede all the old kinds.

Mixed blue and white, 30

CANDYTUFT, New Carmine.

This splendid novelty is of dwarf, compact habit, and when in flower, presents a mass of vivid carmine blooms of great beauty.

CARNATION, New Grenadin.

A new variety that we are sure will prove of great value, and eventually become a standard sort. Coming perfectly true from seed, it blooms much earlier than any other variety, and produces in the greatest abundance, perfectly double flowers, of good size, and of the most vivid scarlet hue. The habit of the plant is dwarf and compact. Very useful for Florists.

CYCLAMEN Persicum Giganteum.

This variety is a great improvement over the old sorts; each flower measures from 2 to 2 1/2 inches in length, pure white, with purple eye.

DELPHINIUM Cashmerianum.

In this new variety of Larkspur, flowers nearly equal in size to the well known D. Formosum, are produced on stems not exceeding 15 inches in height. The flowers are fully an inch in diameter, and are usually of a light blue purple, but vary in shade to mauve or dark blue, and are produced in corymbs of six or more. The plant is a native of the Himalaya mountains, where it is found at an elevation of 12,000 feet.

GODETIA, Lady Albemarle.

A hardy plant, growing about one foot in height. The flowers are large, frequently measuring from three and a half to four inches across, and are of an intense carmine crimson shade; the edges of the petals being slightly suffused with pale lilac. It blooms very profusely, and remains for a long time covered with blossoms.

GYNERIUM Argentum Variegatum.

This is a variegated variety of the well known Pampas Grass, the leaves are striped with white, making it a most attractive plant for clumps, etc.; the plumes are very fine also.

HELIANTHUS Peruvianus.

This new variety of Sunflower is very fine for a background, or clumps, it grows in a compact, pyramidal form; the flowers are very double, tigered with black.

LOBELIA Queen Victoria.

Splendid large flowering variety, with dark leaves. Plants are perfectly hardy. The plant grows usually 4 feet high.

LYCHNIS Sieboldii.

This is a superb variety of Lychnis, it grows to a large size, and gives an abundance of white flowers.

MATRICARIA Exima, Fl. Pl., Var. Crispa.

A fine double white Feverfew, with foliage curled like the finest double curled Parsley. The effect is said to be very fine.

MYOSOTIS Dissitiflora.

Dark blue, very fine spring-flowering variety, with large blossoms, quite distinct from any other. Considered the best for bedding.

PETUNIAS.

New Large-Flowering Single and Double.

It is almost impossible to believe, without having seen, the wonderful advance that has been made during the past three years in these new classes of Petunias, both in the double and single varieties. The flowers, besides being nearly twice the size of the ordinary sorts, embrace nearly every imaginable shade of carmine, violet, rose, crimson, white and purple, as well as being blotched and mottled in all manner of ways. We offer below of—

NEW SINGLE SPECIES.

<i>Petunia hybrida grandiflora alba</i> , large flowering, white,	25
<i>grandiflora Kermesina</i> , crimson with white throat, very beautiful,	25
<i>grandiflora maculata</i> , spotted, violet and purple,	25
<i>grandiflora marginata maculata</i> , green edged, and blotched,	25
<i>grandiflora purpurea</i> , fine, deep purple,	25
<i>grandiflora fimbriata</i> , beautifully fringed, all shades,	25

NEW DOUBLE SPECIES.

<i>Petunia hybrida grandiflora flore pleno marginata</i> , green edged, double large flowering variety, all shades of colors; a superb strain,	50
<i>grandiflora fimbriata flore pleno</i> , double fringed, large-flowering, all shades, extra fine strain,	50
<i>grandiflora flore pleno</i> , new, large-flowering double, from best show flowers, mixed,	50

New Dwarf Inimitable.

This is the smallest flowering Petunia in existence, being very dwarf. It forms a compact plant from 5 to 8 inches high, by as much in diameter, and thickly covered with bright cherry-red flowers, each of which contains white spots. From its dwarf habit it will make a valuable market sort, 15

MESEMBRYANTHEMUM CORDIFOLIUM
VARIEGATUM.

Valuable for baskets or vases, as its succulent character enables it to stand our hot and dry weather. This plant is considered one of the finest for front ribbon-lines, and is used in immense quantities in "Battersea Park" and other public grounds about London, 25

NEMOPHILA AURITA.

This beautiful plant climbs, on any shrubby support, by means of hooks on its stems, and bears an immense number of dark violet flowers an inch and a half in diameter. A single plant often covering an area of 20 feet in diameter. This novelty I offer for the first time, and predict a great popularity for it, 20

TORENIA.

The Torenia's are among our prettiest summer plants for vases or hanging-baskets, and the following varieties, although not altogether new, are so distinct and pleasing as to be well worthy of special mention.

<i>Torenia Fournieri</i> , the flower is sky-blue, dotted with three dark blue spots, has a bright yellow throat, and is an exceedingly free bloomer,	20
<i>Bailloni</i> , a new free-flowering sort, bearing golden-yellow flowers that have a brownish red throat. Entirely distinct from any of the other known sorts,	40

ZINNIA Haageana Flore Pleno.

A beautiful novelty. The flowers are of a deep orange color, keeping its color when dried, thus rendering it an acquisition for bouquet making. It is also a good bedding plant, blooming continually till frost sets in, 15

ANNUALS

In this Department, under the head of ANNUALS, we have described not only the true Annuals, that is, those flowers that bud, blossom and ripen their seed the first summer, and then die, but some PERENNIALS that flower the first season, and then live on for a year or two, like the Pansy, Dianthus, and Antirrhinum. This class of plants, from their nature, are valuable treasures to both the amateur and professional gardener. The CLIMBERS, EVERLASTINGS and ORNAMENTAL GRASSES, are also ANNUALS, arriving at maturity and flowering the first summer if seed is sown in the spring.

ABRONIA.

Handsome trailing plants with prostrate branches, several feet in length. The plants and flowers are very much like the Verbena. Start under glass, and treat as half-hardy annuals. *Abronia umbellata*, rosy lilac, sandy soil 10

ADONIS.

The Adonis has very pretty leaves. The flowers are very brilliant but not numerous. Rather a pretty plant for a retired corner, as it will flourish almost anywhere. It will grow well in the shade and under trees; hardy; one foot apart.

Adonis vernalis, Summer, scarlet, 1 foot, . . . 5
autumnalis, Autumn, blood red, 1 foot, . . . 5

AGERATUM.

A fine half-hardy annual for growing in masses or as single plants; the flowers are produced in clusters and are desirable for bouquet making. It is well to start the seeds under glass; grows well in any soil, and in pots for winter flowering.

Ageratum conspicuum, blue, 18 inches, . . . 5

Ageratum Mexicanum albiflorum, white, 1 foot, . . . 5
Mexicanum, blue; 1 foot, . . . 5
Lasseauxii, dwarf, compact, pink, . . . 10
coelestinum (*Phalacraea*) Tom Thumb, light blue, compact habit, 8 inches, . . . 5

AGROSTEMMA.

Hardy annual, free blooming, and are useful for cutting. The flowers are something like single Pinks, and are borne on slender stems; 12 inches.

Agrostemma, New Scarlet, bright, . . . 5
Oculata, pink, crimson eye, . . . 5
coronaria alba, white, . . . 5

ALONSOA.

Half-hardy annuals. Plants removed to the house or green-house in the autumn will continue to flower during the winter. The flowers are small, but of remarkably brilliant color.

Alonsoa Warczewiczii, flowers small, scarlet, 18 inches high, . . . 5
grandiflora, large flowered, scarlet, 2 feet, . . . 5

ALYSSUM.

Pretty little white flowers, useful in making up all kinds of small bouquets. Its fragrance is very delicate, similar to new mown hay, 6 inches high.

Alyssum Sweet, hardy annual, . . . 5
Wierczbeckii, hardy perennial, yellow, . . . 5

AMARANTHUS.

The *Amaranthus* embraces a large class of plants, and some of them so diversified in character, that to the casual observer, they hardly seem to belong to the same family. Are mainly valuable for their ornamental foliage, the leaves of most varieties being highly colored; half-hardy.

Amaranthus salicifolius, a beautiful pyramidal plant, long narrow leaves, 2 feet, . . . 5
bicolor, crimson and green foliage, 2 feet, . . . 5
tricolor, red yellow and green foliage, 2 feet, . . . 5
melancholicus ruber, compact habit, striking blood-red foliage, 18 inches, . . . 5
caudatus (*Love Lies Bleeding*), long drooping "chains" of flowers, . . . 5
cruentus, (*Prince's Feather*), flowers similar to *A. caudatus*, but in erect masses, . . . 5
Mixed varieties, . . . 5

ANAGALLIS.

This genus is useful for small beds, edgings, rockwork and baskets. Half-hardy annual; six inches tall.

Anagallis grandiflora, mixed, 5

ANTIRRHINUM.

The Antirrhinum, better known as Snapdragon, is one of the very best of our Perennials, and always gives a good account of itself the first season, blooming abundantly the first summer until frost. Sow in open ground, early.

Antirrhinum: Brilliant, scarlet and yellow, . . . 5
Antirrhinum Galathea, crimson, throat white, . . . 5
Tom Thumb, mixed colors, 6 inches high, . . . 5
White-flowered, white, not showy, but good, . . . 5
Best and brightest varieties mixed, . . . 5

ARGEMONE.

A free blooming hardy annual, with large flowers, resembling a single Poppy. The leaves are armed with slender prickles, and much resemble Thistle leaves. Known as the Prickly Poppy.

Argemone grandiflora, white petals, yellow stamens, 4 inches in diameter, . . . 5
Hunnemannii, carmine and yellow, . . . 5

ASPERULA.

Profuse blooming hardy little annual, of dwarf habit, one foot high, and bearing many clusters of small, lavender, sweet-scented flowers. For small bouquets, it is all that can be desired. Introduced for culture, only a few years since; 6 inches tall.

Asperula azurea setosa, . . . 5

ASTER.

The Aster now is a general favorite, and its popularity is on the increase. Give it a deep rich soil, and mulching with coarse manure is very beneficial. Plants may be grown in the hot-bed, cold-frame, or a seed-bed in the garden. The aster transplants easily. Twelve inches apart is the proper distance, for making a showy bed of the large varieties, and the

Dwarf kinds may be planted so that they touch. In this way they make elegant borders. Our engravings show the habits of both the Tall and the most Dwarf Asters.

Aster, Truffaut's Pæony-flowered Perfection, large, beautiful flowers, petals long; a little reflexed; 2 feet in height; mixed colors, . . . 10
Collection of 12 separate colors, \$1.00; each color, . . . 10

Imbrique Pompon, very perfect; almost a globe, and beautifully imbricated; mixed colors
Collection of 12 separate colors, \$1.00; each color, . . . 10

New Rose, 2 feet in height; robust; large flowers, petals finely imbricated and of great substance; one of the very best; mixed colors, . . . 10
Collection of 8 separate colors 60 cents; each color, . . . 10

La Superbe, large flowers, 4 inches in diameter, 2 feet in height; three colors mixed, . . . 10

New Chrysanthemum-flowered Dwarf, a desirable class, one foot in height; late, and valuable on this account, as well as for its great beauty; mixed colors, . . . 10
Collection of 12 separate colors \$1.00; each color, . . . 10

New Pæony-flowered Globe, the earliest of the Asters—two weeks earlier than Truffaut's Pæony-flowered; flowers very large; plant branching and strong; mixed colors, . . . 10
Collection of 6 separate colors, 50 cents; each color, . . . 10

Cocardeau, or New Crown, two-colored flowers, the central petals being of pure white, sometimes small and quilled, surrounded with large, flat petals of a bright color, as crimson, violet, scarlet, etc.; 18 inches; mixed colors, . . . 10
Collection of 6 different colors, 50 cents; each color, . . . 10

New Victoria, flowers large; habit pyramidal; 2 feet high; one of the finest; flowers freely; mixed colors, . . . 10
Collection of 6 different colors, 50 cents; each color, . . . 10

Washington, the largest Aster I have ever known; I have grown them 5 inches in diameter and perfect; mixed colors, . . . 10

Dwarf Pyramidal Bouquet, abundance of flowers, very early, mixed colors, . . . 10
Collection of 12 different colors, \$1.00; each color, . . . 10

Hedge-Hog or Needle, petals long, quilled, and sharply pointed; very curious; two feet; mixed colors, . . . 10
Collection of 6 different colors, 50 cents; each color, . . . 10

German Quilled, free growers, 18 inches high; mixed colors, . . . 10

Aster, Collection of 10 separate colors, 75 cents; each color, . . . 10
Mixed varieties and colors of the above, . . . 10
Collection of 75 packets of the foregoing best varieties and colors, \$5.00.

BALSAM.

Balsams, like the Aster, is one of the most beautiful and popular of our annuals. Our climate is wonderfully adapted to the growth of the Balsam, and with good, rich soil, and decent care, flowers

of great excellence are produced. Sow under glass in heat, set 12 by 18 inches apart.

Balsam, Camellia-flowered, double, perfect in form; mixed colors, . . . 10
Collection of 6 separate colors, 50c; each color 10
Extra Double Dwarf, very double; 6 inches, mixed colors, . . . 10
Collection of 10 separate colors, 75 cents; each color, . . . 10
Rose-flowered, double, mixed, . . . 10
Collection of 10 separate colors, 75 cents; each color, . . . 10
Carnation, double, striped, mixed colors, . . . 10
Collection of 6 separate colors, 50c; each color, 10
Solferino, white, striped and spotted with red, 10
Double White, very fine, . . . 10
Flesh Color, very double, . . . 10
Mixed varieties and colors of the above sorts, 10

BARTONIA.

Very showy, half hardy annual. The flowers are a bright, metallic yellow. It likes considerable moisture, and suffers in a drouth.

Bartonia aurea, plant prostrate in habit, . . . 5

BRACHYCOME.

Daisy-like flower. Sometimes called Swan River Daisy, 8 inches high; abundance of flowers.

Brachycome iberidifolia, blue and white, . . . 5

BROWALLIA.

An excellent, free flowering, half hardy annual. Seeds grow freely and plants give abundance of bloom 18 inches high; set a foot apart

Browallia Cerviakovski, blue, . . . 5
elata alba, white, . . . 5
Roehlii, (See Novelties) . . . 50

CACALIA.

Pretty half-hardy annuals with small tassel-like flowers, often called Flora's Paint Brush; 18 inches. Flowers borne in clusters on slender stalks. For early flowering sow under glass. Free bloom.

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

CALANDRINIA.

Plants more or less prostrate, with succulent stems and fleshy leaves. Best sown under glass.

- Calandrinia grandiflora*, reddish lilac; 1 foot, . . . 5
speciosa, purple, 4 inches, . . . 5
speciosa alba, white, very free bloomer, . . . 5
umbellata, rosy purple, perennial, but flowering the first season, . . . 5

CALENDULA.

An old and well known Marigold, which every one knows, but may not recognize by this name.

- Calendula officinalis* Le Proust, double nankeen, edged with brown, . . . 5

CALLIOPSIS.

A very useful and brilliant class of hardy annuals. The plants are usually 2 or 3 feet in height, of slender habit and vigorous growth. The flowers are of every shade of yellow, orange and rich reddish brown.

- Calliopsis coronata*, yellow disc, encircled with crimson spots, . . . 5
Calliopsis tinctoria, quilled, very singular, . . . 5
Mixed colors of every shade, . . . 5

CALLIRHOE.

A species of Mallow-like plants, with large, purple flowers. Height of about two feet. Sow where to remain in a warm situation.

- Callirhoe pedata*, crimson, white edge, . . . 10

CAMPANULA.

Hardy free-blooming annual, good for massing; sometimes known as Venus Looking Glass.

- Campanula speculum*, mixed colors, . . . 5
Lorei, blue and white, . . . 5

CANDYTUFT.

An old, hardy annual. Sow seed where plants are to bloom, either in the Fall or early Spring.

- Candytuft*, Purple, . . . 5
Candytuft, White, . . . 5
Rocket, pure white, in long spikes, . . . 5
Lilac, bluish-lilac, . . . 5
Sweet-scented, pure white; slightly fragrant, . . . 5
Rose, rosy lilac, . . . 5
Dunnett's Extra Dark Crimson, . . . 5
New Carmine, true to color, (See Novelties), . . . 20
All the above colors mixed, . . . 5

CANNA.

