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To Friends and Customers.

It is with unusual pleasure that I publish and distribute my CATALOGUE OF SEEDS AND BULBS FOR 1883. In the last edition I noted that my sales in 1881 were nearly double those of 1880, and now I take pleasure in reporting that my trade last year was double that of 1881. This large and very gratifying increase of business, in competition with older establishments, would not have been possible without first-class seeds; and it shows that my efforts to furnish seeds that will not only grow when properly treated, but produce the choicest flowers, are appreciated. The past season in this section was, in some respects, the most singular on record. The most severe drouth we have had in a score of years was followed by warm, growing weather in the autumn, free from frost, and many kinds of seed crops, that in August promised to be a complete failure, took a new lease of life and matured crops full as good, and in some cases larger than usual.

To the many thousands who will receive this Catalogue for the first time, and have never dealt with me, I would say that the Seeds and Bulbs I offer are largely of my own growing, and no expense or pains have been spared to grow and obtain the choicest the world affords. I have endeavored to improve the most popular varieties of flowers, and among those which will be found much superior to the seed usually sold by dealers, I would call particular attention to my Asters, Balsams, China and Japan Pinks, Pansies, Petunias, Phlox Drummondii, Double Portulacca, Verbenas and Double Zinnias, which have been awarded numerous First Premiums at Fairs where I have exhibited them. Many varieties do not perfect their seed in this climate, or are better for being grown abroad, and these I obtain from the most skillful growers in England, France and Germany. I test the germinating qualities of every variety I sell, before sending out, and do not intend that a single packet of seed shall leave my hands that will fail to grow through fault of mine.

PRICES. It is my constant study to furnish the Best Seeds at the Lowest Prices, which will be found in many cases from 25 to 50 per cent. lower than in other catalogues, with which I invite a comparison. The figures on the right of the columns give the price of each variety per packet, in cents. Each packet contains from one hundred to five hundred seeds, except some of the new and scarce varieties, or those with very large seeds, which necessarily contain less. Everything offered will be sent to any part of the United States by mail, postage paid, at the prices annexed; and I will guarantee the safe delivery at your post-office of everything ordered.

How to Send Money. Money may be sent at my risk, if sent according to these directions: All sums of one dollar or over by Post Office Money Order, which is always the best way when they can be obtained; or, if a money order cannot be obtained at your office, remit in bank bills and get the letter Registered. The expense of sending by either of these ways may be selected in seeds. Sums less than one dollar may be enclosed in a letter and sent at my risk without registering. U. S. 1-cent and 2-cent postage stamps will be accepted in payment if in good condition and 8 per cent. is added to their face value, as I receive many more stamps than I can use, and have to sell them at a discount. But if stamps are used for change, please do not detach or stick them to the paper. *Canada postage stamps* are of no use to me, as we can neither use or sell them here; but *Canada currency* is always acceptable. Twenty-five cents or less in silver can be sent safely if pasted between two sheets of paper to prevent it from cutting through the envelope.

I take the greatest care in filling orders; yet it is impossible, during the hurry of the busy season, to avoid occasional mistakes; and when errors occur, please notify me at once, and I will make prompt and satisfactory correction.

While the great majority of orders are sure to reach me safely, it occasionally happens that a letter is lost or stolen, or perhaps a package fails to reach its destination. After waiting a reasonable length of time, if the seeds ordered do not arrive, then write again, *always repeating the order*, so it can be filled without further delay.

BEFORE SENDING YOUR ORDER please examine it carefully, and see that **NAME, POST OFFICE, COUNTY and STATE** are plainly written on every order. Every day during the busy season I receive letters with one and often all of these important items wanting; and then I have to wait until I receive scolding letters, and am perhaps called hard names, when the fault is entirely with the customer.

MY FLOWER GARDENS are always open to visitors, and friends are cordially invited to come and see the flowers from which I save seeds. It is a grand sight to see acres of Asters, Pansies, Petunias, Verbenas, and scores of other varieties, all in full bloom, and one worth going many miles to see. Pansies are in their glory in May and June, and most other things are in full bloom in August and September.

Early Orders.—The Seed trade of a whole year has to be done in a few months, and it will be an accommodation to me if all who can conveniently do so will kindly send their orders as early as possible, and seeds will then be on hand when wanted for sowing. All orders, whether large or small, will receive prompt attention, a ten-cent order being as carefully filled as one for ten dollars' worth of seeds.

DOLLAR COLLECTION OF SEEDS.

This collection contains the twenty-five popular varieties named below, and will be furnished for one dollar. No change can be made in the varieties at the price.

Antirrhinum (Snapdragon), tall varieties mixed; Alyssum, Sweet; Asperula azurea setosa; Aster, New Rose, mixed colors; Aster, Newest Dwarf Boquet; Calliopsis, all colors mixed; Cassia chamæcrista; Convolvulus minor (Dwarf Morning Glory); Candytuft, mixed colors; Dianthus (China and Japan Pinks), mixed varieties; Mignonette; Salpiglossis, mixed colors; *Gnothera Lamareckiana grandiflora*; Pansy, all varieties mixed; Petunia, finest mixed; Phlox Drummondii, all varieties mixed; Portulacca, Double Rose-flowered, mixed colors; Verbena hybrida, choicest mixed; Whitlavia, mixed colors; Zinnia, Double, choicest mixed colors; Helichrysum monstrosum, mixed colors; Morning Glory, mixed colors; Gourds, Ornamental, mixed varieties; Sweet William, finest mixed; Clove Pink.

25-CENT COLLECTION OF SEEDS.