Stately plants, with broad, green, highly ornamental leaves. 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. Sow under glass; in autumn take up the roots, keep in sand, and plant next spring.

- Canna Selowii*, scarlet, profuse blooming, . . . 10
Canna Nepalensis grandiflora, yellow, . . . 10
Marechal vaillant, orange, . . . 10
Musæfolia Hybrida, red foliage resembling a small banana, . . . 10

- Canna, Zebrina*, scarlet, striped foliage, 4 feet, . . . 10
Warczewiczii, red, foliage striped, 3 feet, . . . 10
Mixed varieties, . . . 10

CASSIA.

Cassia chamaecrista is a good annual, with pretty, light green foliage, like the Sensitive Plant, and plenty of bright, golden yellow flowers. It is of dwarf, compact habit, about 18 inches in height, has the appearance of a little hard-wooded shrub, and makes a very pretty border. It is a native of this country, and worthy of culture.

- Cassia chamaecrista*, hardy, . . . 5

CATCHFLY.

Pretty little annual for masses or ribbon beds. Perfectly hardy if sown late. Set 6 inches apart.

- Catchfly* . . . 5
Silene . . . 5
Armeria, white . . . 5
and rose, either separate or mixed, . . . 5

CELOSIA CRISTATA.

Celosia is commonly known as Coxcomb. Seed can now be obtained, that with good culture, in a rich soil,

will give heads from six inches to a foot across. *Celosia Japonica* far excels every variety in brilliancy and beauty.

- Celosia Cristata*, dwarf, crimson, rose, yellow, each, . . . 10
Tall Rose, crimson, each, . . . 10
Japonica, the best of all, has variegated leaves and bright scarlet comb, . . . 10
Dwarf varieties mixed, . . . 5
Tall varieties mixed, . . . 5
Pyramidalis Aurea, golden yellow plumes, . . . 10
Pyramidalis coccinea, rich carmine plumes, . . . 10

CENTAUREA.

The Centaureas are a very large family, are perfectly hardy, and some of the best varieties are really fine. Among the best are: C. Americana.

- Centaurea Cyanus*, known as Bachelor's Button and Corn Bottle, various colors mixed, . . . 5
Centaurea Sweet Sultan, mixed colors, . . . 5
Americana alba, clear white, very large; new, . . . 5
Americana, white, lilac and purple, mixed, . . . 5
All above kinds mixed, . . . 5

CENTRANTHUS.

The *Centranthus* has a light green, hollow, almost transparent stem, delicate branches, with light glaucous leaves. Sow in open ground, not too early for good results.

Centranthus, mixed varieties, 5

CERINTHE.

The blossoms of these showy annuals secrete honey largely, which makes them much resorted to by bees. Known as Honeywort.

Cerinte aspera, golden yellow; one foot, . . . 5
gymnandra, yellow and brown, one foot, . . . 5

CHAMÆPEUCE.

A very singular and rather elegant Thistle-like plant, with variegated, sharp spined leaves. It is a perennial living some years.

Chamæpeuce diacantha, hardy, yellow, . . . 10
Cassabonæ, Fish-bone Thistle, 10

CLARKIA.

The *Clarkia* suffers with us in hot, dry weather. Seeds sown in autumn gives early spring flowers.

Clarkia, double varieties mixed, 5
 Single varieties mixed, 5

CLEOME.

Half-hardy annual; singular flowers, the stamens looking like Spider's legs; set about two feet apart.

Cleome speciosissima, rosy, 5

COLLINSIA.

A very pretty, free blooming, hardy annual.

Collinsia multicolor marmorata, marbled white and rose, 5
 bicolor, purple and white, 5

CONVOLVULUS MINOR.

Of trailing habit; flowers are two-thirds the size of the Morning Glory, and close in the afternoon.

Convolvulus subcæruleus, light blue, 5
 Striped, fine, 5
 White, very pretty for contrast, 5
 Best varieties mixed, . . . 5

CREPIS.

The *Crepis* are pretty, hardy annuals. There are several varieties—yellow, pink, purple and white, about one foot in height, and bearing delicate, pretty flowers. Plants should be set about eight or ten inches apart.

Crepis, all the best varieties mixed, 5

DATURA.

Large, strong-growing plant, with trumpet shaped flowers; the best, bearing flowers six inches in length. Preserve roots in cellar like Dahlias. Plants 3 feet in height; set plants 3 feet apart; start plants under glass.

Datura Wrightii, white, sweet-scented, 10
fastuosa alba plena, double white, 10
fastuosa Huberiana, flowers large and double, inside white, outside generally colored, 10

DELPHINIUM.

Generally known as Larkspur. They prefer a cool soil and season. Sow seed in the autumn, or very early in spring; 2 feet high; set one foot apart.

Delphinium Dwarf Rocket, double mixed, 5
 Tall Rocket, very showy double mixed, 5
 Emperor Larkspur, fine mixed, double, 5
Delphinium Bismarck, red striped, very excellent, 5
cardiopetalum, makes a good hedge, 18 inches, . . . 5

DIANTHUS.

A magnificent genus, embracing some of the most popular flowers in cultivation. *D. Chinensis*, and varieties, are known as Indian Pinks—perhaps one of the most useful class of plants existing. *D. Heddewigii* and *Diademata* are splendid sorts, with flowers averaging three inches in diameter, and of the most brilliant colors.

Dianthus Chinensis, double varieties, mixed, . . . 5
imperialis, (Double Imperial Pink,) mixed, . . . 5
imperialis, flore-albo, double, white, 5
Diadem Pink, brilliant markings, 10
hybridus, mixed colors, 10
 Mixed seed of best varieties, 5

DIDISCUS.

Half-hardy annual, about 2 feet high, with numerous umbels of flowers. Sow under glass.

Didiscus cæruleus, sky blue, 10

DOUBLE DAISY.

Every one knows the Daisy. Give it a cool, partially shaded place. Sow seed very early. The flowers are abundant in early spring, and may be made to flower later by use of water. Plants can be removed safely even while in flower. Plants should be about six inches apart.

Bellis perennis, best German seed, 10
alba flore pleno, pure white and very double, coming true from seed, 20

ESCHSCHOLTZIA.

The *Eschscholtzia* plants are from six inches to a foot in height. Leaves finely cut, and of a glaucous green color. Seed may be sown in the garden.

Eschscholtzia Californica, bright yellow, 5

- Californica alba*, white, 5
rosea, a new variety; face of petals light pink,
 and the back darker, 5
croccea dentata aurantiaca, a curious variety;
 each petal has its edge lapped over on itself; 5
 All varieties mixed, 5

ERYSIMUM.

Showy, free-flowering, handsome, hardy annuals; very effective in beds or mixed borders. About 18 inches high, with clusters of orange fragrant flowers, resembling single Wall-flower.

- Erysimum Perowskianum*, deep orange flowers, 5
Arkansanum, sulphur yellow, 5

EUPHORBIA.

Two feet in height; the leaves are light green and white margined; half-hardy; edges of leaves snowy white.

- Euphorbia Marginata*, very ornamental, 5

EUTOCA.

Do best in warm, sandy soil, giving more flowers than in rich, strong soil; desirable for cutting.

- Eutoca viscidula*, dark blue, pretty, 5
Wrangeliana, lilac, 6 inches, 5

FENZLIA.

Fenzlia dianthiflora is a neat little plant, bearing a perfect mass of small flowers. Both plant and flower are miniature in size. The flowers are rosy-tinted with yellow throat. Best for pot and basket culture.

- Fenzlia dianthiflora*, 20

GAILLARDIA.

Known by the common name of Blanket Flower, are good bedding annuals being strong, constant bloomers through the whole summer. Set plants eighteen inches apart

- Gaillardia Josephus*, red and orange, 5
albo-marginata, red with white border, 5

GILIA.

Free-flowering hardy annuals, 6 to 10 inches in height, with clusters of small, delicate flowers. Seed should be sown in open ground.

- Gilia*, all varieties mixed, 5

GLAUCIUM.

The leaves are silvery white, something like the old "Dusty Miller." Fine foredgings, vases, ribbon-beds. Sow early in spring in heat.

- Glaucium corniculatum*, 10

GODETIA.

Well worthy of general culture; their delicate tints of purple and pink, have made them very popular in

England, although natives of America. They are hardy annuals.

- Godetia*, Lady Albemarle, (See Novelty), 20
 All varieties mixed, 5

HELIANTHUS.

Well known old Sunflower; coarse tall plants, from four to eight feet in height; bright yellow.

- Helianthus Californicus grandiflorus*, flowers large and double; orange, 5 feet, 5
Globosus fistulosus, double, 5
 Double Green-centered, a large flower with green center when young; when old, perfectly double flower; 5 to 8 feet in height, 5
Peruvianus, (See Novelty), 25
 New Mammoth Russian, large, single, 5
 Common Single, 5

HIBISCUS.

Hardy annual; good to mix in with shrubbery; cream color with brown centre.

- Hibiscus Africanus*, 5

HUNNEMANNIA.

At the North, should be treated as an annual; makes rapid growth, and flowers the first year.

- Hunnemannia fumariefolia*, yellow, 10

KAULFUSSIA.

Free flowering, hardy annual, with the appearance of a single Aster; 6 inches high.

- Kaulfussia*, best mixed colors, 5

LAVATERA.

Hardy, tall-growing, showy plants, very effective when used as a back ground to other plants.

- Lavatera Trimestris*, rose and pink striped, 5
alba, white, 5

LEPTOSIPHON.

Pretty, hardy annuals; do not bear our hot, dry summer; sow late in autumn or early in spring.

- Leptosiphon*, mixed varieties, 4 inches high, 5

LIMNANTHES.

A dwarf-growing, hardy plant, attaining a height of about six inches, and developing best in a moist, shady situation.

- Limnanthes Douglasii*, yellow and white, fragrant, 5

LINUM.

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. Seed germinate best in light soil or hot-bed; set a foot apart.

- Linum grandiflorum rubrum*, 5

LINARIA.

A hardy plant, particularly adapted for rock-work or ribbon lines.

- Linaria bipartita alba*, white; six inches, 5
splendida, deep purple, 5

LOBELIA.

Some of the Lobelias are hardy perennials, like the Cardinal flower. Annual varieties are mostly of a trailing habit, bearing numbers of small flowers, fine for

baskets, vases, etc.

- Lobelia cardinalis*, our native Cardinal flower, spikes of brilliant scarlet flowers, blooms first year if started with heat, 10

- Lobelia, Queen Victoria**, splendid large scarlet flowers, dark leaves, (See *Novelties*), 25
hybrida grandiflora, large, dark blue flower, with white eye, 10
Crystal Palace, dark blue, splendid, 10
gracilis, light blue, spreading habit, 10
gracilis rosea, rose-colored, new, 10
ramosa, branching, large, dark-blue flowers, 10
Erinus compacta, deep, rich blue, 10
Erinus alba, white, 10
Paxtoniana, pure white belted, sky blue, a splendid bedding sort, 10
 Mixed varieties for baskets, etc., 10

LUPINUS.

- A well known genus, commonly called Sun Dials. Hardy; sow where plants are to grow. The flowers are Pea-formed, in long spikes; the leaves compound.
Lupinus affinis, blue and white, 1 foot, 5
Lupinus Cruikshankii, blue, white and yellow, 3 feet, 5
hybridus atrococcineus, bright crimson scarlet, white tip; spikes large, 5
hybridus superbus, purple, lilac, yellow, 5
 Mixed varieties, 5

LYCHNIS.

- To obtain good flowers of the *Lychnis* the first summer, seeds should be started under glass and transplanted as early as the weather will permit. The flowers are of a great variety of colors. Hardy perennials.
Lychnis Chalcedonica, bright scarlet, fine appearance when grown in masses, 5
Chalcedonica carnea, flesh-color, 2 feet, 5
Chalcedonica flore-albo, white, 2 feet, 5
Haageana hybrida, large, mixed colors, 5
grandiflora gigantea, flowers large, mixed colors, 10
fulgens, very brilliant scarlet, 15
Sieboldii, (See *Novelties*), 15

MALOPE.

- Hardy annual; strong growing plant; 2 feet high.
Malope grandiflora, large, purple flowers, 5
grandiflora alba, pure white flowers, 5

MARIGOLD.

- The French and African Marigolds are among the most beautiful of our annuals, their rich and varied colors, and bright foliage, producing a splendid effect in almost any situation. The African is the tallest and most striking in large beds; while the French varieties are admirably adapted for small beds, or as a foreground to taller plants.
Marigold, African, all varieties mixed, 5
French, tall varieties mixed, 5
 Dwarf varieties mixed, 5

MEDICAGO.

- *Medicagos* are more or less cultivated for their curious seed vessels. The Snail and Hedge-hog are the best.
Medicago, Snail, clover-like plant, with small yellow flowers, 5
Hedge-hog, like above, except seed-pod, 5

MARTYNIA.

- Robust, hardy annual; must be set 3 feet apart.
Martynia, best varieties mixed, 5

MATRICARIA—Feverfew.

- Matricaria Eximia fl. pl. var. Crispa.** (See *Novelties*), 25

MESEMBRYANTHEMUM.

- Half-hardy annual, known as Ice Plant and Dew Plant; adapted to basket and vase work. Dwarf-growing plants of great beauty, well suited for edgings and covering rock-work, producing their star-like flowers in great abundance the whole summer.
Mesembryanthemum crystallinum, (Ice Plant), 5
tricolor, (Dew Plant), pink, 5
Mesembryanthemum glabrum, light yellow, 5
cordifolium variegatum, (See *Novelties*), 25

MIGNONETTE.

- Seed 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 the button-hole and perfume the house at all times.
Reseda odorata (Sweet *Mignonette*), a well-known fragrant, little, hardy annual, per oz. 15 cents, 5
grandiflora, large, reddish, per oz. 20 cents, 5
ameliorata, a robust *Mignonette*, flowers large new, very fine, per oz. 25 cents, 5
Gigantea pyramidalis, true, 10
Parson's New White, a robust *Mignonette*; flowers large and showy; per oz. 70 cents, 5

MIMULUS.

- Known as Monkey Flowers, are beautiful, tender looking plants, fine for baskets and vases.
Mimulus hybridus tigrinus, as beautifully spotted as the finest *Calceolarias*, 10
hybridus tigrinus duplex, a double *Mimulus* with the most durable flowers, very fine, 20
cardinalis, fine scarlet, 10
moschatu (*Musk Plant*), yellow flowers, 10
quinquevulneru maximu, from best named varieties, 10

MIRABILIS.

- The *Mirabilis* grows two feet in height, well branched, bright foliage, fragrant flowers, and desirable colors. Makes a nice summer hedge if set a foot apart. Seed should be planted in the open ground where the plants are to remain. Known as Four O'clock.

Mirabilis Jalapa, (Marvel of Peru,) mixed colors, 10
foliis-variegatis, leaves light green, faintly marbled, 10
longiflora, white, sweet-scented; flower tube 3 or 4 inches long, 10
longiflora violacea, same as above, but violet color, 10

MOLUCCA BALM.

Is commonly known as the Shell Flower. It is a strong annual, two to three feet in height, having but few leaves. The flowers are pinkish, surrounded by a large shell-like calyx. It is a curious plant, and attracts much attention.

Molucca Balm, or Shell Flower, 10

MYOSOTIS.

Perennial plants, flowering the first season if sown early, small white and blue flowers, commonly known as Forget-me-not.

Myosotis alpestris, blue; 6 inches, 10
alpestris alba, white, 6 inches, 10
alpestris rosea, rose, 6 inches, 10
Azorica var. *cœlestina*, flowers sky-blue and produced in great profusion, 15
palustris, (Forget-me-not,) white and blue, 10
dissitiflora, (See Novelties,) 20

NEMESIA.

Exceedingly pretty, compact-growing, half-hardy annuals, blooming so freely as to entirely hide the foliage.

Nemesia Floribundi, white and yellow, fragrant, 5

NEMOPHILA.

Are very pretty, delicate, hardy annuals. The flowers are mainly blue and white. They do best when 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, shady place. Set about 6 inches apart. A few seeds scattered among spring-flowering bulbs in autumn will give a good account of themselves in early spring.

Nemophila insignis, beautiful light blue, 5
insignis alba, white, 5
insignis marmorata, blue, edged with white, 5
Nemophila maculata, large, white, blotched with violet, 5
atomaria, white, spotted, 5
discoidalis elegans, rich, velvety maroon, bordered with white, 5
The above, mixed, 5

NIGELLA.

Seeds grow readily in open ground; finely cut leaves and curious, showy flowers; hardy annual. Commonly known as "Love in a mist."

Nigella Damascena, light blue, double, 5
Hispanica, large-flowered, 8 inches, 5
Damascena nana, dwarf; mixed colors, 5
Fontanesiana, blooms early, 5

NIEREMBERGIA

The Nierembergias have whitish flowers, tinted with lilac, with a deep purplish lilac blotch in the centre. Tender perennials, suitable for house culture. For baskets, vases, etc., we cannot recommend it too highly. Plant slender and delicate, with abundance of flowers.

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

NOLANA.

Trailing hardy annual; prefer a hot, dry soil; excellent for rock work, vases, etc.

Nolana atriplicifolia, blue, white, yellow, 5
grandiflora, large, various colors, 5

OBELISCARIA.

Coarse plants, with showy flowers, which are borne on long stems; plants 18 inches high; hardy.

Obeliscaria pulcherrima, 5

ENOTHERA.

Fine half-hardy annual; flowers open suddenly late in the day; attracting much attention.

Enothera Veitchii, spotted; 1 foot high, 5
Lamarckiana grandiflora, yellow, 4 inches in diameter; plant 4 feet high, 5

OXYURA.

Very pretty, little, hardy annual; neat habit; branching; 18 inches high, flower Daisy-like.

Oxyura chrysanthemoides, lemon, edged with white, 5

PALAFOXIA.

Half-hardy annual, rosy crimson, center dark.

Palafoxia Hookeriana, 5

PANSY.

Pansy seed may be sown in the hot-bed or open ground; if sown in the spring, get it in as early as possible, so as to have plants in blossom during the early rains. Seed sown in a cool place in June or July, and well watered until up, will produce fall-flowering plants. To have good flowers, the plant must be vigorous, and make a rapid growth. Young plants give the largest flowers. Old worn out plants should be replaced. Cover in winter with leaves or straw.

Pansy, King of the Blacks, coal black, 15
Pure White, very fine, 15
Bronze-color, 10
Dark Purple, very fine, 20
Emperor William, new, fine large flower; ultramarine blue, 20
Azure Blue, splendid, 10

Pansy, Pure Yellow, true to color,	10
Striped, new, very fine,	15
Odier, or Large-Eyed, dark spots on each petal and large eyes, very fine,	20
Fancy Show, from the very best collections in Europe; Mixed colors,	15
Collection of the above 10 varieties, \$1.00.	
Choice mixture of the above,	10

PERILLA.

One of the best ornamental-leaved annuals. Has a broad serrated leaf, of a purplish mulberry color; hardy annual two feet high. Very desirable for the centre of a bed of ornamental leaved plants, and also for a low screen or hedge,

Perilla Nankinensis,	5
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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. Sow in cold frame, hot-bed, or in the open ground. They do well either way. We have got as fine collections of Petunia seed as there is in America.

Petunia hybrida or Blotched and Striped, finest strain in existence, choice varieties mixed,	10
Double, finest strains that can be obtained, mixed colors,	20
Pure White, single; fine for bedding,	10
Mixed Varieties, finest single varieties mixed,	5

FOR DESCRIPTION OF THE FOLLOWING VARIETIES, SEE NOVELTIES.

Inimitable, very dwarf, fine for massing,	15
grandiflora alba, large flowering, white,	25
grandiflora kermesina, crimson with white throat,	25
grandiflora maculata, large flowering spotted,	25
grandiflora marginata maculata, green edged and blotched,	25
grandiflora purpurea, fine dark purple,	25
grandiflora fimbriata, beautiful fringed, all shades,	25
grandiflora mixed, the above 6 varieties mixed,	20
grandiflora flore pleno marginata, green edged, double, large-flowering, all shades,	50
grandiflora fimbriata flore pleno, double fringed, large-flowering, all shades, extra fine,	50
grandiflora flore pleno, large-flowering double from best show flowers, mixed,	50

PHACELIA.

The Phacelias are hardy annuals, very good as a border plant or for bouquet making. *P. tanacetifolia* has whitish flowers with long black hairs. The Phacelias are unequalled for bee-food.

Phacelia congesta, light blue, per oz. 20 cts.,	5
tanacetifolia alba, white; per oz. 20 cts.,	5

PHLOX DRUMMONDII.

For a brilliant mass of colors, and a constant display, it is not excelled by any annual or perennial. It has every desirable quality for this purpose. The colors range from the purest

white to the deepest crimson. Seed may be sown in the open ground or in hot bed or cold frame.

Phlox Drummondii, Deep Blood Purple,	10
Brilliant Scarlet,	10
Large Blue, white eye, bluish purple,	10
rosea, beautiful rose color,	10
rosea albo-oculata, distinct white eye,	10
Radowitzii, rose striped with white,	10
Radowitzii violacea, violet, white stripe,	10
flore-albo, pure white,	10
flore-albo oculata, pure white, purple eye,	10
Isabellina, light dull yellow,	10
variabilis, violet and lilac,	10
All varieties mixed,	5
grandiflora, an improved annual Phlox,	15

POPPY.

Hardy annual. They have a tap root and are hard to transplant, therefore the seed should be sown where the plants are to remain.

Poppy, Ranunculus-Flowered, small double, mixed colors,	5
Poppy, Carnation, double, mixed colors,	5
Pæony-Flowered, large, double mixed	5
somniferum fl. pl., (Double Opium poppy,) splendid large flowers, mixed,	5

PORTULACA.

The Portulaca delights in a warm sun, and a sandy soil, and the drouth is never too long nor the heat too intense for this beautiful little salamander. 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. Easily transplanted.

Portulaca, Albiflora, pure white,	5
aurea, straw-colored,	5
aurea striata, sulphur yellow, striped with gold,	5
New Rose, fine rose color,	5
Thellussonii, fine crimson,	5
splendens, rosy purple,	5
Above varieties mixed,	5
Double Rose-Flowered, a perfectly double variety, as much so as the most perfect Rose, and of many brilliant colors, as well as striped; fir t quality, mixed colors,	10

RICINUS.

Has very ornamental foliage and showy fruit. Plant seed in open ground in a dry situation. Fine for large foliage beds; 5 to 10 feet in height.

Ricinus macrocarpus, whitish foliage; 6 feet, . . . 10
sanguineus, blood-red stalks; 5 feet, . . . 10
Borboniensis, beautiful, large leaves; 10 feet, . . . 10

Ricinus communis, common Castor Oil Bean; per lb. 70 cents; per oz. 10 cents. . . . 10

SALPIGLOSSIS.

Salpiglossis is a good half-hardy annual. About two feet in height; but there is a dwarf kind that grows only about one foot in height. Seeds may be sown under glass, but they will do well in the open ground, if the soil is light.

Salpiglossis, mixed colors, from very choice plants, . . . 10

Salpiglossis, Dwarf, finest mixed colors, . . . 10

SALVIA.

Known as Flowering Sage, grows freely in any light, rich soil; two feet high; plants should get a good start in the hot-bed; plant when weather is warm. Pot in the fall for winter blooming.

Salvia coccinea splendens, scarlet, large, . . . 5
bicolor, blue and white, . . . 5
splendens, true, large, scarlet, . . . 10
splendens alba, new white, . . . 20

SANVITALIA.

Dwarf-growing, free-flowering, hardy annuals, suitable for small beds and rock-work.

Sanvitalia procumbens flore pleno, flowers very double, bright golden yellow, . . . 10

SAPONARIA.

Low plants. For a small pot or edging they are very desirable. Hardy annual.

Saponaria calabrica, rich, deep pink, . . . 5
alba, white, . . . 5

SCABIOSA.

The tall Scabiosas grow eighteen inches in height, the flowers being on long, wiry stems. The dwarf sorts are about a foot in height. Sow in the garden. Plants if thrifty in the autumn, not weakened by over-flowering, often flower the second season.

Scabiosa, white, . . . 5
 All colors mixed, . . . 5
Double Dwarf, very pretty, compact plant, . . . 5
stellata, starry seed vessels; excellent for winter bouquets, . . . 5

SCHIZANTHUS.

Half hardy annuals. Do well in a house or open ground; 2 to 3 feet high; flowers abundantly.

Schizanthus, best varieties mixed, . . . 5

SEDUM.

Known as Stonecrops, good for rock work and masses, grows readily on old walls, mounds, &c.

Sedum coeruleum, blue; 3 inches in height, . . . 10

SENICO.

Known by some as Jacobaea; they are hardy annuals of the earliest culture, in the varieties of which are to be found, purple, bronze, pink and white.

Senico elegans, one foot, mixed colors, . . . 10
elegans nana, dwarf mixed colors, 6 inches, . . . 10

SENSITIVE PLANT.

Leaves close up at the least touch, and will open soon after. Start seed under glass, and do not transplant to the open ground until the weather is warm. Start a young plant in a pot, and sink the pot in the earth to the rim, removing it to the house in autumn.

Mimosa pudica, a tender sensitive annual, . . . 5

SPHENOGYNE.

A bright yellow free-flowering, hardy border-annual, from South America; useful for beds, ribbon-borders or edgings.

Sphenogyne Speciosa, one foot, . . . 5

SPRAGUEA.

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

Spraguea umbellata, . . . 25

STOCK, TEN-WEEKS.

Seed may be sown in the open ground or under glass; but if transplanted let this be done when the plants are quite small; set a foot apart.

Stock, New Largest-flowering Dwarf, a plant of dwarf habit, with magnificent large spikes of very large double flowers; all colors mixed, . . . 15

New Largest-flowering Dwarf, pure white, . . . 15

New Largest-flowering Dwarf, Blood Red, the richest, deepest colored Stock grown, . . . 15

Newest Large-flowering Pyramidal Dwarf, a plant of pyramidal habit, with long spikes of large flowers; many choice colors mixed, . . . 20

New Large-flowering Pyramidal Celestial Blue, new and excellent color, . . . 25

Wallflower-leaved, smooth, dark, shining leaves, like the Wallflower, dwarf habit, Set six inches apart. Mixed colors, . . . 15

Intermediate or Autumn-flowering, commences flowering in the autumn, and if removed to the house, will bloom during the winter; mixed colors, . . . 15

Dwarf German, open ground seed, finest mixed, . . . 5

Dwarf German Largest-flowering, open ground seed, finest mixed, . . . 10

TROPÆOLUM MINUS

Tropæolums, known as Nasturtiums, are half hardy annuals. Flowers of all different shades of yellow, orange and red.

Tropæolum minus , Dark Crimson, . . .	5
Carter's Tom Thumb , scarlet, . . .	5
Crystal Palace Gem , sulphur, spotted with maroon, . . .	5
Tropæolum Minus , Pearl, white, very fine, . . .	10
King of Tom Thumbs , foliage dark bluish green; flowers brilliant scarlet, . . .	10
King Theodore , flowers very dark, . . .	10
Mixed varieties, . . .	5

VERBENA.

Sow seed under glass early in the spring, and transplant after 3 or 4 inches of growth. Good healthy plants can be produced from seed that will cover space 4 feet in diameter.

Verbena hybrida , choice seed, saved only from the most beautiful named flowers, . . .	10
Striped , excellent flowers, with broad Carnation like stripes. Inclined to sport, . . .	15
Scarlet , brightest scarlet, quite true, . . .	15
Pure White , new, quite true from seed, . . .	15
Montana , a hardy Verbena from the Rocky Mountains, that bears our winters well. Flowers bright rose, changing to lilac, . . .	15

VERONICA.

If sown early forms very pretty edgings for small beds, half-hardy annual.

Veronica syriaca , blue and white, . . .	5
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VINCA.

A beautiful green-house perennial, may be treated as a tender annual for the garden. Not suitable for out-door sowing in northern latitudes. Plants about eighteen inches high.

Vinca rosea , rose; 2 feet, . . .	10
rosea alba , white, red eye; . . .	10
rosea nova spec. , pure white . . .	10

VIRGINIAN STOCK.

Extremely beautiful free-flowering little plants for beds, baskets or edgings, growing freely in any soil; six inches high, very hardy.

Virginian Stock , red and white mixed, . . .	5
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WHITLAVIA.

A pretty, hardy annuals, with delicate foliage, and drooping clusters of blue and white bells. Suffers in hot, dry weather; give it a shady place.

Whitlavia grandiflora , 10 inches high, violet-blue, . . .	5
grandiflora alba , similar to the above, but white, . . .	5
gloxinoides , flowers larger than the above, . . .	5

WIGANDIA.

Splendid ornamental foliaged plants, with immense leaves, 3 feet long by 1-2 feet wide; seed should be sown in a hot-bed early, so as to produce fine plants by the middle of summer. Tender annuals.

Wigandia Vigieri , superb foliage, . . .	20
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ZINNIA.

Double Zinnias usually grow about 2 feet in height, giving flowers quite as double as the Dahlia. Seed does well sown under glass, with not much heat and plenty of air, does well in a bed in the garden. Set 18 in. apart.

Zinnia , Double, choicest, best colors mixed, . . .	10
Eight separate colors, including pure white, each color, . . .	10
Haageana flore pleno , (See Novelties), very fine, . . .	15

CLIMBERS.

Nothing can excel the beautiful natural drapery of the Climbers. In the hands of the tasteful gardener they are almost invaluable, transforming an unsightly fence or out-house into an object of real beauty. For arbors, verandahs, etc., all know their value. The culture and management are about the same as for Annuals, except that they need ample support to twine on.

CARDIOSPERMUM.

A curious half-hardy annual. Sow seed under glass. It needs favoring in the garden, but does well in the house, known as Balloon Vine or Love in a Puff.

Cardiospermum Halicacabum . . .	10
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CALAMPELIS.

A very beautiful climber, foliage very pretty, with bright orange flowers, and produced in racemes; blooms profusely. Sow seed under glass.

Calampeelis scabra, . . . 10

COBÆA.

One of the most beautiful of our climbing annuals. Strong plants set out early in the spring often grow twenty or thirty feet long, branching freely. 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 plants appear, unless in a warm place and the earth is very dry. Sow under glass.

Cobæa scandens, . . . 10

CONVOLVULUS MAJOR.

The old Morning Glory, is the best known and most popular annual climber we possess. The seeds germinate readily in any soil or place.

Convolvulus major, six varieties, each, . . . 5
All colors mixed, . . . 5

DOLICHOS.

Plant Dolichos seed in the garden where the plants are desired, and in as warm and dry a spot as possible.

Dolichos Lablab (Hyacinth Bean), a fine climber, with purple and lilac flowers, . . . 5

Dolichos, albus nanus, white, dwarf, . . . 5
spec. giganteus, large, free grower, . . . 10

GOURDS.

The Gourds are a vigorous class of plants, with curiously formed and often strangely colored fruit. The culture is the same as for squashes.

Gourd Bryonopsis laciniosa, foliage elegant, fruit scarlet, striped with white, . . . 10

Gourd Hercule's Club, large, long, club-shape, . . . 10
Orange, the well-known Mock Orange, . . . 10
Calabash, the old-fashioned Dipper Gourd, . . . 10

IPOMÆA.

Ipomœas succeed best if started in the hotbed. Desirable for pots, baskets, etc., for the house also for green-house decoration it is very good.

Ipomœa grandiflora superba, fine, large flowers, sky-blue, with broad border of white, desirable for baskets, pots, etc., . . . 5
Bona Nox, (Good Night or Evening Glory,) flowers large, white, . . . 10
coccinea, sometimes called Star *Ipomœa*, with small, scarlet flowers, . . . 10
Quamoclit, (Cypress Vine), tender flowers elegant, foliage beautiful, mixed colors, . . . 10
Scarlet, white, rose, each color, . . . 10

LOASA.

A good climber, with curious yellow and red flowers. The branches are covered with stinging hairs that give pain when touched, so that a good deal of care must be exercised when handling the plants.

Loasa nitida, yellowish, light green leaves, . . . 5
Herbertii, fine scarlet, . . . 10

MAURANDYA.

Plants should be grown in the hot-bed or green-house. Growth of plant, five or six feet, and the foliage abundant. The flowers of the *Maurandya* are of different shades of blue, white and mauve. Good for baskets vases, etc

Finest mixed, . . . 10

NEMOPHILA.

This is a beautiful climber from California, which gives great promise of becoming popular.