Every season for several years I have grown some of the best and most popular varieties in extra-large quantities, and offered them in 25-cent collections. I have filled orders for about forty thousand of these collections, and have received several thousand letters containing expressions of the satisfaction of those who have purchased them; and I have the pleasure of knowing that many who never cultivated a flower before have been induced to begin their culture by my cheap collections. The past season I grew the ten varieties named below in extra-large quantities, and all of the choicest quality in every respect. Each packet contains from 50 to 300 seeds—nearly all 100 or more. The collection of ten packets will be sent to all who order it, for only 25 cents. I am sometimes asked to make changes in the varieties, and while I am willing to accommodate customers whenever possible, yet in this I cannot do so, as I shall have them all put up ready for mailing before the busy season; in fact, it is on this very condition of no change, in connection with very large sales, that I can offer them for such a small sum.

Rose Aster, mixed colors.
Verbena, choicest mixed, saved from over 100 varieties.
Swan River Daisy (Brachycome), mixed colors.
Phlox Drummondii, 16 colors mixed.
Double Portulaca, choicest mixed.
Petunia, finest mixed, large and small flowered.

Perennial Larkspur (*Delphinium formosum*), blue and white mixed. (The blue is of the most lovely shade known in flowers.)
Double Zinnia, 8 colors mixed.
Crown or White-Centered Aster, mixed colors.
Ice Plant.

I think I have enough seed of these varieties to fill all orders that may be sent; but in case my stock of any variety becomes exhausted, as sometimes occurs late in the season, others of equal value will be substituted, but varieties so substituted must be of my selection.

This collection would make a nice present for a friend, and be a constant reminder of the giver all summer.

PREMIUMS TO CLUBS.

Many are so highly pleased with my seeds that they commend them to others, and raise clubs among their neighbors; and my thanks are due to those who raised clubs for me last year. I will reward liberally all who thus assist in extending my trade. For a club of four subscribers to the 25-cent collection, remitting one dollar at one time, I will send FREE to the raiser of the club the following *six new and choice varieties*:

Nicotiana affinis. (See List of Novelties for description.)
Virginian Stock, Fairy Queen. (See Novelty List.)

Shell Flower (*Molluccella Lævis*).
Dwarf White Candytuft. (See Novelty List.)
Godetia, Lady Albemarle. (See Novelty List.)
Velvet Flower (*Salpiglossis*), mixed colors.

For a club of three subscribers, any *three* of the above varieties may be selected as a premium; and for a club of two, select any one variety. For each subscriber *over* four, seeds in papers to the value of ten cents may be selected from the Catalogue. *Your own order* may be counted in these clubs.

In addition to these very liberal premiums, I will give

\$30.00 IN GOLD.

To the persons sending me the three largest club orders for this collection.

FIRST PREMIUM, \$15.00, for the largest club order.

SECOND PREMIUM, \$10.00, for the second largest club order.

THIRD PREMIUM, \$5.00, for the third largest club order.

The name and address of each subscriber must be sent, with that of the raiser of the club; and please state how many Catalogues are wanted this season. The seeds will all be sent to the raiser of the club (which is the best way when convenient to distribute), or to each member separately, as desired. The Gold Prizes will be awarded and forwarded to the successful persons June 1st, and their names and addresses published in my 1884 Catalogue. Here is a good chance for the boys and girls to get some nice seeds and win one of the gold prizes. Many of my young friends sent clubs last year, and any boy or girl can easily raise one. If the premium seeds are not wanted they can easily be sold for cash. It will probably require a very large club to win the cash prizes, for the largest I received last year was for only 17. Additions to clubs can be made at any time, and will be counted right in.

The above are special premiums offered on the 25-cent collection only, but to those who raise clubs for a general selection of seeds from the Catalogue, or order for themselves alone, I propose to be equally liberal, as follows:

Persons sending 50 cents for seeds in papers, at the Catalogue prices, may select seeds to the value of 60 cents. Persons sending \$1.00 for seeds in papers at the Catalogue price may select seeds to the value of \$1.25; and for each additional 50 cents, select 15 cents' worth of seeds extra. But it must be understood that these last premiums are only on SEEDS IN PAPERS AT THE CATALOGUE PRICES. Seeds by weight or in collections, or bulbs and plants, must not be reckoned in making this discount, nor can the premiums be paid in them, as it would bring the prices below cost in some cases. Address all orders,

L. W. GOODELL,

Drawer K, AMHERST, MASS.

SOWING FLOWER SEEDS, TRANSPLANTING, &c.

SOWING IN COLD FRAMES.—A Cold-frame is easily managed by anybody, and in no other way can such uniform success be had; and I would recommend those who have more than half a dozen varieties to sow to try one. Make a box-like frame of boards without a bottom, which should be twelve or fifteen inches high at the back, sloping to about six inches in front, so as to catch the direct rays of the sun as much as possible. It can be made of any size desired and nailed at the corners, if small enough to be easily moved about, or if larger, fastened together with hooks and staples. About the last of April is the proper time in this latitude to start seeds in a cold-frame, and the plants will be large enough to transplant to the beds when they are to bloom as early as would be safe from frost.

Prepare a bed in a warm, sheltered spot in the garden; rake out all the lumps and stones, and on this set the frame, and cover with ordinary hot-bed sash, or old window sash, which will do quite as well. Make the soil in the frame smooth and firm with a board, and sow the seeds thinly and evenly on the surface, in squares, and label each sort with a short pine stick. Have a pile of light sandy soil or leaf mold from the woods, which has been sifted through a fine sieve, near at hand, and if the seeds are very small, carefully sift it over them. Probably more failures to make seed germinate result from covering too deep than from any other cause. A good and safe rule for the smaller kind of seeds is to cover to a depth of about twice the diameter of the seed. This would give a covering of one-eighth to one-fourth of an inch to such seeds as Aster, Phlox and Verbena; one-sixteenth of an inch to Petunia, Portulaca and seeds of like size, while very fine seeds, like Lobelia and Mimulus, should scarcely be covered at all, but merely pressed slightly into the soil. After the seeds are all nicely covered, it is very important to make the soil as hard and firm as possible; then water carefully with a pot having a fine rose, so as not to wash the soil from the seeds.

Now put on the sash and keep it tightly closed until the plants begin to come up, watering often enough to keep the surface moist. Some seeds, like Aster and Zinnia, germinate, under favorable circumstances, in a few days, while others require several weeks. Geranium and Verbena seeds germinate very unevenly, some seeds coming up in a week or ten days, while some will remain dormant a month or more, and the soil should be kept moist and not be disturbed for at least a month after sowing. Cover the frame with straw mats or boards at night to keep out the cold, and after the plants are up, give plenty of air during warm, sunny days. Pull out the weeds as fast as they appear, and keep the plants well thinned out, so they will grow strong and stocky. The thinnings can be saved and transplanted to another frame if desired.

SOWING IN BOXES IN THE HOUSE.—When only a few varieties are to be sown, good plants can be grown by sowing in shallow boxes of earth, putting these in a warm, sunny window in the house, covering each box with a pane of glass to retain moisture. Never sow seeds in pots unless they are sunk up to the rims in boxes of moist earth or moss; otherwise they are apt to quickly dry out and injure the seeds or young plants.

SOWING IN THE OPEN GROUND.—With care and by sowing at the proper time, plants can be grown successfully in the open ground; but not much success can be expected from sowing the small, delicate seeds in the beds where they are to flower. It is always best to sow all but a few varieties like the Larkspurs and Poppies, which do not transplant well, in a seed-bed, in the same way as directed for cold-frames. Sow the half hardy varieties about the middle of May, in this latitude, or about the time corn is usually planted. Hardy annuals may be sown two weeks earlier, and tender annuals not until two weeks later than this. Great care must be taken in watering and shading to prevent the surface from drying out; a few hours of hot sun in a dry time will sometimes ruin a whole bed; and this is the most frequent cause of failure when seeds are sown in the open ground, for after a seed has sprouted, and then become dry, it will never sprout again. It is a good plan to spread several thicknesses of newspaper over the bed to help keep in the moisture, but they must be removed as soon as the plants begin to come up.

TRANSPLANTING.—After the plants in the cold-frame or seed-bed have obtained their second leaves and grown an inch or two, transplant to the garden, first giving the seed-bed a good soaking with water. Transplanting should be done in a showery day, if possible, but it is better to transplant in a dry time than to wait too long for rain. Make holes where the plants are to be set, fill them with water, let it soak in, and then set the plant, making the soil firm about the roots; water again and cover each plant with a piece of paper held down with clods of earth; or, what is better, with a large leaf or a handful of fresh grass.

A frequent cause of failure to make a good show of flowers is setting plants too thick in the beds, and before the summer is half through the vines become so crowded together they either die outright or become so much weakened in the struggle for existence, that their beauty is greatly injured. The soil for flowers, if not already rich, should be made so with fertilizers or well decayed manure. Some varieties do well in almost any ordinary soil, but do much better in a rich one.

I am thus explicit in giving directions because I know some of my customers are inexperienced in the culture of flowers—some perhaps beginning their culture for the first time this year, and I am anxious that all who purchase even a single packet of seed should succeed as well as the most experienced gardeners.

The flowers produced from seeds are classed as Annuals, Biennials, and Herbaceous Perennials. The Annuals perfect their seed and die the first year. Biennials live two years. Herbaceous Perennials die down to the ground every year, the roots living many years. Annuals are called hardy, half-hardy, and tender. A hardy annual will bear a severe frost without injury; a half-hardy annual will bear considerable frost; while tender annuals are destroyed by the least frost.

The Insect Enemies of the Garden and How to Destroy Them.

In response to numerous inquiries for information on this subject, I have written a pamphlet, giving descriptions of the various insect pests that infest house plants, the garden and orchard, with the best remedies for their destruction. I will furnish it to my customers for 5 cents each,—about the cost of publishing. All should have it.

Seeds on Commission.

Merchants and others often write for my terms on seeds to be sold on commission. I grow and put up only about enough seeds each season to supply my retail trade, in fact I often run short of many varieties late in the season. Good seeds are perhaps sometimes sold on commission, but about three-fourths of all seeds put up by commission dealers are returned at the end of the season, and sent out again and again until sold, the only thing about them that is new being the showy papers they are put up in. I have no desire to do business in such an unbusiness-like manner.

Special Notice to Canadian Customers.

The international postal laws are such that only samples of merchandise can be sent by mail to Canada. Packages are limited to eight ounces in weight, and the postage is ten cents on each package. Seeds in small quantities only can be sent by mail, and eight cents extra must be added to the price of each package ordered for postage. Goods can be sent by express in any quantity desired, at purchaser's expense.



[WHITLAVIA.



ZEPHYRANTHUS
'TREATIE.



NEWEST DWARF BOUQUET
ASTER.



AGERATUM.



CALLIOPSIS.

ANNUALS.

IN this department are included not only the true Annuals, but some Perennials that produce flowers the first season from the seed; and in it will be found the gayest and most beautiful flowers that adorn the garden and lawn. The figures on the right of the columns give the price of each variety per paper, in cents.

- | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| ABRONIA umbellata , a trailing, half-hardy annual, with clusters of Verbena-like, rosy lilac white-eyed flowers. Before sowing remove the husk which surrounds the seed..... | 10 | ANTIRRHINUM , (Snapdragon): One of the best and most popular of the hardy perennials; blooms abundantly all summer and until after hard frosts in autumn; flowers in spikes and very brilliant. Plants may be set 8 or 10 inches apart. | |
| AGERATUM : Pretty, hardy annuals, with abundance of flowers through the season; fine for bouquets. Set plants six inches apart. | | majus , 18 inches tall; mixed colors..... | 5 |
| Mexicanum , blue, 1 foot..... | 5 | Tom Thumb , dwarf and compact; 8 inches; mixed colors..... | 5 |
| cælestinum , Tom Thumb , light blue, compact; 8 inches..... | 5 | ASPERULA azurea setosa , an exceedingly pretty hardy annual, as useful as Sweet Alyssum, producing clusters of small, light-blue, sweet-scented flowers in profusion; about 10 inches in height, and plants may stand 6 inches apart..... | 5 |
| Lasseauxii , beautiful pink flowers..... | 5 | ASTER : The Aster is one of the best and most popular of our hardy annuals, and no garden should be considered complete without a good collection of this beautiful flower. The tall varieties should be set about a foot apart, and the little Dwarf Bouquet 5 or 6 inches. Make the soil deep and rich for Asters. | |
| ALYSSUM , Sweet , hardy annual, blooming abundantly all summer; flowers small, white, in clusters; good for beds and exceedingly fine for bouquets. There is a little black insect which often destroys the plants before they are fairly out of the ground. Dust the plants with ashes as soon as up, to keep off the insect. Set plants a foot apart..... | 5 | Truffaut's Pwony-flowered , large flowers, petals slightly reflexed; 2 feet; mixed colors | 10 |
| AMARANTHUS : Beautiful ornamental foliage plants, producing a fine effect in beds or masses. In a wet season and a rich soil they sometimes lose their bright colors. | | New Rose , a magnificent variety, and one of the very best; flowers large and very double, with the petals finely imbricated; 2 feet; many bright colors mixed..... | 10 |
| salicifolius , long, narrow, wavy, dark-colored leaves; 2 to 4 feet in height..... | 5 | Imbrique Pompon , flower small, but very double and perfect in form, of bright colors and freely produced; a very distinct and fine variety: 18 inches; 12 colors mixed..... | 10 |
| bicolor ruber , a fine bedding plant, the lower half of the leaf a fiery red, the upper half maroon, often tipped with yellow; 2 feet.... | 5 | Cocardeau , or New Crown , a beautiful variety: flowers large, double, with white | |
| tricolor , (Joseph's Coat,) red, yellow and green leaves..... | 5 | | |
| melancholicus ruber , blood-red foliage and compact habit; 18 inches..... | 5 | | |
| caudatus , (Love Lies Bleeding), blood-red flowers in long, drooping clusters; very pretty..... | 5 | | |



PLANT OF ROSE ASTER.



GAILLARDIA LORENZIANA (see Novelty List).

- quilled centers, surrounded with flat petals of another color; 18 inches; mixed colors... 10
- Washington**, flowers very double and perfect and of large size, measuring, under good culture, 4 or 5 inches in diameter; 2 feet; mixed colors... 10
- Dwarf Pyramidal Bouquet**, a compact variety, with large flowers, each plant forming a perfect bouquet in itself; 10 inches tall, and one of the earliest of the Asters; mixed colors... 10
- Newest Dwarf Bouquet**, a fine variety for filling small beds, or for edging; very dwarf and compact; each plant looks like a bouquet of flowers set in the ground; 6 inches; mixed colors... 10
- Half-Dwarf multiflora mauve**, about a foot in height, the flowers very double and perfect... 10
- Hedge-Hog, or Needle**, long, quilled, sharply-pointed petals; curious; 2 feet; mixed colors... 15
- Betteridge's Prize**, plant strong and branching, the flowers regularly quilled, with a single row of outer flat petals, which are often of a different color from the centers. The finest quilled sort; mixed colors... 10
- BALSAM**: The Balsam is a magnificent half-hardy annual, the tall varieties growing some 2 or 3 feet in height, and in bloom from June till frost, the branches being completely covered with flowers, which resemble roses and camellias. Make the soil very rich and deep, and set the plants 18 inches apart.
- Camellia-flowered Spotted**, German, double; spotted with white; mixed colors... 10
- Dwarf Camellia-flowered Spotted**, German; 10 inches tall; mixed colors... 10
- Camellia-flowered Perfection, White**, a new variety, and the finest, truest white Balsam grown; last season nearly every plant produced flowers as double and perfect as Camellias... 15
- Camellia-flowered Perfection, Pink**, beautiful deep pink; packet of 15 seeds... 15
- Solferino**, white, striped and spotted with red; double and good; one of the best... 10
- Rose-flowered, French**, double; mixed colors... 10
- Extra Double Dwarf**, double; 6 inches high; mixed colors... 10
- BARTONIA aurea**, a showy, hardy annual, with large, brilliant golden yellow flowers. Sow seeds early where the plants are to bloom, and thin to 8 inches apart; 1 foot... 5
- BRACHYCOME iberidifolia**, (Swan River Daisy), a very pretty little hardy annual, producing an abundance of white and blue flowers; 8 inches; mixed colors... 5
- BROWALLIA**, a very fine half-hardy annual, good for the garden and excellent for the house in winter; 18 inches tall, and plants may stand a foot apart; blue and white mixed... 5
- Rozli**, a new species, with azure blue and white flowers which are double the size of the old varieties; mixed colors... 10
- CALENDULA, Meteor**: One of the finest new hardy annuals introduced of late years. The flowers are very double, with creamy white petals regularly and evenly edged with deep orange, giving the flowers a very novel and elegant appearance. Seeds may be sown either under glass or in the open ground, and the plants set a foot apart... 10
- CALLIOPSIS**: A very showy class of hardy annuals, blooming abundantly; flowers of a great many shades of yellow, orange and rich brown, often finely spotted. The plants grow from 1 to 2 feet in height, and may be set about 10 inches apart; mixed colors... 5
- CALLIRHOE pedata**, fine hardy annual; flowers crimson bordered with white; 2 feet... 5
- CANNA**, beautiful foliage plants, with large, broad leaves and scarlet or yellow flowers. Soak the seed in warm water for 12 hours be-