Nemophila aurita, (See Novelties), . . . 20

PEAS, FLOWERING.

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.

Peas, Sweet, Scarlet, Invincible, a beautiful deep scarlet variety, lb. \$1.30, oz. 15 cts, 10

Black, very dark, brownish purple; per lb. \$1.30; per oz. 15 cents, 10
Scarlet, striped with White, per lb. \$1.00; per oz. 10 cents, . . . 5
Painted Lady, rose and white, per lb. \$1.00; per oz. 10 cents, . . . 5
White, per lb. \$1.00; per oz. 10 cents, . . . 5
Purple Striped, per lb. \$1.00; per oz. 10 cents, . . . 5
Blue Edged, white and pink, edged with blue; per lb. \$1.30; per oz. 15 cents, . . . 10
All colors mixed, per lb. 75 cents; per oz. 10 cts. 5

TROPÆOLUM.

Fine climber, growing 10 or 12 feet. Flowers, all shades of yellow, scarlet, striped and spotted. Grow freely from cuttings. Fine for vases, and baskets.

Tropæolum majus, atropurpureum, dark crimson, half-hardy annual, start when the weather is warm, . . . 5
Schulzii, brilliant scarlet, . . . 5
luteum, yellow, . . . 5
Common mixed; the green seed pods used for pickles; per oz. 15 cents, . . . 5
peregrinum, (Canary Flower), . . . 10
Lobbianum, a delicate class, desirable for house culture in pots or baskets, not suitable for open ground, mixed colors, . . . 10

THUNBERGIA.

Starts rather slowly at first. Seed requires hot-bed treatment; plants grow easily from cuttings. Flowers white or orange; fine for baskets.

<i>Thunbergia alata</i> , yellow or buff, with dark eye.	10
<i>aurantiaca</i> , bright orange, with dark eye.	10
<i>intus alba</i> , buff, with white.	10
All colors mixed.	10

EVERLASTINGS

The Everlasting or Eternal Flowers, as they are sometimes called, have of late attracted considerable attention in all parts of the world, and are becoming generally cultivated. They retain both form and color for years and make excellent bouquets, wreaths and many other desirable winter ornaments. They make cheap and yet very desirable holiday presents. The flowers should be picked as soon as they expand, or a little before, and hung up in small bunches, in the shade, so that the stems can dry straight. If the bunches are too large they will mildew. The *GOMPHRENAS*, however, must not be gathered until fully developed. The culture is the same as *Annuals*. It is well to start seed under glass for best results.

ACROCLINIUM.

One of the most beautiful of the Everlasting flowers. It is of strong growth, about eighteen inches in height, and bears a great number of pink and white daisy-like flowers, with a yellow centre. Should be gathered the first day they open, or before fully open, to secure a bright centre when dried.

<i>Acroclinium roseum</i> , bright rose color.	5
<i>roseum album</i> , pure white.	5
Both colors mixed.	5

AMMOBIUM.

<i>Ammobium alatum</i> , white, hardy.	5
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GYPSOPHILA.

The *Gypsophilas*, though not Everlastings, are valuable for bouquet making, either green or dry. They flower the first season, but will continue to bloom several years.

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 (Globe Amaranth,) alba,

pure white.	5
<i>globosa carnea</i> , flesh colored.	5
<i>globosa rubra</i> , dark purplish crimson.	5
<i>globosa striata</i> , pink and white striped.	5
Above mixed.	5
<i>Gypsophila elegans</i> , hardy annual, white, 6 in.	10
<i>muralis</i> , hardy annual, rose, flowers dwarf.	10
<i>paniculata</i> , white, 2 feet, perennial.	5

HELICHRYSUM.

Helichrysium flowers are large and full, and of a good variety of colors. Plants generally about 2 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.

<i>Helichrysium monstrosum</i> , double mixed.	10
<i>monstrosum</i> , Double Red, very bright.	10
<i>monstrosum</i> , Double White, pure.	10
<i>bracteatum</i> , bright yellow, 18 inches.	10
<i>minimum</i> , dwarf, both flowers and buds excellent for wreaths, etc., many colors.	10

HELIPTERUM.

Helipterum grows about a foot in height, branching, bears very many clusters of flowers. They 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 many years.

<i>Helipterum Sanfordii</i> , one of the choicest Everlastings, flowers small, rich yellow, 2 feet.	10
<i>corymbiflorum</i> , white, star-like flower.	10

RHODANTHE.

Some care is necessary in starting seeds of the Rhodanthe, but after good plants are grown we never fail to obtain flowers in abundance. Gather before they fully expand. One of the prettiest everlastings.

Rhodanthe maculata, rosy purple, 10
maculata alba, pure white, yellow disc, . . . 10

STATICE.

Flowers are borne in panicles. They are not an everlasting, but like the Gypsophilas, are of great value for drying, as they retain their color when dried.

Statice Bonduellii, annual, yellow, one foot, . . . 10
Besseriana rosea, perennial, small rose colored flowers, very pretty, 10
incana hybrida nana, perennial, mixed, . . . 10
sinuata, beautiful annual, blue flowers, . . . 10
Thouinii, dwarf annual, flowers in spikes, . . 10

WAITZIA.

An interesting class of annuals, bearing their dry or everlasting flowers in clusters. All the varieties have yellow flowers. The seeds are very fine and should be sown under glass in a light soil.

Waitzia aurea, fine yellow, 20
grandiflora, flowers large, golden yellow, . . 20

XERANTHEMUM.

Free-blooming annuals of a very neat, compact habit, less than a foot in height. Seeds germinate freely; transplant when young.

Xeranthemum, Large Purple-Flowered, the largest-flowered, very double and fine, . . . 10
cœruleum, double, light blue, 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. Cut about the time of flowering, tie up in little bunches and dry in the shade. Those that flower the second year, like STIPA and BROMUS, must be marked in some way or they will be destroyed for weeds, as they

look so much like common grass. They are perfectly

hardy, and will endure the winter. To make Pampas

Grass Plumes and the Plumes of Erianthus, silvery white, as soon as they are cut place them in the sun for several days, until they are bleached to the desired whiteness.

Agrostis nebulosa, the most elegant of Ornamental Grasses, fine, feathery, delicate, hardy annual, 10
Andropogon bonbycinus, small heads covered with silky hair, hardy perennial, 10
Arundo Donax variegatis aureus, perennial, strong stem, with golden yellow striped leaves, 6 feet high, 10
Avena sterilis, (Animated Oat,) 30 inches high, hardy annual, 10
Briza maxima, an elegant Shaking Grass, one of the best Ornamental Grasses, perfectly hardy, sow in open ground any time in the spring, 1 foot; hardy annual, 5
compacta, an erect compact variety of Quaking Grass, hardy annual, 5
Brizopyrum siculum, dwarf, with shining green leaves, very pretty, 8 inches, hardy annual, . . 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; hardy perennial, 5
Chloris submutica, small and tassel-like, hardy annual, may be sown in the garden, 1 foot, . . 10
Chrysurus cynosuroides, (Lamarckia aurea,) dwarf, yellowish, feathery spikes, hardy annual, 5
Coix Lachryma, (Joab's Tears,) grows about 2 feet, broad, corn-like leaves, half-hardy annual, 5
Erianthus Ravennæ, as fine as Pampas Grass, which it resembles, and very much superior for a northern climate, being a hardy perennial; plants 25 cents each, seeds, 10
Glycerium argenteum, (Pampas Grass,) a noble Grass, flowers second season, not hardy here, 10
argenteum variegatum, a variegated variety, of Pampas Grass, leaves striped with white, not hardy here, (See Novelties,) 25
Hordeum jubatum, (Squirrel Tail Grass,) fine, hardy annual, 10
Isolepis gracilis, perennial, very graceful, fine for flower baskets, 10
Lagurus ovatus, dwarf, showy heads, called Hare's Tail Grass, 1 foot, sow early, hardy annual, 5
Panicum sulcatum, perennial, very decorative, with palm shaped foliage, 10
Pennisetum longistylum, a very graceful Grass growing 18 inches, hardy annual, 10
Stipa pennata, (Feather Grass,) magnificent Grass, flowering the second season, hardy perennial, 10
Trycholena rosea, a very beautiful rose-tinted Grass, 2 feet; hardy perennial, 10
Zea gracillima, a dwarf variety of maize, about 22 inches in height, very compact and ornamental, 5
Japonica variegata, variegated maize, striped green and white, 5
The entire collection, one packet of each, of the above 23 varieties, \$1.25

PERENNIALS.

The Perennials that are found in this department do not flower until the second year. As will be seen by the names below, it contains some of our oldest, and best flowers, like the Canterbury Bell, Hollyhock, etc. These perennials, many of them, though wonders of beauty when in bloom, flower only for a limited period, and therefore should be planted a little in the background. They will not answer for a bed on the lawn, which should make a show of flowers all through the Summer.

Adlumia cirrhosa, or Alleghany Vine, and sometimes called Wood Fringe, pink and white, . . . 10

ADLUMIA.

A pretty biennial climber, with pale green foliage. Sow seed in the spring, in a damp, cool place. Transplant in the Autumn if possible.

A desirable border plant, with delicate foliage. Flowers yellow. Seed may be sown in the open ground, in light soil.

Adonis Vernalis, 5

ADONIS.

A free-growing perennial of compact habit, and small golden yellow flowers. Height, 10 inches. Seeds grow readily. The popular name is Gold Dust.

Alyssum saxatile compactum, . . . 5

ALYSSUM.

ANEMONE.

Beautiful hardy perennial; succeeds best in a light soil. Soak the seeds in moist soil, until they begin to sprout and then sow in a shady place.

Anemone coronaria, mixed colors; 1 foot . . . 10

AQUILEGIA.

The Aquilegia is the old and well prized Columbine, of almost every conceivable color, and singular variations of form. Like a good many of our 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 country in the world. Called by some the Wild Honeysuckle.

Aquilegia, Carnation or Staped, white, with broad red stripes, double, . . . 10

Aquilegia, Skinneri, very beautiful, colors scarlet and yellow, . . . 10
cœrulea, flowers very large, sky-blue and white
chrysantha, the beautiful large flowered, Canary yellow variety, obtained first from Arizona; it is an excellent sort, and keeps in flower half the summer, . . . 10
Alba Flore Pleno, double white, . . . 10
Clandulosa, blue and white, . . . 10
Californica Hybrida, a striking variety, (See Novelities,) . . . 50
Cœrulea Hybrida, (See Novelities,) . . . 50
Truncata, a new variety, first introduced, (See Novelities,) . . . 25

ASPERULA.

Known as Woodruff, a wild plant in many parts of Great Britain. It grows less than a foot in height; flowers white and fragrant; very fragrant when cut and dried, emitting a flavor like bitter almonds or Heliotrope.

Asperula odorata, white, . . . 10

CAMPANULA.

The perennial Campanula is well known everywhere as Canterbury Bell. The double varieties, though curious, are not really so beautiful as the old single bell.

Campanula Carpatica, blue and white mixed, . . . 5
Mediam, (Canterbury Bell,) flowers large, plant 2 feet in height; single varieties mixed, . . . 5
 Double varieties mixed, 5

CANDYTUFT, PERENNIAL.

Candytuft Semipervireus, fine, 1 foot, . . . 10

CERASTIUM.

Silvery-leaved plants, very suitable for edgings and rock-work; hardy, three inches high.

Cerastium Biebersteinii, white leaves, . . . 10

CRUCIANELLA.

A pretty free-flowering plant, useful for rock-work, vases, &c.

Crucianella stylosa, pink, 1 foot, 5

DELPHINIUM.

Commonly known as Larkspurs, are valuable plants, the foliage clean and pretty, habit strong and good, the flowering branches often 4 feet in height, the spikes of flowers six inches or more in length and compact. Sow seed in the spring. Transplant from the seed-bed early in the fall.

Delphinium formosum, brilliant blue; white eye, . . . 10
nudicaule, a beautiful bright scarlet variety; native of Californian mountains; new, . . . 10
Chinense, fine; blue, white and pink mixed, . . . 5
Cashmerianum, (See Novelities,) . . . 40
 Mixed varieties, 5

DIANTHUS.

Seeds of the Dianthus may be sown under glass, or in the open ground in spring and the second season will flower. Young plants are perfectly hardy. A succession of young plants should be procured either from seeds or layers, every year. The layering should be done in midsummer. Shade until layers are rooted.

Dianthus, Carnation, German seed from named flowers, . . . 20
Picotee, German seed from named flowers, . . . 20
 Pink, best double, mixed colors, . . . 20
 Pink, single, mixed colors, 10

DICTAMNUS.

Dictamnus Fraxinella, mixed varieties, 10

The *Dictamnus Fraxinella* is a desirable hardy perennial with racemes of large, showy flowers, often a foot in length. There are two varieties, pink and white. The plant attains a height of two or three feet, the leaves are beautiful in color. It is desirable in the border as a summer hedge or screen.

DIGITALIS.

The *Digitalis* is a stately plant, when well grown, with flower stems at least three feet in height. The raceme of flowers is at the extremity of the stem. Perfectly hardy, seed may be sown in the open ground. *Digitalis purpurea alba*, white, 5
gloxinæflora, new, beautiful-ly spotted; 4 feet, 5
Mixed varieties, 5

ERYTHRINA.

Forms a shrub about five feet high, having large spikes of deep scarlet pea-shaped blossoms, half-hardy shrub.
Erythrina Christa galli, (Coral Tree,) 20

EUCALYPTUS GLOBULUS.

Known as the "Fever and Ague Plant," or "Blue Gum Tree." It makes a pretty tree and is an object of interest in sub-tropical planting.

Eucalyptus Globulus, 25

EPATORIUM.

Very pretty herbaceous plant, with bunches of showy white flowers; fine for bouquets.
Epatorium Fraserii, 18 inches, 10

HEDYSARUM.

Hedysarum coronarium, fine scarlet, 5
coronarium flore albo, white, 5

HOLLYHOCK.

The improved double Hollyhocks, are much more dwarf in habit than the old-fashioned single, the flowers are perfectly double and of an endless variety of colors. My seeds are extra choice, from Chatter's celebrated collection.
Hollyhock, Double, very double and fine, from the best named collections in Europe, mixed, 10
Double White, very fine, . . 10

HONESTY.

Lunaria biennis is what is known as Honesty in all our gardens, and by all florists. The silvery seed pouches are curious and pretty, and very desirable for winter ornaments.
Honesty, Purple, hardy 2 feet, . . 5

IPOMOPSIS.

The *Ipomopsis* are very beautiful plants, with long, elegant spikes of rich orange and scarlet flowers, excellent for conservatory and out-door decoration. The foliage is very fine, giving great beauty to the plant, which grows usually from three to four feet in height, and keeps in flower a long time. The plant is a little difficult to keep over the winter, but proves hardy in a dry place.

Ipomopsis, (Standing Cypress,) mixed, 5

LINUM.

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 Flavum, golden yellow, 10
Lewisii variegatum, striped, lilac and white, 10
perenne, mixed varieties, 5

PAPAVER.

Perennial Poppies are perfectly hardy. Of great value among shrubbery.
Papaver bracteatum, scarlet, 3 feet, 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 to or more feet in height.

Perennial Peas albus, white, very fine, . . . 15
All varieties mixed, 10

POLEMONIUM.

Known as Jacob's Ladder. A hardy perennial, growing about 2 feet in height; leaves deeply serrated; plant rather pyramidal in form.

Polemonium coeruleum, blue, sweet scented, 5

PRIMULA.

The *Primulas* do not flourish in our climate. In this country all do well in a cold house, but in the open ground succeed best in a northern border. Seed in our country should be sown under glass.

Primula auricula, fine mixed, 20
auricula, from named flowers, 40
clatior, (*Polyanthus*), fine mixed, 10
vulgaris, common wild English Primrose, . 10

PYRETHRUM.

Pyrethrum is entirely hardy in this section. A good double *pyrethrum* is as desirable as a good *Aster*, quite as large and as double. It would be well to sow seed under glass, but we have grown it by sowing seed in the open ground.

Pyrethrum parthenifolium aureum, Golden Feather, prized for yellow foliage, 10
parthenifolium aureum, Golden Gem, double white flowers, 10

PENTSTEMON.

One of the best of the perennial border plants. Seeds may be sown in May, in a cool, shady place.

Pentstemon Jeffreyanus, extra fine, 15

ROCKET.