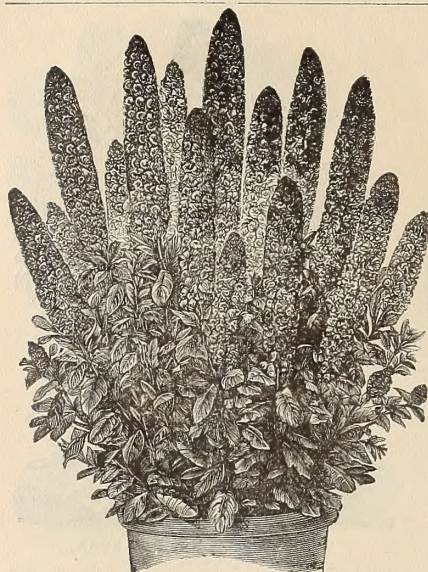


FLOWER OF ROSE ASTER.



RICINUS (CASTOR OIL BEAN).

fore sowing, and sow under glass early, or they will not make much of a show the first season. The roots may be taken up in the autumn and preserved in sand in the cellar, like Dahlias; 3 to 5 feet; mixed varieties.....	10		
CAMPANULA speculum , fine hardy annual; good habit and abundance of flowers; mixed colors.....	5		
CANDYTUFT : An old and popular hardy annual of easy culture; makes beautiful beds and is indispensable for bouquets. Seed should be sown very early in spring, where they are to bloom, and the plants thinned to six inches.			
<i>Purple</i>	5		
<i>White</i>	5		
Rocket , flowers in long spikes, pure white....	5		
<i>Lilac</i>	5		
Sweet-scented , flowers in umbels, pure white	5		
Rose , rosy lilac.....	5		
Dunnett's Extra Dark Crimson	5		
All Colors Mixed	5		
New Carmine , true to color.....	10		
CASSIA chamærista , a fine hardy annual, with bright golden yellow flowers; plant compact, with pretty, light-green foliage; transplant to 18 inches apart; 2 feet.....	5		
CELOSIA cristata , (Cockscomb): A very curious half-hardy annual, blooming from July until frost. They should have good, rich soil, and will well repay any extra care given them in the increased size and beauty of the combs. Set plants 15 inches apart; mixed colors.....	5		
New Japan , a very beautiful variety, the combs delicately cut and of the brightest scarlet and crimson; 2 to 3 feet tall.....	5		
superba plumosa , a new and exceedingly beautiful feathered variety of the New Japan, coming true and good. Nothing I grew last year attracted so much attention from visitors as a bed of this variety. Sow seed as early as possible, in a cold-frame or in			
the house, and set the plants in good, rich soil, a foot apart; 18 inches tall.....	5		
CENTAUREA , (Bachelor's Button): A genus of very fine hardy plants, the colors varied and bright; mixed colors.....	6		
CERANTHUS macrosiphon , a very pretty plant; about 18 inches in height; producing large corymbs of small flowers. Set plants a foot apart; mixed colors.....	5		
CHRYSANTHEMUM : Free-blooming hardy annuals, with pretty foliage and showy yellow, white, maroon and brown flowers; 18 inches tall; double and single mixed.....	5		
CINERARIA maritima , (Dusty Miller): elegant white-leaved foliage plant, used extensively for bedding.....	5		
CONVOLVULUS minor , (Dwarf Morning Glory): One of the prettiest of hardy annuals, producing an abundance of flowers through the summer and autumn. The plants are of spreading habit, and may be set 15 inches apart. Blue, white, lilac, &c., mixed.....	5		
CREPIS : A fine hardy annual, bearing yellow, pink, purple and white flowers; 1 foot tall; mixed colors.....	5		
DATURA : Large, branching plants, about 2 feet in height, with magnificent large flowers. Start the seeds as early as possible, and transplant or thin to 2 feet apart.			
Wrightii , produces beautiful, pure white, sweet-scented, trumpet-shaped flowers, from 7 to 9 inches long.....	10		
humilis flava fl.-pl. , splendid, large, yellow double flowers.....	10		
fastuosa alba plena , double white.....	10		
DAHLIA : This popular flower is easily grown from seeds, which germinate as freely as Aster or Zinnia seeds, and if started early in a frame or boxes in the house, bloom almost as early as plants from the tubers, and frequently produce as fine flowers. Seeds saved from my collection of 50 choicest named varieties.....	20		
DELPHINIUM (Larkspur): Very fine and			



MILES' NEW SPIRAL MIGNONETTE.



PETUNIAS.

showy hardy annuals, with long spikes of flowers, and of the earliest culture. Sow as early in the spring as possible in the open ground, and thin the branching varieties to 8 inches apart, and the Rockets to 5 or 6 inches.