The Sweet Rocket is a very hardy biennial, bearing clusters of very fragrant flowers. The best colors are purple and white. They sow themselves and come up like weeds every spring.

Rocket, Sweet Purple, 5
Sweet white, 5

STOCK.

Brompton Stock cannot endure our winters, but if plants are grown in the open ground during the summer, in autumn they can be removed to the house, where they will flower well if not kept too hot and dry. In the spring they can again be transferred to the garden.

Stock Brompton, best mixed colors, 20
Tree Giant Cape Winter, 20

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 are perfectly hardy, and may be increased by division of the roots. It is well to raise new plants every few years from seed, for old plants become unsightly.

Sweet William, Perfection, 5
Fine Double, mixed, 10
Fine Single, mixed, 5

TUNICA.

A very pretty hardy perennial, with rosy lilac flowers, useful for edgings, dwarf beds or rock-work.

Tunica Saxifraga, 6 inches, 5

VALERIANA.

A beautiful border plant. Will bear shade and moisture.

Valeriana, scarlet, white and red, mixed, 5

VERONICA.

Very ornamental herbaceous plants, growing 2 feet, and blue-colored flowers.

Veronica glauca, hardy, 10

WALLFLOWER.

Sow seed in open ground; transplant in pots; sink pots in ground up to the rim; in the fall remove plants to house, cold pit or cellar. For winter flowering, place in a cool room and plenty of water.

Wallflower, fine mixed colors, double, 15
Single, fine mixed, 5

SEEDS OF BULBS.

There are a few bulbs which come to perfection from seed, and some persons are willing to watch the development from the tiny seed to the perfect plant, which takes usually two or three years.

Dahlia, saved from a superb collection, 15

Gladiolus, finest hybridized, 15

Bulbets, from named varieties, 10

Yucca, 15

GREENHOUSE.

Most persons procure house plants from the greenhouses, and when but one or two of a kind are needed this is a good plan. Some, however, have green-houses, 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 full developed plant, in all its grand display of beauty.

SYCLAMEN PERSICUM.

To all such, I 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. Seeds of Greenhouse plants are not only delicate, but they are natives of other and milder climates. Their conditions are usually warmth and moisture—a humid warm air as well as soil. The best advice I can give in regard to sowing is this: Sow the seeds in boxes. Obtain a mellow soil, such as could be made by rotting turf, and one-fourth sand, which will not bake. See that it is free of 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. Put on water in very fine spray. Do not let the sun shine upon them directly, or it will dry them up in five minutes, so the boxes must be shaded. If the air of the house is dry and dusty, the seeds will have a hard time, and perhaps will be ruined, cover the boxes with glass, which will secure a damp atmosphere, caused by the moisture arising from the earth. When the plants are up they must have a little air, 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. Most of the varieties known as greenhouse plants will, of course, succeed as well in the dwelling house as the greenhouse, if we secure the conditions necessary to their health. These are light, warmth, moisture, air and occasionally a little sunshine. The difficulty generally is that we keep our living rooms too warm and dry for plants. The florist syringes his plants, and throws water on the paths, to obtain a moist atmosphere by its evaporation. Keep the thermometer not over seventy or seventy-five in the day, and not over fifty or sixty at night. Keep the leaves clean.

Abutilon, finest varieties mixed, 20

Azalea Indica, a splendid green house plant, the varieties of which are now almost numberless, running through nearly every known shade and color; finest mixed, 20

Begonia boliviensis superba, very choice, 20

Pearcei, large, yellow, 20

Ne plus ultra, bell-shaped, dazzling scarlet, 40

Sedeni, splendid hybrid, rich magenta, 25

Veitchi, splendid for rock-work, 40

Hybrida, choice varieties mixed, 20

Double Tuberous-rooted, finest varieties mixed, 50

Roezli, a rare novelty, 75

For description of the above varieties of Begonias (See Novelties).

Calceolaria hybrida grandiflora, large flowering varieties, superb flowers, 40

hybrida tigrina, spotted; seeds from the best collections in Europe, 40

Shrubby, splendid varieties for bedding; finest mixed, 40

Campanula Vidalis, white, very showy,	20	Heliotrope, best mixed,	10
Carnation Remontant, or Tree Carnation,	40	Lantana, finest mixed,	10
choicest seed from named flowers,	40	Linaria Cymbalaria, (Kenilworth Ivy,)	25
Centaurea gymnocarpa, desirable for its delicately cut and graceful white foliage,	20	Nerium Oleander, finest mixed Oleander,	10
candidissima, an effective white-leaved bedding plant,	20	Oxalis rosea, a neat, erect growing plant; bright rose-colored flowers; 9 inches,	10
clementi, a new variety, producing crowns of silvery leaves, deeply fringed and cut,	25	Tropæoloides, deep yellow, brown leaves, 6 inches,	10
Chrysanthemum Indicum, best double,	15	Valdiviana, very showy; bright yellow sweet scented flowers,	10
Cineraria hybrida, of first quality,	25	Passion Flower, choice varieties, desirable for green-house culture,	25
maritima, white foliaged plants,	10	Passiflora cœrulea, the most hardy of the passion flowers,	15
maritima candidissima, a new variety of white leaved bedding plants; splendid for borders,	20	Primula Sinensis (Chinese Primrose,) rubra, red,	10
Clianthus Dampieri, magnificent greenhouse shrubby climber, fine foliage and clusters of brilliant scarlet flowers,	25	Sinensis alba, white,	15
Coleus, fine mixed,	20	Sinensis, good mixed,	10
Convolvulus Mauritanicus, desirable for hanging baskets, bearing many lavender-blue flowers,	10	fimbriata rubra, red; extra,	40
Cuphea platycentra, Cigar or Fire Cracker plant,	20	fimbriata alba, white; extra,	40
Cyclamen Persicum,	20	fimbriata striata, new, white, fringed, striped with red,	40
Persicum flora albo, white, very fine,	30	fimbriata, choicest mixed,	40
Persicum giganteum, (See Novelties),	75	Fern-leaved, very pretty fern-like foliage,	40
Fuchsia Single, choice mixed,	40	fimbriata alba pleno, double white,	1.00
Double, finest mixed,	40	fimbriata rubra pleno, double red,	1.00
Geranium Zonale, splendid mixed,	10	fimbriata flora pleno, double varieties mixed,	1.00
Zonale Scarlet, true,	15	Salvia Patens, splendid deep blue, 3 feet,	20
Gold and Bronze, new varieties mixed,	25	Smilax (Myrsiphyllum asparagoides,) the most popular plant now known for decorative purposes; fine climber, furnishing yards of glossy green trimming,	20
Fancy (Pelagonium), choicest fancy varieties, mixed sorts,	40	Solanum cabiliense, very fine; red-fruited, fruit hanging on the plant a long time,	10
Apple-scented,	25	pseudo-capsicum nanum,	10
Glaucium corniculatum, an elegant white leaved plant,	10	Torenia Bailloni, (See Novelties),	40
Gloxinia hybrida, best quality, choice flowers, from Benary's choice collection,	40	Fournieri, (See Novelties),	20
Hibiscus immutabilis, rosy flowers, 3 feet,	10	Tritoma Uvaria, known as the Red-hot Poker plant by some. For description and price of plants, see general list of plants,	20
coccinea, scarlet, 3 feet,	15	Tropæolum pentaphyllum,	25
Humea elegans, a beautiful ornamental, biennial, 4 feet high with graceful dark flowers,	10		

PLANTS AND BULBS:

For the convenience of customers, I have divided this department into **HARDY PLANTS AND BULBS** and **TENDER PLANTS AND BULBS**.

Packing Plants is now so well understood that we can send them by mail with safety, to any state in the Union, and rarely receive any complaint. Still, I prefer to send by Express where I can do so, and advise my customers to have them sent in this way, except perhaps, in the far west, or in such places where the charges would be very high. My system of light packing, makes the charges comparatively low; plants invariably arrive in perfect order when thus sent, and I can send larger plants by Express than by mail. 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.

I wish it distinctly understood that we will not attempt to fill orders for Plants alone, in less amounts than ONE DOLLAR, as small orders take more time, packing and postage, than large ones in proportion, and are more liable to perish in the mails.

HARDY PLANTS AND BULBS.

Under this head I offer those things that will bear the northern winter without injury, and that when once planted will continue to grow and increase. The work of planting, well done, is over for a lifetime.

ANEMONE.

Anemone Japonica alba, one of the best hardy white blooming, Autumn flowering plant, we have, each,	20
Double varieties mixed, per dozen,	35
Single varieties mixed, per doz,	25

AMPELOPSIS.

Amelopsis quinquefolia, or Virginia Creeper, called American Ivy and Woodbine; a very rapid grower, leaves turning to crimson in the Autumn; the best Climber for verandas or porches,	25
Veitchii, from Japan; foliage small. A splendid wall plant, clinging to the smoothest surfaces perfectly,	25
Tricolor, A variety, the young growth of which is elegantly variegated with white, pink and green; a perfectly hardy variety, growing to the top of the highest trees.	

AKEBIA.

A singular Japanese climber with small, pretty foliage, and small brown flowers; sometimes almost purple. It is a neat, pretty plant, and grows quite rapidly, often making a growth of twenty feet in one season; indeed, sometimes even greater, and giving good satisfaction.

Akebia quinata, 20 feet, 25

ASTILBE JAPONICA.

The Astilbe, or Spiræ Japonica, is a very pretty, dwarfish plant, with delicate feathery trusses of very small flowers that are really elegant. It is also one of the best of plants to force for winter flowers.

Astilbe japonica, (*Spiræ Japonica*), white, 25

ALTHEA, (Rose of Sharon.)

Hardy shrubs, blooming in the early autumn, when hardly any tree or shrub is in flower.

Althea single white, 25

Frutex Var., a variegated leaved variety, leaves distinctly margined with pure white, 30

AQUILEGIA.

Aquilegia cœrulea, (Rocky Mountain Columbine), flowers very large, sky-blue and white, 25

chrysantha, from Arizona, flowers large, canary yellow, 25

ARISTOLOCHIA.

Aristolochia Sipho, or Dutchman's Pipe, a rapid growing, hardy climber, with large leaves 10 inches across, and curious pipe-shaped yellowish-brown flowers, 50

BIGNONIA.

Bignonia radicans or Trumpet Creeper, a rapid strong grower, with clean, glossy foliage, bright red, trumpet-shaped flowers, three inches long; blooms in August, 25

CALYCANTHUS.

A hardy shrub, growing five or six feet in height, with dark brown flowers, with a delicious odor, resembling somewhat that of strawberries or apples.

Calycanthus floridus, (Sweet-scented Shrub), 25

CELASTRUS.

Celastrus scandens, or Climbing Bittersweet, another beautiful native plant, well worthy of cultivation; leaves pea-green; flowers small, followed by clusters of orange capuled berries, 25

CLEMATIS.

Clematis Flammula, European Sweet, flowers white, small and very sweet scented, 25

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

DAISY.

Blooms as soon as snow is gone. Transplanted early. Plant in a cool shady place, if possible. Protect in winter by a few leaves or straw.

Double Daisy, white, per dozen, \$1.00; each, 10
Red, per dozen, \$1.00; each, 10

DAY LILY.

The Funkia, called Day Lily, is a very fine autumn flower suitable for cemeteries. Flowers are of the purest white, contrasting finely with the prettily veined, light green leaves.

Day Lily, White, 40
Blue, 20

DELPHINIUM.

Delphinium formosum, dark blue flowers, large and brilliant; hardy, 25

DEUTZIA.

The Deutzias, particularly the double varieties, are among the finest acquisitions recently made to our flowering shrubs. The flowers are as pretty and as perfect as little roses. The first time we saw this plant in flower, we thought it the prettiest shrub in existence. The plants are usually covered with bloom in the early spring.

Deutzia gracilis, flowers white, single, and so profuse as to cover the branches, 25

Double White, similar to the above, making it one of our best spring flowering shrubs, 25

DICENTRA.

One of our most ornamental spring-flowering perennial plants, commonly known as "Bleeding Heart," with handsome Pæony-like foliage, and long, drooping racemes of bright pink and white heart-shaped flowers. Hardy.

Dicentra spectabilis, 25

ERIANTHUS RAVENNÆ.

This ornamental grass, when in full bloom, attains a height of from nine to twelve feet, occasionally having over fifty flower spikes on one plant, in two or three seasons, from seed. It resembles the Pampas Grass, but blooms much more abundantly, and, with the advantage of being hardy, will prove a most desirable plant for the decoration of lawns.

Erianthus Ravenneæ, plants \$2.60
per dozen: each, 25

FORGET-ME-NOT.

Myosotis, (*Forget-me-not*), blue or white, 20

GYPSOPHILA.

Paniculata is one of the best Gypsophilas, the delicate flowers growing in large branching heads, and make excellent trimming for bouquets, either green or dried, making a delicate net-work over the surface that all admire.

Gypsophila paniculata, good plants, 25

HOLLYHOCK.

Hollyhock, Double, assorted colors. Good plants, will flower the first season, per doz. \$2.50; each, 25

HYDRANGEA.

This is the best hardy plant introduced for many years; it is as hardy as a Lilac bush, and bears immense clusters of white flowers, sometimes a foot in length. The smallest plant will bloom the first year, and grows and increases in number and size of bloom every year.

Hydrangea paniculata grandiflora, Plants, 25

HONEYSUCKLES.

- Brachypoda*, valuable for its remarkably vigorous growth; flowers yellow; fragrant, 25
- Flexuosa*, An old favorite; holding its leaves during nearly the entire winter; flowers variegated, red, yellow and white; sweet scented, 25
- Halliana*, another evergreen honeysuckle, with very fragrant white flowers, 25
- Japan Golden-veined*, foliage small, beautifully netted with yellow, flowers white, sweet, 25

IVY PLANTS.

For a climbing plant in the garden, to do duty as a screen for an old wall or building, or to adorn either when new, we know of nothing to equal the Ivy.

- Ivy, plants, according to size, each, 10 cents; to 50 small plants of the above, for edgings, per doz. 1.00
- Variegated-Leaved*, each 15

LILY OF THE VALLEY.

The Lily of the Valley is as hardy as any plant can possibly be, and when planted in the open ground will increase rapidly, 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, very sweet and graceful delicately hung; pips per dozen 50c; each, 5

LILIES.

The Lily is cultivated in every part of the globe, and is a favorite to all, and truly, no earthly monarch was ever arrayed like one of these humble, yet gorgeous flowers. In almost every case, flowers will be obtained the first summer after planting. In the north, it is well before winter, to cover the ground over and around the Lily bulbs with three or four inches of leaves or straw, as a winter protectant. *Lilium Candidum* does best transplanted in August and September. Still we can furnish them early in the spring. Late *Candidum* orders will be booked for August.

	each.	dozen.
<i>Auratum</i> , the golden Japan Lily	\$0.50	\$5.00
<i>Calcedonicum</i> , dazzling scarlet,	1.00	
<i>Candidum</i> , white, used for forcing,	25	2.50
<i>Canadense</i> , our native Lily,	25	2.50
<i>Excelsum</i> , buff yellow,	75	
<i>Humboldtii</i> , yellow spotted brown,	75	7.50
<i>Japonicum Longiflorum</i> , white, trumpet-shaped, 5 in. long, used for forcing,	25	2.50
<i>Pardalinum</i> , yellow and red, spotted,	50	

<i>Speciosum Album</i> , white,	50	5.00
<i>Speciosum Album Praecox</i> , new white,	75	
<i>Speciosum Monstrosum</i> , Album, white,	50	
<i>Speciosum Punctatum</i> , white and pink,	50	
<i>Speciosum Rubum</i> , white and red,	25	2.50
<i>Speciosum Rubum</i> , white spotted with rose,	25	2.50
<i>Tigrinum</i> , Tiger Lily,	15	4.50
<i>Tigrinum</i> , double,	50	
<i>Thunbergianum Atrosanguineum</i> , red, orange marbled,	20	2.00
<i>Thunbergianum Citrinum</i> , citron yellow, with dark spots; dwarf,	25	2.50
<i>Thunbergianum Grandiflorum</i> , large clusters of dark red flowers; 2 feet,	20	2.00
<i>Washingtonianum</i> , white, changing to pink,	75	

LOBELIA.

- Lobelia cardinalis*, color intense scarlet, blooming in July. Does well in any garden soil, 25

PEONIES.