Double Dwarf Rocket; mixed colors..... 5

Tall Rocket, double; mixed colors..... 5

Stock-flowered, double, branching, very showy; mixed colors..... 5

imperiale, compact plant; very brilliant colors, mixed..... 5

formosum, a splendid hardy perennial, producing spikes of flowers which are of one of the most beautiful shades of blue known in flowers; 2 feet, blue and white mixed..... 5

DIANTHUS: These are commonly called China and Japan pinks, and are among the most beautiful flowers now grown. The colors are very rich and varied, and the flowers are produced abundantly all the first summer, and often the second season quite as well as the first. They grow 10 to 15 inches high, and may be set 10 inches apart. Seed germinates readily in the open ground or under glass.

Chinensis, double; mixed colors..... 5

imperialis (Imperial Pink), double; mixed..... 5

imperialis, double white..... 5

Heddewigii, produces flowers which are often 3 inches in diameter, and beautifully colored; mixed colors..... 10

Heddewigii fl.-pl. atropurpureus, large, dark-red and very double flowers..... 10

Heddewigii flore-pleno, double; mixed colors..... 10

laciniatus, very large, deeply fringed flowers; mixed colors..... 10

laciniatus flore-pleno, magnificent, very large double flowers, with deeply fringed petals..... 10

diadematus flore-pleno, (Diadem Pink), very brilliant markings and colors..... 10

Heddewigii albus plenus, large; double; white..... 10

Eastern Queen, a new and beautiful variety; flowers large, white, marbled with crimson..... 10

Above 11 varieties, mixed..... 10

DOUBLE DAISY, (*Bellis perennis*): A well-known hardy little flower. Seed should be sown as early as possible, and the plants set four or five inches apart, in a cool, shady place. Best German seed..... 15

ESCHSCHOLTZIA Californica: A very fine, free-flowering, hardy annual, with brilliant flowers and finely-divided leaves. Does not transplant well, and seed should be sown where they are to grow; mixed colors..... 5

EUPHORBIA marginata, (Snow on the Mountain:) A fine foliage plant, the leaves on the top of the plants margined with pure white; 18 inches tall..... 5

GAILLARDIA, (Blanket Flower): An excellent bedding plant, of good habit and plenty of red, orange and white flowers all summer; about a foot in height, and plants should stand 15 inches apart; mixed colors..... 5

GILIA: A pretty, hardy annual with small, delicate flowers. Do best if the seed is sown where they are to bloom, and thinned to five inches apart; mixed colors..... 5

GLAUCIUM corniculatum: One of the best of white-leaved plants, sometimes called Horned Poppy. Sow under glass as early as possible..... 10

GODETIA: Fine, hardy plants with a profusion of showy flowers; plants may be set 6 inches apart; mixed colors..... 5

HIBISCUS Africanus: Large, showy flowers, cream color, with black center..... 5

HELIANTHUS (Sunflower): *Double green-centered*, very double..... 5
Mammoth Russian, very large, single..... 5



DIANTHUS LACINIATUS FL.-PL.



SWEET WILLIAM, PERFECTION.

LINUM grandiflorum rubrum, hardy annual, with bright crimson flowers; 18 inches.. 5

LOBELIA: Beautiful hardy annuals, bearing a great number of small, richly-colored flowers. Exceedingly fine for baskets or edging to beds. About 6 inches in height, and plants should be set 4 or 5 inches apart; mixed colors..... 5

cardinalis, (Cardinal flower). A splendid hardy perennial, with spikes of brilliant dark scarlet flowers, blooming the first season if sown early..... 10

LUPINUS, (Lupine): Well-known hardy annual, with long spikes of flowers. Sow seeds in the open ground: mixed colors..... 5

LYCHNIS: Hardy perennials, producing a fine effect when grown in masses; 2 feet in height.

Chalcedonia, mixed colors..... 5

grandiflora gigantea, new; very large flowers; 1 foot. mixed colors..... 5

MESEMBRYANTHEMUM crystallinum (Ice Plant): A curious half-hardy annual; the leaves look as though covered with crystals of ice; of trailing habit; very fine for baskets...

cordifolium variegatum, (Variegated Ice Plant), leaves variegated with pale yellow.. 10

tricolor, (Dew Plant), flowers pink..... 5

MIGNONETTE, *Sweet*, (Reseda odorata): Well-known fragrant, hardy annual..... 5

Parsons' New White, flowers larger and whiter than the old sort..... 5

Miles' New Spiral, a new variety, which has proved the best mignonette yet introduced. The plants are of compact habit, with long spikes closely set with flowers. Plants should stand at least 18 inches apart to become fully developed..... 10

MIMULUS, (Monkey Flower): Pretty, half-hardy plants, producing a profusion of small, delicate flowers.

hybridus tigrinus, beautifully spotted; best

for house culture..... 5

cardinalis, scarlet..... 5

Moschatus, (Musk Plant), yellow..... 5

MIRABILIS Jalapa: An old but very desirable half-hardy perennial, often called Four O'clock, Marvel of Peru, &c. The plant is very branching, and the flowers are large and of bright colors and freely produced. About 2 feet in height and plants should be set 2 feet apart; mixed colors..... 5

longiflora, (Jockey Club), very long, white, sweet-scented flowers..... 5

longiflora violacea, like the last, but violet color..... 5

MOLUCELLEA Lewis, (Shell Flower): A very singular hardy annual, a native of Syria, growing from 2 to 3 feet tall, branching near the ground. The flowers are small, white, enclosed in a curious shell-like calyx; these are green, veined with white, and cover nearly the whole plant, giving it a very striking appearance. Set plants 18 inches apart..... 10

MYOSOTIS palustris, the well-known Forget-me-not, producing clusters of delicate white and blue flowers..... 5

NEMOPHILA: A very pretty hardy annual, producing a profusion of small white and blue often spotted flowers; about 6 inches high. Sow seed as early in the spring as possible, in a cool, shady place, and thin the plants to 5 inches apart; mixed colors..... 5

ENOTHERA, (Evening Primrose): Showy, hardy plants, which open their flowers suddenly about 6 o'clock in the evening.

acaulis alba, a very dwarf plant, producing exceedingly beautiful pearly-white flowers, about 4 inches across..... 5

Lamarckiana grandiflora, produces an abundance of long, yellow flowers, 4 inches across; very showy hardy biennial, blooming first season if sown early..... 5

OXYURA: A fine hardy annual, the flowers daisy-like, lemon yellow, edged with white... 5



ASPERULA AZUREA SETOSA.