The Peonies are perfectly hardy, and they will succeed in any ground, unless water lies on the surface or near the roots in winter. They may be planted in the autumn or spring, and are increased by division of the roots.

<i>Peonies</i> , Fragnans, pink, per dozen,	\$2.50	25
Double White,	3.00	30
Choice named varieties,	3.00	30
Tree Peony,	1.00	

PANSIES.

Nothing can be better than a Pansy plant or a bed of Pansies in the spring or autumn. The Pansy is so hardy that it will bloom occasionally during a mild spell even in a northern winter. I have a fine collection of the best varieties, and good, strong, healthy young plants.

- Plants, \$1.00 per dozen; each, 10

PERENNIAL PHLOX.

- Choice named varieties, per dozen, \$2.00 20

PERENNIAL PEA.

- Good roots, 20

SPIRÆA.

This hardy shrub blooms in May. Flowers double pure white, literally covering the branches,

- Spiræa Prunifolia*, 25

THRIFT.

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

- Thrift, plants \$1.50 per dozen; each, 15

Complete Catalogue of Plants published in our next number, which will be issued about March 10th. It will be sent free to all who apply for it.

VEGETABLES.

NOVELTIES IN VEGETABLES.

BEAN—GOLDEN WAX.

This is a distinct variety of Wax Beans, coming fit for use eight or ten days earlier than the Black Wax; the pods are large and brittle and entirely stringless. As a Snap Bean it excels. After giving it a trial we are convinced of its superiority, and now offer it with full confidence. Our stock of seed is limited. Price, per peck \$3.00; qt. 75 cents, 10

BEAN—WHITE WAX.

This variety is not new, but it possesses so many superior qualities that it is entitled to a brief mention.

This variety is unequalled for tenderness and flavor, it is productive, and remains fit for use a long time. After once using it, no one will be without it. Price, per peck \$3.00; per qt. 75 cents, 10

BEAN—DREER'S IMPROVED LIMA.

This is a very productive variety, of superior quality. When green they are nearly as large as the Large Lima, thicker, sweeter, more tender and nutritious, remains green in the pod a long time after maturing, which makes them very valuable to market gardeners. Price per peck \$5.00; per qt. \$1.00, 15

CABBAGE—EARLY SUMMER.

This variety was sent out some four years ago. It has met with such great favor wherever introduced, that we have concluded to offer it on our list of Select Vegetable Seeds. It is about ten days later than the Wakefield, but being fully double the size, it may be justly called the best Large Early Cabbage. In weight it equals most of the late varieties. Its short outer-leaves enables it to be planted nearly as close as the Wakefield—about 12,000 to the acre—while Flat Dutch, Winningstadt, etc., producing no larger heads, can only be grown at the rate of 8,000 to the acre. It keeps longer without bursting open after heading than any variety we know of.

Price, per lb. \$5.00; per oz. 50 cents, 10

CELERY—GOLDEN DWARF.

This new variety has only been introduced a short time. The fact that it has been so generally grown by market gardeners in the vicinity of New York city proves it to be of great value. In size and habit of growth it is much the same as our dwarf white varieties, except when blanched the heart, which is large and full, is of a waxy, golden yellow, rendering it a most striking and showy sort, for either market or private use. It has a remarkably nutty flavor which is sought after by all lovers of Celery.

Price, per lb. \$6.00; per oz. 50 cents, 10

LETTUCE—NELLIS' PERPETUAL.

Nellis' Perpetual Lettuce is a distinct variety, not heading as some do, but forming huge, compact bushes when room is given. The color is a buttery yellow green, very tender, and slightly oily to the

touch. Its exquisite quality constitutes its superior point of merit. For private use it is especially adapted as only one sowing is necessary for the whole season. It remains up to the time of seeding of just the same quality for eating, as at any time before. The date of its origin is not known, as it has been an heirloom in our family at least fifty years. Its real value has been thoroughly tested, and the longer we grow it by the side of some thirty new and standard sorts, the more its real merits are appreciated. We offered it for the first time in the spring of 1878, from which period it has rapidly grown in favor at home and abroad, and when once used is not dispensed with. The great demand we have had for it, and its shyness to seed has kept it very scarce.

To sum up all its good qualities: 1st. It is the best variety ever introduced, being the most tender and rich. 2d. It remains fit to eat up to seeding, longer than any kind. 3d. It takes the longest time before attempting to seed, of any other.

We have a fine lot of seed this year that we offer at \$2.00 per oz. and 25 cents per packet.

MUSK MELON—NEW SURPRISE.

We grew this variety on our own grounds last season to test its merits, which is not found wanting, but shows great superiority over any other kind, and I take pleasure in recommending it to all.

This new Melon was first introduced in 1878. It has a thin cream colored skin, thickly netted; the flesh is of a deep salmon color, very thick and of exquisite flavor; a good bearer; round in shape and early. All who have tested it, without exception, pronounce it the finest they have ever eaten. The seeds I offer are saved from the finest specimens.

Price, per lb. \$5.00; per oz. 50 cents, 10

SPINACH—SAVOY-LEAVED.

A most valuable variety of Spinach, which produces nearly twice the weight of crop as the ordinary sorts. It is the hardiest of all the varieties of Spinach.

In appearance the leaf is wrinkled in the same manner as the Savoy Cabbage, hence the name. Without a doubt it will supersede all other varieties.

Price, per lb. \$1.00; per oz. 10 cents, 5

SQUASH—MAMMOTH CHILI.

Grows to large size, often weighing two hundred pounds, is excellent for all uses.

Price, per lb. \$2.00; per oz. 20 cents, 10

TOMATO—ACME.

Although of comparatively recent origin, this variety has now become an established sort. It is an early and very handsome sort, with fruit of medium size, perfectly smooth and regular in shape, very solid and exceedingly prolific. In color it is quite distinct, being a dark red, with a slight purplish tinge. Seeds saved from selected stock.

Price, per lb. \$5.00; per oz. 50 cents, 10

GENERAL LIST OF VEGETABLE SEEDS.

The Vegetable Department embraces almost every article of value known. We have excluded everything our experience has proved unworthy of culture. As fast as new Vegetables establish their good character we shall add them to our list. Everything in this list will be sent postpaid by mail at the prices noted, except seed by the peck or bushel, which must be sent by express. We will make the following reduction on orders that are to be sent by express instead of by mail, (which is equivalent for postage): at the rate of 16 cents per pound, and 20 cents per quart.

For description of new and desirable varieties, see "NOVELTIES IN VEGETABLE SEEDS," preceding this list.

ARTICHOKE.

We offer two distinct species of Artichokes. The first yields immense quantities of roots much like potatoes in appearance, and would form quite a good substitute if we did not have potatoes. It is good for stock. The culture is about the same as for potatoes, except that once planted, there will enough remain in the ground after digging, for seed the next year.

The Globe Artichokes are not much grown in America. The portion used is the undeveloped flower head. It is grown from seed.

Artichoke, Jerusalem, per bushel, \$4.00; per peck, \$1 25; per quart, by mail pre-paid, 50 cents.

Globe, Seed, per lb. \$4.00; per oz. 35 cents, . . . 10

ASPARAGUS.

Sow the seed in drills, one inch deep, and rows a foot apart. In the fall or following spring, the plants can be set out in the beds, where they are expected to remain. The plants should stand one foot apart each way, and the crown should be six inches below the surface of the ground when planted. Young shoots are fit for use when a few inches long. Cover the bed before winter, with manure.

Soak the Seeds in tepid water for twenty-four hours, before sowing

Purchasing roots saves one year.

Asparagus, Colossal, per lb 75 cents; per oz.

10 cents, . . . 5

Roots—1 year old, by mail, per doz. . . . 25

1 " " " 100. . . . \$1.25

2 " " " . . . 3.00

2 " express, " . . . 1.50

BEANS.

Beans like a dry and rather light soil, though any garden soil will suit. Plant when all danger of frost is over.

DWARF OR SNAP VARIETIES.

Beans, Early Rachel, the earliest, per bush.

\$5.00; per peck \$1.25; per qt. 50 cents, . . . 10

Early Mohawk, hardy and productive, per bush.

\$6.00; per peck \$1.50; qt. 50 cents, . . . 10

Golden Wax, (See Novelties) per peck \$3.00;

per qt. 75 cents; per pt. 40 cents, . . . 10

Refugee, or Thousand to One, grown as a

main crop, not early, per bush. \$6.00; per peck

\$2.00; per qt. 50 cents, . . . 10

Wax or Butter, pods waxy yellow, seeds black

when ripe, fine quality, per bush. \$9.00; per

peck \$3.00; per qt. 70 cents, . . . 10

White Wax, Superior quality, (See Novelties)

per peck \$3.00; per qt. 75 cents, . . . 10

White Marrowfat, first class shell bean, either

green or dry, per bush. \$5.00; per peck \$1 50;

per qt. 30 cents, . . . 10

RUNNING BEANS.

Dreer's Improved Lima, (See Novelties), per

qt. \$1.00, . . . 15

Horticultural or Speckled Cranberry, popular

variety for private use, per bush. \$5.00; per

peck \$2.00; per qt. 60 cents, . . . 10

German Wax, Black seeded, one of the best,

per bush. \$3.00; per peck \$2.50; per qt. 75

cents, . . . 10

Giant Wax, very productive, delicious when

cooked tender, per bush. \$12.00; per peck \$3.50;

per qt. 75 cents, . . . 10

Beans, Large Lima, the most buttery and delicious of all the pole varieties, universally grown, per bush. \$13.00; per peck \$3.75; per qt. 75 cents, . . . 10

Scarlet Runner, favorite Snap Bean in Europe, per bush. \$8.00; per peck \$2.50; per qt. 70 cents, . . . 10

BEETS.

The beet is a valuable vegetable, both for the table and for stock. Culture for beets is so very simple that we will not waste our space.

Beets, Egyptian Blood Turnip, the earliest variety grown, per lb. \$1.00; per oz. 10 cents, . . . 5

Extra Early Bassano, an early, good variety, very juicy and tender, flesh rose color, grows to large size and when sown late keeps well in the winter, per lb. 75 cents; per oz. 10 cents, . . . 5

Early Blood Turnip, Smooth, tender, and good, about ten days later than Bassano, per lb. 75 cents; per oz. 10 cents, . . . 5

Pineapple, an English variety of rich, deep crimson color, per lb. \$2.00; per oz. 20 cents, . . . 10

Long Blood Red, a popular winter sort, sweet and tender; per lb. 75 cents; per oz. 10 cents, . . . 5

Imperial Sugar, the sweetest and best Sugar Beet; per lb. 75 cents; per oz. 10 cents, . . . 5

Swiss Chard, used only as greens; per lb. \$1.00; per oz. 15 cents, . . . 10

MANGEL WURTZELS—USED FOR CATTLE.

Carter's Mammoth Long Red, very large and of good quality; per lb. 75 cents; per oz. 10 cents, . . . 5

Carter's Improved Orange Globe, best round Mangel; per lb. 75 cents; per oz. 10 cents, . . . 5

BORECOLE or KALE.

The Kales are more hardy than the Cabbage, standing more frost, they do not form heads, but furnish abundance of pretty, curly leaves, that are highly prized by the cottagers of Europe. Culture same as Cabbage.

Borecole, Dwarf German Greens, bright green, fine flavor; per lb. \$1.50; per oz. 15 cents, . . . 5

Green Curled or Scotch Kale, dwarf, nicely curled; per lb. \$1.50; per oz. 15 cents, . . . 5

BROCOLI.

Brocoli resembles the Cauliflower so much that it can hardly be distinguished from it. It is more hardy than cauliflower, as it delights in cold weather sooner than our extreme summer heat.

Brocoli, Purple Cape, one of the most certain to head; per oz. 50 cents, . . . 10

BRUSSELS SPROUTS.

The culture is the same as for Cabbage. Brussels Sprouts are becoming much liked wherever tried in this country.

Brussels Sprouts, per lb. \$1.50; per oz. 15 cents, . . . 5

CABBAGE.

The Cabbage requires a deep, rich soil, and thorough working. For early crops the seed should be sown in September; in four or five weeks after sowing, the plants should be pricked out in cold frames. In the spring, plants wintered in this way can be set out just as soon as the ground can be worked, when set so early the plants should be set down to the leaves, so that

the stem is all under ground, early varieties should be set in rows two feet apart and 18 inches between the plants. Late varieties should be sown in May, in seed beds and transplanted in June and July, in rows three feet apart and two feet between the plants.

Cabbage, Early Dwarf York , small, very early;	
per lb. \$1.50; per oz. 15 cents,	5
Large York , larger than the above; per lb.	
\$1.50; per oz. 15 cents,	5
Jersey Wakefield , best early variety; per lb.	
\$5.00; per oz. 50 cents,	10
Henderson's Early Summer , (See Novelties)	
per lb. \$5.00; per oz. 50 cents,	10
Winningstadt , hardy, sure to head; per lb.	
\$2.50; per oz. 25 cents,	5
Marblehead Mammoth , late varieties, the	
largest, per lb. \$4.00; per oz. 40 cents,	10
Large Late Drumhead , per lb. \$2.00; per oz.	
20 cents,	5
Premium Flat Dutch , best variety for all pur-	
poses, the seed is very select, per lb. \$2.00;	
per oz. 20 cents,	5
Fottler's Improved Brunswick , excellent sec-	
ond early variety; per lb. \$4.00; per oz. 40	
cents,	10
Drumhead Savoy , per lb. \$1.50; per oz. 15	
cents,	5
Red Dutch , used for pickling; per lb. \$2.50;	
per oz. 25 cents,	5

CARROTS.

Sow in drills an inch deep, drills one foot apart. Thin out to three or four inches apart.

Carrot, Early French Short Horn , best for	
table use; per lb. \$1.50; per oz. 15 cents,	5
Altringham , large red; per lb. \$1.25; per oz.	
15 cents,	5
Large Orange Belgian Green-Top , best for	
stock; per lb. \$1.00; per oz. 10 cents,	5

CAULIFLOWER.

Culture about the same as Cabbage. The Cauliflower delights in a cool, moist atmosphere and a deep rich soil.

Cauliflower, Early Paris , early, small; per oz.	
\$1.00,	10
Erfurt Extra Early Dwarf , the earliest vari-	
ety grown, sure to head; per oz. \$1.50,	10
Lenormand's Short-Stemmed , large, late va-	
riety; per oz. \$1.25,	10

CELERY.

Sow seed in a hot-bed or cold frame. When plants are three inches high, transplant to a well prepared bed, setting them four inches apart each way. Cut off the tops with a shears a few times to cause them to become stocky plants. Transplant in trenches, when plants get six inches high, from June to first of August.

Keep them growing rapidly by giving good culture, earth up a little during the summer and fall. Never hoe or earth up in moist weather. To preserve for winter, pack in trenches or cellar.

Celery, Golden Dwarf , (See Novelties), per lb.	
\$5.00; per oz. 50 cents,	10
Turner's Incomparable Dwarf White , best	
dwarf; crisp and tender; per lb. \$3.00; per	
30 cents,	5
Boston Market , much prized for market; per	
lb. \$3.00; per oz. 30 cents,	5
Sandringham Dwarf White , fine flavor;	
per lb. \$1.50; per oz. 25 cents,	5
Sealey's Leviathan , very large, solid; per lb.	
\$2.00; per oz. 20 cents,	5
Turnip Rooted or Celeriac , per lb. \$2.25;	
per oz. 25 cents,	5

CHICORY.

Used to mix with, or as a substitute for Coffee, culture the same as for Carrots.

Chicory, Large Rooted , per lb. \$1.25; per oz.	
20 cents,	5

CHIVES.

The Chives belong to the Onion family; hardy everywhere. They make a fine border for beds in a vegetable garden, and are equal to the Onion for flavoring soups and salads. They are propagated by divisions of the roots.

Roots , per bunch,	25
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CORN.

Select a warm soil for Sweet Corn if possible, especially for earlier sorts. Plant when weather becomes settled and warm, for there is no vegetable that is stunted so easily by cold, as Corn.