ANTIRRHINUM.



CAMELLIA-FLOWERED PERFECTION BALSAM



EUPHORBIA MARGINATA.



DOUBLE PORTULACA

PANSY: The Pansy is one of the most beautiful and popular flowers in cultivation. It may be called a perpetual bloomer, for a bed is never without flowers while the ground remains open, though they are usually small during the heat of summer. There is no danger of making the soil too rich for Pansies, and they should have an abundance of water if large flowers are wanted. Plants from spring-sown seeds produce their largest flowers in the autumn of the first and spring of the second year, after which the plants become exhausted, and new ones should be obtained from seed. The colors and markings are almost endless. Set plants 8 inches apart.

King of the Blacks, almost coal black..... 15
Emperor William, ultramarine blue, with purple eye..... 15
Dark Blue, very large and rich..... 15
Azure Blue, very rich, extra fine..... 15
Light Blue, nearly sky blue..... 15
Violet, with white border, splendid..... 15
Marbled Purple..... 15
Striped and Mottled, very showy..... 15
Yellow-margined..... 15
Yellow..... 15
Mahogany-colored..... 15
Bronze Color..... 15
Red, bright coppery brown colors..... 15
Fawn-colored, very curious..... 15
White, sometimes with purple eye..... 15
White Treasure, new..... 25
Oster, or Large-Eyed, large dark spots on each petal..... 25
All Varieties Mixed..... 11

PERILLA Nankinensis: A dark-leaved foliage plant of great beauty; resembles the Coleus, and is easily grown from seed; leaves dark purple or deep mulberry; 18 inches tall.. 5

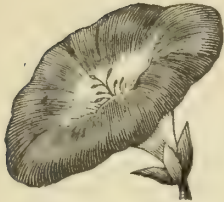
PETUNIA: Few flowers equal the Petunias for a brilliant display. They are very hardy and of the easiest culture, and their flowers are produced in profusion from June until hard frost in autumn. The flowers of the grandiflora varieties are very large and richly colored, while others are beautifully veined, striped and spotted. About 2 feet in height. Set plants 18 inches apart.

grandiflora Kermesina, crimson..... 25
grandiflora rosea, bright rose color..... 25
grandiflora maculata, spotted..... 25
grandiflora venosa, beautiful veined varieties..... 25
grandiflora violacea, very large flowers of the richest violet..... 25
grandiflora marginata, crimson margined with green..... 25
Above varieties mixed..... 15
Countess of Ellsmere, dark rose, white throat; fine bedder..... 5
Blotched and Striped, very showy..... 5
White, large, white..... 5
Finest Mixed, large and small flowered..... 10
Fringed, a beautiful variety, with fringed edges; 50 seeds..... 25
Double: The Double Petunia bears no seed, and seed that will produce a fair proportion of double flowers is grown by crossing single flowers with the double, and this is a slow and expensive process. Packet of 50 seeds, first quality..... 25
New Double Fringed, choicest mixed; packet of 50 seeds..... 35

PHLOX DRUMMONDII: This is, without exception, the most brilliant and beautiful annual in cultivation, and no garden, however small, should be without it. A bed of these plants will be completely covered with flowers



MIRABILIS JALAPA.



CONVOLVULUS MINOR.



CELOSIA SUPERBA PLUMOSA.



MOLUCELLA LAEVIS.
(Plant.)



MOLUCELLA LAEVIS.
(Shell Flower.)

from June until hard frost in autumn. For a bed on the lawn, where a continuous display is required, nothing can be finer. Fifteen inches tall. Plants should be set a foot apart if the soil is rich; if nearer they are apt to mildew, which injures the flowers.

<i>Blood Purple</i>	10
<i>Brilliant Scarlet</i>	10
<i>Leopoldii</i> , deep pink, white eye.....	10
<i>Large Blue</i> , white eye; fine purple.....	10
<i>rosea</i> , rose color.....	10
<i>rosea albo-oculata</i> , rose, white eye.....	10
<i>Radowitzii</i> , rose, striped with white.....	10
<i>Radowitzii Kermesina striata</i> , crimson, striped with white.....	10
<i>Radowitzii violacea</i> , violet striped with white.....	10
<i>flore albo</i> , white.....	10
<i>flore albo oculata</i> , white, with a dark eye.....	10
<i>Chamois Rose</i> , very fine; delicate rose....	10
<i>variabilis</i> , violet, and lilac.....	10
<i>Isabellina</i> , pale yellow.....	10
<i>Violet Queen</i> , violet, with large white eye..	10
<i>Scarlet Fringed</i>	10
<i>Above varieties mixed</i>	5
<i>Carmine Queen</i> , carmine, with large white eye; new.....	15
<i>grandiflora</i> , an improvement on the old variety, with larger flowers of more perfect form; mixed colors.....	10
<i>grandiflora splendens</i> , a new variety, of a bright crimson color, with a large, distinct, white eye, the flowers of a very large size; a fine bedding plant.....	10

POPPY, (Papaver): An old and well-known hardy annual; some of the best varieties are well worthy of culture.