Corn, Early Minnesota , by far the earliest Sweet	
Corn grown; per bush \$4.50; per peck \$1.25;	
per qt. 50 cents,	10
Crosby's Early , a desirable sort, to come be-	
tween the early and late varieties; per bush.	
\$1.50; per peck \$1.25; per qt. 50 cents,	10
Moore's Early Concord , ears large and of	
fine quality; per bush. \$4.50; per peck \$1.25,	
per qt. 50 cents,	10
Stowell's Evergreen Late , select; per bush.	
\$1.50; per peck \$1.25; per qt. 50 cents,	10
Parching, Best White , per bush. \$4.00; per	
peck \$1.25; per qt. 50 cents,	10
Early Market , not sweet, white; ten days ear-	
lier than Early Minnesota; per bush. \$4.00;	
per peck \$1.25; per qt. 50 cents,	10

CORN SALAD.

Seed sown in August and protected by leaves during winter, will be ready for early spring use. Sow in rows like Lettuce.

Corn Salad , per lb. \$1.00; per oz. 10 cents,	5
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CUCUMBER.

Plant when all danger of frost is over, in well prepared hills four feet apart each way. When all danger from insects is past, thin out to three or four plants in a hill.

Cucumber, Early Russian , very early and pro-	
ductive, growing in pairs; per lb. \$1.25; per oz.	
15 cents,	5
Early Green Cluster , productive; per lb. \$1.00;	
per oz. 10 cents,	5
Early Frame , good for pickling; per lb. \$1.00;	
oz. 10 cents,	5
Early White Spine , excellent table sort, very	
productive; per lb. \$1.00; per oz. 10 cts,	5
Improved Long Green , the best for pickling;	
per lb. \$1.00; per oz. 10 cents,	5
Bedfordshire Surprise , good for forcing; per	
oz. 50 cents,	10
West India Gherkin or Burr , used only for	
pickles; per lb. \$2.50; per oz. 25 cents,	10

CRESS.

A well known pungent salad. Requires to be sown thickly (and covered very slightly,) at frequent intervals, to keep up a succession of crops, as it soon runs to seed.

Cress, Fine Curled , may be cut several times; per	
lb. 60 cents; per oz. 10 cents,	
Perennial American , resembles the water	
cress; per lb. \$1.00; per oz. 10 cents,	5
Water , grows, freely along running streams,	
ditches, or ponds; per lb. \$5.00; per oz. 50 cts.	10

DANDELION.

Cultivated for spring greens, the roots when dried and roasted, are often employed as a substitute for Coffee.

Dandelion , per lb. \$3.00; per oz. 30 cents,	5
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EGG PLANT.

Seed should be sown in hot-bed. Plant out June 1st, two feet apart.

Egg Plant, Improved New York Purple ,	
large and fine, the best; per oz. 50 cents,	10
Black Pekin , jet black, round, and very solid;	
per oz. 65 cents,	10

NELLIS' FLORAL INSTRUCTOR.

ENDIVE.

Endive is one of the best salads for fall and winter use; for fall use, sow in June or July.

Endive, Green Curled, very hardy; per lb. \$2.00; per oz. 20 cents. 5
Batavian, chiefly used in soups and stews; per lb. \$2.50; per oz. 25 cents. 5

GARLIC.

Used for flavoring soups, stews &c. Thrives best in a light, rich soil.

Garlic Sets, per lb. 50 cents.

KOHL RABI.

A vegetable intermediate between the cabbage and turnip. Sow the seed and transplant the same as late cabbage.

Kohl Rabi, Large Early Purple, fine and tender; per lb. \$2.50; per oz. 25 cents. 5
Large Early White, same as above, except color; per lb. \$2.50; per oz. 25 cents. 5

LEEK.

Prized by some for soups, and is thought, for this purpose to be superior to Onions. Sow in seed bed and transplant in July.

Leek, Broad Flag, per lb. \$1.25; per oz. 15 cts. 5

LETTUCE.

Sow early in the spring in a sheltered location, plants can be kept during winter in cold frames For successive crops, sow every few weeks.

Lettuce, Nellis' Perpetual, (See Novelties); per oz. \$2.00. 25
All the Year Round, in perfection a long time; per oz. 25 cents. 5
Early Egg, very early, the best for forcing; per oz. 25 cents. 5
Early Tennis Ball, a good heading variety; per oz. 25 cents. 5
Neapolitan Cabbage, very large; per oz. 25c. 5
Malta Drumhead, or Ice Cabbage, oz. 25c. 5
White Silesian, rather loose heads; oz. 25c. 5
Giant White Cross, large and tender; oz. 30c. 5
Cut Leaved, new, handsome. 10

MARTYNIA.

The undeveloped seed pods, when tender, are used for pickling. Sow in May and transplant two feet apart.

Martynia Proboscidea, per lb. \$3.00; per oz. 30 cents. 5

MELONS.

The melon being of a tropical origin, comes to perfection only in a warm temperature. For the north it is advisable to secure the early varieties. A poor sandy soil will ripen them good, but they should be planted in well enriched hills.

MUSK MELONS.

Musk Melon, New Surprise, (See Novelties); per lb. \$5.00; per oz. 50 cents. 10
Early Christina, early, yellow fleshed, per lb. \$1.50; per oz. 15 cents. 5
Skillman's Fine Netted, early, green flesh, sweet and excellent; per lb. \$1.00; per oz. 10 cts. 5
Prolific Nutmeg, hardy, sweet; per lb. \$1.00; per oz. 10 cents. 5
Green Citron, thick flesh, delicious flavor; per lb. \$1.00; per oz. 10 cents. 5
White Japan, early, medium size, good market sort; per lb. \$1.25; per oz. 15 cents. 5
Casaba, large variety of splendid flavor; per lb. \$1.25; per oz. 15 cents. 5
Pomegranate, very fragrant and ornamental, but not edible; per oz. 50 cents. 10

WATER MELON.

Water Melon, Mountain Sweet, the best variety for the north, very early; per lb. 75 cents; per oz. 10 cents. 5
Black Spanish, an old, rich variety; per lb. \$1.00; per oz. 10 cents. 5

Water Melon, Phinney's Early, flesh deep red, fine flavor, great market sort; per lb. \$1.00; per oz. 10 cents. 5
Vick's Early, solid, very early; per lb. \$1.25; per oz. 15 cents. 5
Citron, for preserves; per lb. \$1.25; per oz. 15 cents. 5

MUSTARD.

Very hardy, seed can be sown as soon as the frost is out of the ground. The young leaves are used for salads. Grows very rapidly.

Mustard, White, best for salad; per lb. 50 cts.; per oz. 10 cents. 5
Chinese, large leaves, prized for salads; per lb. 60 cents; per oz. 10 cents. 5
Black, strong; per lb. 50 cents; per oz. 10 cents. 5

MUSHROOMS.

Mushrooms can be grown in any dark room or cellar, where the temperature can be kept from fifty to sixty degrees. Procure soil from some old pasture, to one bushel of this add two bushels of fresh horse manure. Mix well and then prepare a bed, say four feet wide, put this on in thin layers and pound each one hard, until the bed is about eight inches thick. When the heat reaches 85 or 90 degrees, make holes a foot apart and put in the spawn, two or three pieces in a hole, the size of hickory nuts. Cover the holes and press the soil solid and smooth. Cover the whole bed in about twelve days, with two inches of fresh loam and over this place six inches of straw or hay.

Mushroom Spawn, per lb. by mail. 30
 Per 8 lbs., by express, not paid. 1.00

OKRA.

Extensively grown in the Southern States. Sow when the weather is warm, in drills, two inches deep, setting the plants from two to three feet apart. The green seed pods are used in soups, stews, &c., and are believed to be very nutritious.

Okra, Dwarf White, earliest and best variety; per lb. 80 cents; per oz. 10 cents. 5

ONIONS.

The Onion thrives best in a strong, rich, loamy soil, unlike most Vegetables, it succeeds best when cultivated on the same ground for a succession of years. Sow very early in the spring, in drills a quarter of an inch deep and one foot apart.

Onion, Wethersfield Red, best for general crop; per lb. \$2.50; per oz. 25 cents. 10
Danvers Yellow, large, very choice; per lb. \$5.00; per oz. 40 cents. 10
White Globe, large white onion; per lb. \$4.00; per oz. 40 cents. 10
New Giant Rocca, of Naples, a new Italian variety, sometimes weighing three pounds; per lb. \$4.00; per oz. 40 cents. 10
New Queen, early Italian sort, pure white; per lb. \$6.00; per oz. 50 cents. 10

PARSLEY.

Seed germinate slowly. Soak the seed in hot water twenty-four hours in a warm place.

Parsley, Carter's Moss Curled, a superior variety; per lb. \$1.00; per oz. 10 cents. 5
Double Curled, per lb. \$1.00; per oz. 10 cents. 5

PARSNIP.

Sow early in spring, in drills, eighteen inches apart, covering half an inch deep. When up, thin out to five or six inches apart in the rows. For spring use, the roots can remain in the ground over winter.

Parsnip, Long Hollow Crown, the best grown; per lb. 80 cents; per oz. 10 cents. 5

PEAS.

Early peas succeed best in a light rich soil, sow in drills four inches deep, as early in the spring as possible, two feet apart. Give later varieties more room.

FIRST EARLY.

Peas, Carter's First Crop, one of the earliest; two and one-half feet; per bush. \$8.00; per peck \$2.25; per qt. 60 cents. 10
Mc Lean's Little Gem, green wrinkled, very early, good flavor, the best; one foot; per bush. \$8.00; per peck \$2.25; per qt. 60 cents. 10
Early Kent, market sort; three feet; per bush. \$7.00; per peck \$2.00; per qt. 50 cents. 10
Tom Thumb, very dwarf, eight to ten inches; per bush. \$10.00; per peck \$3.00; per qt. 60c. 10
Caractacus, good and productive; per bush. \$7.00; per peck \$2.00; per qt. 50 cents. 10

SECOND EARLY.

Laxton's Alpha, an excellent wrinkled marrow; thirty inches; per bush. \$10.00; per peck \$3.00; per qt. 60 cents. 10
Mc Lean's Advancer, green wrinkled variety of delicious flavor; two feet; per bush. \$10.00; per peck \$3.00; per qt. 60 cents. 10

LATE CROP.

Blue Imperial, a good bearer, three feet; per bush. \$7.00; per peck \$2.00; per qt. 50 cents. 10
Champion of England, five feet high, rich, sweet and very popular; per bush. \$7.00; per peck \$2.00; per qt. 50 cents. 10
Dwarf Sugar, three feet; pods skinless and edible; per peck \$4.00; per qt. 80 cents. 15
Fall Sugar, five feet; edible pods, very large; per peck \$4.00; per qt. 80 cents. 15

PEPPER.

Grown largely for pickles. Sow in hot-bed early in April and transplant to the open ground when the weather is warm, in rows eighteen inches apart.

Pepper, Large Bell, very mild; per oz. 25 cts. 5
Sweet Mountain or Mammoth, best for stuffing; per oz. 30 cents. 5
Long Red, productive and pungent; oz. 25c. 5
Cayenne, Cayenne Pepper of commerce; oz. 30c. 5
Cherry Formed, productive, very hot; oz. 30c. 5

PUMPKIN.

Pumpkins are now principally cultivated for agricultural purposes, they are usually planted in fields of corn.

Pumpkin, Large Cheese, large, reddish orange, per lb. \$1.00; per oz. 10 cents. 5
Cushaw, solid flesh, winters well; per lb. \$1.00; per oz. 10 cents. 5
Connecticut Field, very productive; per lb. 70 cents; per oz. 10 cents. 5

RADISHES.

Radishes thrive best in a rich, sandy loam; for a succession, sow from April to September.

SUMMER VARIETIES.

Radish, Long Scarlet Short-Top, a favorite market sort; per lb. \$1.00; per oz. 10 cents. 5
French Breakfast, quick growth, very mild and tender; per lb. \$1.25; per oz. 15 cents. 5
Rose Olive-Shaped, very tender and excellent; per lb. \$1.00; per oz. 10 cents. 5
Scarlet Olive-Shaped, same as above except color; per lb. \$1.00; per oz. 10 cents. 5

WINTER VARIETIES.

Chinese Rose Winter, sow in summer the same as Turnips; per lb. \$1.25; per oz. 15 cts. 5
Chinese White Winter, different from the above only in color; per lb. \$1.25; per oz. 15 cts. 5
Black Spanish Winter, Round, favorite winter variety; per lb. \$1.25; per oz. 15 cents. 5
Black Spanish Winter, Long, same as above except shape; per lb. \$1.25; per oz. 15 cents. 5

RHUBARB.

Commonly known as Pie-Plant; grown from division of roots, or seed; it will thrive under most any treatment if the soil is rich and moist.

Rhubarb, Myatt's Victoria; per oz. 25 cents. 5
Linnæus, early, large; per oz. 25 cents. 5
Roots, per doz. \$2.50; each, 25 cents. 5

SALSIFY.

Commonly known as Oyster Plant. Sow early in spring on well enriched, mellow soil, in drills one inch deep and 18 inches apart. Thin out plants to six inches in a row. For spring use they can remain in the ground during winter.

Salsify, or Oyster Plant, per lb. \$2.00; oz. 20 cts. 5
Black or Scorzonera, per oz. 30 cents. 10

SEA KALE.

Cultivated for its blanched shoots, which are cooked like Asparagus. Sow one inch deep in drills two feet apart, thin out to six inches, and the next spring plant in hills three feet apart.

Sea Kale, per oz. 30 cents. 10

SPINACH.

For spring use sow on the fall, in good, drained soil in drills one foot apart. Give a slight protection during winter. For summer use, sow early in the spring.

Spinach, Savoy Leaved, (See Novelties); per lb. \$1.00; per oz. 10 cents. 5
Round, or Summer, the main market sort; per lb. 75 cents; per oz. 10 cents. 5
Prickly, or Fall, stands the winter well; per lb. 75 cents; oz. 10 cents. 5

SQUASH.

Plant when weather is warm in well manured hills, from four to eight feet apart each way, according to the variety.

SUMMER.

Squash, Early Bush Scollop, very productive; per lb. 80 cents; per oz. 10 cents. 5
Early Bush Crook-Necked, very early and rich; per lb. 80 cents; per oz. 10 cents. 5

WINTER.

Hubbard, an excellent squash; per lb. \$1.25; per oz. 15 cents. 10
Marblehead, resembles the Hubbard; per lb. \$1.25; per oz. 15 cents. 10
Boston Marrow, very prolific sort; good for pies; per lb. \$1.25; per oz. 15 cents. 10
Turban, or Turk's-Cap, a good Fall and early winter sort; per lb. \$1.25; per oz. 15 cents. 10
Mammoth Chili, (See Novelties); per lb. \$2.00; per oz. 20 cents. 10

TOMATO.

To obtain fruit early, sow seed in hot-bed or house, in March. Plants should be transplanted in boxes three or four inches apart, when a few weeks old; give plenty of air until time for setting out. Transplant in the open ground the middle of May, in hills four feet apart each way; ripen best on sandy soil.

Tomato, Hubbard's Curled Leaf, the earliest, some specimens irregular; per lb. \$3.00; per oz. 25 cents. 5
Canada Victor, early; per lb. \$3.00; oz. 25c. 5
Conqueror, has nothing to recommend it except its earliness; per lb. \$2.50; per oz. 25c. 5
General Grant, good size, rather flat; per lb. \$2.50; per oz. 25 cents. 5
Hathaway's Excelsior, smooth as an apple, very solid and of excellent quality; per lb. \$3.00; per oz. 25 cents. 5
Acme, new, (See Novelties); per lb. \$5.00; per oz. 40 cents. 10
Paragon, new, large, deep red; per lb. \$3.00; per oz. 25 cents. 5
Green Gage, new, smooth, orange colored; per lb. \$3.00; per oz. 25 cents. 5
Trophy, very large, the best late Tomato; per lb. \$3.50; per oz. 30 cents. 5
Persian, the best yellow variety; per lb. \$3.00; per oz. 25 cents. 5
Pear Shaped, yellow, fine for preserving; per lb. \$3.00; per oz. 25 cents. 5
Cherry Red, for preserving and pickling; per lb. \$3.00; per oz. 25 cents. 5

TURNIP.

Turnips are divided into two classes; English and Ruta Baga. The former comes to perfection in a short time and can be planted as late as the middle of September. Ruta Bagas should be sown in June; they are extensively grown as a farm crop.

ENGLISH TURNIPS.

Turnip, Early White Flat Dutch, grows quick; per lb. 75 cents; per oz. 10 cents; . . .	5
Strap-Leaved Red-Top, similar to the above; per lb. 75 cents; per oz. 10 cents; . . .	5
Amber Globe, known by some as golden ball; excellent; per lb. 75 cents; oz. 10 cents; . . .	5
White Globe, large, fine for field culture; per lb. 75 cents; per oz. 10 cents; . . .	5
Yellow Aberdeen, hardy and productive; per lb. 75 cents; per oz. 10 cents; . . .	5

RUTA BAGA OF SWEDS.

Ruta Baga, White Sweet, sometimes called White Russian, large; per lb. \$1.00; per oz. 10c.	5
Laing's Purple Top, good keeper; per lb. \$1.00; per oz. 10 cents; . . .	5

HERBS.

No garden is complete without a few sweet, aromatic or medicinal herbs, for culinary or medicinal purposes; and care should be taken to harvest them properly. This should be done on a dry day, just before they come in full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring in shallow drills, one foot apart; and when well up thin out or transplant to a proper distance apart. All the varieties; per packet 5 cents, except TARRAGON which is 20 cents.

Anise	Hyssop.
Balm.	Lavender.
Basil, Sweet.	Marjoram, Sweet.
Benc.	Rosemary.
Borage.	Rue.
Caraway.	Saffron.
Catnip.	Sage.
Coriander.	Savory, Summer.
Cumin.	Savory, Winter.
Dandelion.	Tarragon, pkt. 20c.
Dill.	Thyme.
Fennel, Large Sweet.	Wormwood.
Hoarhound.	

GRASSES AND CLOVER.

Four bushels of Grass Seed an acre are required to make a good lawn in a short time. 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 this add a little White Clover and Sweet Vernal Grass. Our preparation of Lawn Grass is as good as can be.

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 or lb. we prepay postage.

Crested Dog's Tail, per qt. 75 cents.
Kentucky Blue Grass, clean seed; per bush. \$2.00; per peck, 60 cents; per qt. 20 cents.
Orchard Grass, per bush. \$3.00; per peck \$1.00; per qt. 35 cents.

Red Top, per bush. \$1.50; per peck 50c.; per qt. 20c.
Sheep's Fescue, per qt. 35 cents.
Slender-Leaved Fescue, per qt. 35 cents.
Sweet Vernal Grass, per lb. \$1.00; per oz. 10 cents.
Lawn Grass, fine mixed; per bush. \$3.00; per peck 90 cents; qt. 25 cents.

Clover, Alsike, per 100 lbs. \$25.00; per lb. 50 cents; per oz. 10 cents.

White, per 100 lbs. \$40.00; per lb. 60 cents; oz. 10c.
Lucerne, per 100 lbs. \$35.00; per lb. 65 cts.; oz. 10c.
Italian, or Scarlet, per 100 lbs. \$25.00; per lb. 50c.; per oz. 10 cents.

Alfalfa, per 100 lbs. \$35.00; per lb. 65 cts.; oz. 10c.
Sainfoin, per 100 lbs. \$20.00, lb. 60 cts.; oz. 10c.
Spring Vetches, or Tares, per 100 lbs. \$10.00; per lb. 35 cents.

HEDGE SEEDS.

Osage Orange, per lb. 75 cents; per oz. 10 cents.
Honey Locust, per lb. 75 cents; per oz. 10 cents.

GRAIN.

Chinese Hullless Oats, the berry comes from the heads as clean as wheat, without the least particle of hull or chaff adhering. The grain is as white as Winter Wheat, and the heads are large and white. These oats should be sown at the rate of 30 lbs. to the acre, and will yield from 30 to 60 bushels per acre in good soil. By mail, 40 cents per lb., or three lbs. for \$1.00; or by express, per peck 75 cents; per bushel \$2.00.

Buckwheat, Silver Hulled, this variety after being carefully tested, has proved to be much superior to the common kind. Sown at the same time as common Buckwheat, it continues in bloom longer, matures a few days sooner, and yields more under the same conditions. The grain is of a beautiful light gray color, varying slightly in shade, and the corners are much less prominent than in the ordinary variety, while the husk is thinner. The flour is white and nutritious. Price per bushel, \$2.00; 4 lbs. by mail, \$1.00.

MISCELLANEOUS.

Celery Seed, for flavoring; per lb. 60 cents.
Sunflower, New Mammoth Russian, per bush. \$3.00; per peck \$1.00; per lb. pre-paid, 60 cts.

USEFUL TABLES.

Quantity of Seeds required for a given number of Plants, Hills, or Length of Drill.

	1 oz.	to	60 ft. of drill
Asparagus.	1 oz.	"	50 "
Beet.	1 qt.	"	100 "
Beans, Dwarf.	1 qt.	"	150 hills
Beans, Pole.	1 qt.	"	150 ft. of "
Carrot.	1 oz.	"	50 hills
Cucumber.	1 qt.	"	200 hills
Corn.	1 oz.	"	150 ft. of drill.
Endive.	1 oz.	"	100 "
Leek.	1 oz.	"	30 hills
Melon, Water.	1 oz.	"	60 hills
Melon, Musk.	1 oz.	"	40 ft. of drill
Okra.	1 oz.	"	100 "
Onion.	1 qt.	"	40 "
Onion Sets, small.	1 qt.	"	150 "
Parsley.	1 oz.	"	200 "
Parsnip.	1 qt.	"	100 "
Peas.	1 oz.	"	100 ft. of drill
Radish.	1 oz.	"	70 "
Salsify.	1 oz.	"	100 "
Spinach.	1 oz.	"	50 hills
Squash, Early.	1 oz.	"	16 "
Squash, Marrow.	1 oz.	"	150 ft. of drill
Turnip.	1 oz.	"	2000 plants
Cabbage.	1 oz.	"	3000 "
Cauliflower.	1 oz.	"	3000 "
Celery.	1 oz.	"	1000 "
Lettuce.	1 oz.	"	1500 "
Pepper.	1 oz.	"	
Tomato.	1 oz.	"	

WHEN TO SOW VEGETABLE SEEDS.

Vegetable seeds that may be sown in this latitude, from the first of April to the middle of May, thermometer in the shade averaging 45 degrees.

Beets.	Cabbage.	Lettuce.	Peas.
Carrot.	Cauliflower.	Parsley.	Radish
Cress.	Endive.	Parsnip.	Turnip.
Celery.	Kale.	Onions.	Spinach

Vegetable seeds that may be sown in the open ground in this latitude, from the middle of May to the middle of June, thermometer in the shade averaging 60 degrees

Lima Beans.	Cucumber.	Pumpkin.
Bush Beans.	Musk Melon.	Tomato.
Pole Beans.	Water Melon.	Squash
Sweet Corn.	Okra.	Nasturtium.

INDEX.

Abronia	7	Cineraria	23
Abutilon	22	Clarkia	10
Acroclitium	18	Clematis	24
Adlumia	20	Cleome	10
Adonis	7, 20	Clianthus	23
Ageratum	7	Climbing Bittersweet, see <i>Celastrus scandens</i>	24
Agrostemma	7	Cobaea	17
Agrostis	19	Cockscomb, see <i>Celosia</i>	9
Akebia	24	Coix	19
Alonsoa	7	Coleus	23
Althea	24	Coliseum Ivy, see <i>Linaria cymbalaria</i>	23
Alyssum	7, 20	Collinsia	19
Amaranth, Globe, see <i>Gomphrena</i>	18	Columbine, see <i>Aquilegia</i>	20, 24
Amaranthus	7	Convolvulus	10, 17, 23
Ammobium	18	Coral plant, see <i>Erythrina</i>	21
Ampelopsis	23	Crepis	10
Anagallis	7	Crucianella	20
Andropogon	19	Cuphea	23
Anemone	20, 23	Cyclamen	23
Antirrhinum	7	Cypress, Standing, see <i>Ipomopsis</i>	21
Aquilegia	20, 24	Cypress-Vine, see <i>Ipomæa quamoclit</i>	17
Argemone	7	Dahlia	22
Aristolochia	24	Daisy, Double	10, 24
Armeria maritima, see Thrift	25	Daisy Swan River, see <i>Brachycome</i>	8
Artemisia, see <i>Chrysanthemum</i>	23	Datura	10
Arundo	19	Day Lily	24
Asperula	7, 20	Delphinium	10, 20, 24
Aster	8	Deutzia	24
Astilbe	24	Dew-Plant, see <i>Mesembryanthemum tricolor</i>	12
Avena	19	Dianthus	10, 20
Azalea	22	Dicentra	24
Bachelor's Button, see <i>Centaurea Cyanus</i>	9	Dictamnus	21
Balloon-Vine see <i>Cardiospermum</i>	16	Diciscus	10
Balsam	8	Digitalis	21
Bartonia	8	Dolichos	17
Bear-Grass, see <i>Yucca</i>	22	Dusty Miller, see <i>Cineraria maritima</i>	23
Begonia	22	Dutchman's Pipe, see <i>Aristolochia Siphon</i>	24
Bellis, see Double Daisy	10, 24	English Clover, see <i>Gomphrena</i>	13
Bignonia	24	Erianthus	19, 24
Bittersweet, Climbing, see <i>Celastrus scandens</i>	24	Erysimum	11
Bleeding Heart, see <i>Dicentra</i>	24	Erythrina	21
Boston Smilax	23	Eschscholtzia	10
Brachycome	8	Eucalyptus	21
Briza	19	Eupatorium	21
Brizopyrum	19	Euphorbia	11
Bronx	19	Eutoca	11
Browallia	8	Evening Primrose, see <i>Oenothera</i>	13
Bryonopsis	17	Feather Grass, see <i>Stipa pennata</i>	19
Cacalia	8	Fenzlia	11
Calabash Gourd	17	Feverfew, see <i>Pyrethrum</i>	12, 21
Calamellis	17	Flora's Paint Brush, see <i>Cacalia coccinea</i>	8
Calandrinia	22	Flowering Flax, see <i>Linum</i>	11, 21
Calceolaria	22	Flowering Maple, <i>Abutilon</i>	22
Calendula	9	Flowering Peas	17
California Poppy, see <i>Eschscholtzia</i>	10	Flowering Sage, see <i>Salvia</i>	15, 23
Calliopsis	9	Forget-me-not, see <i>Myosotis</i>	24
Callirhoe	9	Foundation Plant, see <i>Amaranthus salicifolius</i>	7
Calycanthus	9, 20, 23	Four o'clock, see <i>Mirabilis Jalapa</i>	12
Campanula	9, 20	Foxglove, see <i>Digitalis</i>	21
Candytuft	9, 20	French Honeysuckle, see <i>Hedysarum</i>	21
Canna	9	Fuchsia	23
Canterbury Bell, see <i>Campanula Medium</i>	20	Funkia, see <i>Day Lily</i>	24
Cardiospermum	16	Gaillardia	11
Carnation	20, 23	Geranium	23
Cassia	9	Gilia	11
Castor-Oil Bean, see <i>Ricinus</i>	15	Gillflower, see <i>Stock</i>	15, 22
Catchfly	9	Gladiolus	22
Celastrus	24	Glaucium	11, 23
Celosia	9	Globe Amaranth, see <i>Gomphrena</i>	18
Centaurea	9, 23	Gloxinia	23
Centranthus	10	Godetia	11
Cerastium	23	Gold Dust, see <i>Alyssum saxatile</i>	20
Cerithe	10	Gomphrena	18
Chamaepeuce	13	Go-rd, Ornamental	17
Chinese Primrose, see <i>Primula Sinensis</i>	23	Gynerym	19
Chloris	19	Gypsophila	13, 24
Chrysanthemum	23	Hare's-tail Grass, see <i>Lagurus ovatus</i>	19
Chrysanthus	13	Hearts-ease, see <i>Pansy</i>	13, 25
Cigar Plant, see <i>Cuphea platycentra</i>	23	Hedera, see <i>Ivy</i>	25
		Hedgehog, see <i>Melicago</i>	13
		Hedysarum	21

Helianthus	11	Perilla	14
Helichrysum	18	Periwinkle, see Vinca	16
Heliotrope	23	Petunia	14
Helipterum	18	Phacelia	14
Hercules' Club	17	Phlox Drummondii	14
Hibiscus	11, 23	Phlox Perennial	25
Hollyhock	21, 24	Picotee	20
Honesty	21	Pink, Chinese, see Dianthus	10
Honeysuckle	25	Polemonium	21
Honeywort	10	Polyanthus, see Primula elatior	21
Hordeum	19	Poppy, Annual	14
Humea	23	Poppy, California, see Eschscholtzia	10
Hunnemannia	17	Poppy, Prickly, see Argemone	7
Hydrangea	25	Portulaca	14
Iberis, see Candytuft	9, 20	Pot Marigold, see Calendula	9
Ice-Plant, see Mesembryanthemum crystallinum	12	Primrose, Chinese, see Primula Sinensis	23
Impatiens, see Balsam	8	Primrose, English, see Primula vulgaris	21
Imperial Pink, see Dianthus imperialis	10	Primrose, Evening, see Enothera	13
Indian Shot, see Canna	9	Primrose, Garden, see Primula auricula	23
Ipomœa	17	Primula	21, 23
Ipomopsis	21	Prince's Feather, see Amaranthus cruentus	7
Isolepis	19	Pyrethrum	21
Ivy	25	Reseda, see Mignonette	12
Kaulfussia	11	Rhodanthe	19
Kenilworth Ivy, see Linaria Cymbalaria	23	Ricinus	15
Lagurus	19	Rocket	22
Lamarckia, see Chrysurus	19	Salpiglossis	15
Lantana	23	Salvia	15, 23
Larkspur, see Delphinium	10, 20, 24	Sanvitalia	15
Lathyrus latifolius, see Perennial Peas	21, 25	Saponaria	15
Lathyrus odoratus, see Sweet Peas	17	Scabiosa	15
Lavatera	11	Schizanthus	15
Leptosiphon	11	Sedum	15
Lillies	25	Senico	15
Lily of the Valley	25	Sensitive Plant	15
Limnanthes	11	Shaking Grass, see Briza maxima	19
Linaria	11, 23	Silene Armeria, see Catchfly	9
Linum	11, 21	Smilax	23
Loasa	17	Snails, see Medicago	12
Lobelia	11, 25	Solanum	23
Love-in-a-mist, see Nigella Damascena	13	Sphenogyne	15
Lunaria, see Honesty	21	Spice-Shrub, see Calycanthus	24
Lupinus	12	Spider-Flower, see Cleome	10
Lychnis	12	Spiræa	25
Malope	12	Spraguea	15
Marigold	12	Squirrel-tail Grass, see Hordeum jubatum	19
Martynia	12	Standing Cypress, see Ipomopsis	21
Matricaria	12	Statice	19
Maurandya	17	Stipa	19
Medicago	12	Stock	15, 16, 22
Mesembryanthemum	12	Sweet Alyssum	7
Mignonette	12	Sweet Sultan, see Centaurea	9
Mimosa, see Sensitive Plant	15	Sweet William	22
Mimulus	12	Tassel-Flower, see Cactalia coccinea	8
Mirabilis	12	Ten-Weeks Stock	15, 22
Mock Orange Gourd	17	Thrift	25
Molucca Balm	13	Thunbergia	18
Morning Glory, see Convolvulus major	17	Torenia	23
Myosotis	13	Free Cypress, see Ipomopsis	21
Myrsiphyllum, see Boston Smilax	23	Tritoma	23
Nasturtium, see Tropæolum	16, 17	Tropæolum	16, 17, 23
Nemesia	13	Trumpet Creeper, see Bignonia	24
Nemophila	13, 17	Trycholœna	19
Nerium	23	Tunica	22
Nierembergia	13	Valeriana	22
Nigella	13	Venus' Looking Glass, see Campanula speculum	9
Nolana	13	Verbena	16
Obeliscaria	13	Veronica	16, 22
Enothera	13	Vinca	16
Oleander, see Nerium Oleander	23	Viola tricolor, see Pansy	13, 25
Oxalis	23	Virginia Creeper, see Ampelopsis quinquefolia	23
Oxyura	13	Virginian Stock	16
Pæonies	25	Viscaria, see Agrostemma	7
Palafoxia	13	Waitzia	19
Panicum	19	Wallflower	22
Pansy	13, 25	Whitlavia	16
Papaver, see Poppy	21	Wigandia	16
Peas, Perennial	21, 25	Woodbine, see Ampelopsis	23
Peas, Sweet	17	Xeranthemum	19
Pelargonium, see Geranium	23	Yucca	22
Pennisetum	19	Zea	19
Pentstemon	22	Zinna	16

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