Ranunculus-flowered, small double flowers,

of various colors; mixed..... 5

Double Opium, splendid, large double flowers; mixed colors..... 5

umbrosum, a new variety, with large, showy single flowers of an intense scarlet color, with a large coal black spot at the base of each petal..... 10

PORTULACA: For brilliant, dazzling colors, nothing can excel a bed of Portulaca when in full bloom. The colors are numerous, and produced in profusion all summer. Easily transplanted at any stage of its growth, even when in full flower. The seed germinates slowly, requiring considerable heat, and care must be taken that the surface does not get dried out, which will surely ruin the seed. Seed often fails to germinate from this cause, especially when sown in the open ground,

grandiflora, rose, crimson, rosy purple, striped, white, yellow, etc., mixed..... 5

Double Rose-flowered, a perfectly double variety of the above, the flowers closely resembling small roses. Everybody who sees a bed in bloom is delighted with it. About one-half of the plants from seed of first quality will usually produce double flowers. To make a bed of all double flowers, set the plants when small 3 inches apart, and as soon as they show flower transplant the double ones to a bed where they are to bloom, setting plants 8 inches apart. Eight fine colors mixed, first quality..... 10

Double, New Golden Striped, a distinct new variety, with creamy white flowers striped with golden yellow and often edged with crimson..... 10

RICINUS, (Castor Oil Bean): A class of ornamental foliage plants of great beauty and



SALVIA

NEW JAPAN PINK,
EASTERN QUEEN.
(One-half natural size.)

quite a tropical appearance; leaves very large, sometimes 2 feet in diameter; fine as single specimens, or in small groups. Plant the seed in the open ground, about the middle of May, in this latitude, and give the plants good, rich soil and plenty of room.

Borboniensis, gigantic leaves, 10 feet. 10

Sanguineus, blood-red stalk; very fine; 5 feet 10

Gibsoni, rich bronze-purple leaves. 10

New species from the Philippines, very large leaves, 6 to 10 feet. 15

nanus microcarpus, very dwarf, 2 to 3 feet 10

SALPIGLOSSIS: An exceedingly fine hardy annual that deserves more extended culture than it receives. The flowers are large, bell-shaped, of very rich and varied colors, the texture of the petals resembling the richest velvet. About 2 feet tall, and the plants should be set or thinned to 8 inches apart; all colors mixed. 5

SALVIA, (Flowering Sage): Very beautiful half-hardy plants, remarkable for the brilliancy of their colors. Sow seed early in a frame, or in the house, if possible, and transplant 15 inches apart after the weather has become warm.

splendens, large flowers in long spikes, and of the brightest scarlet. 10

coccinea splendens, scarlet, large and showy 5

patens, produces the most beautiful shade of blue known in flowers. Plants may be cut back to the ground in the fall and the roots potted for the house. 25

SCABIOSA, (Mourning Bride): An old and well-known hardy annual, the flowers ranging in color from pure white to almost black; about 18 inches in height; mixed colors. 5

SCHIZANTHUS: A beautiful half-hardy annual, the plants being literally covered with small, bright, curiously-colored flowers; 2 feet; mixed colors. 5

SENSITIVE PLANT, (*Mimosa pudica*): A tender annual of spreading habit, with pretty foliage; the leaves, when touched, suddenly close and droop in a most curious manner. 5

SILENE *Armeria*, (Lobel's Catchfly): A

fine hardy annual, the flowers small, in clusters, and excellent for bouquets. Transplant or thin to 4 inches apart; red, white and rose, mixed. 5

STOCK, *Ten-Weeks*: Beautiful and popular hardy plants, with splendid spikes of double, fragrant flowers. Seed germinates easily either in the house or garden. If transplanted, do so when the plants are quite small, setting them a foot apart.

New Largest-flowering Dwarf, plant of dwarf, compact habit, with very large double flowers: 15 colors mixed. 10

New Largest-flowering Dwarf, *Blood Red*, very deep red. 20

Dwarf German, very fine bloomer; mixed colors. 20

Large Flowering Celestial Blue. 30

STOCK, *Virginian*: A very profuse blooming hardy annual of easy culture. Plant compact, with a profusion of small white and red flowers. 5

TAGETES, (Marigold): An old and well-known flower; finest double African and French varieties mixed. 5

signata pumila, one of the best, the plants growing very compact, round as a ball and covered with a multitude of small, yellow flowers; 2 feet. 5

TROPEOLUM minus, (Nasturtium): A splendid class of half-hardy annuals, with flowers of many shades of yellow, orange and red, often finely spotted; 10 inches in height; set plants 10 inches apart.

Dark Crimson. 5

Crystal Palace Gem, sulphur, spotted maroon. 5

Beauty, orange and vermillion. 5

Yellow. 5

Scarlet. 5

Rose, new. 5

King of Tom Thumbs, foliage dark bluish green, flowers brilliant scarlet. 10

King Theodore, very dark flowers. 15

Mixed Varieties. 5

VERBENA: One of the best and most popu-



HELICHRYSUM.



ORNAMENTAL GOURDS.



CASSIA CHAMAECRISTA.

lar bedding plants in cultivation. Plants grown from seed flower better and make stronger, healthier plants than from cuttings, and are often quite fragrant. A seedling verbenas, if given good, rich soil, will cover a space 4 or 5 feet in diameter, and be a mass of flowers all through the season. Start the seed as early as possible, and set the plants at least 18 inches apart.

hybrida, choicest seed, saved from over 100 varieties of every shade of color..... 10
Scarlet, scarlet and red varieties, coming true to color..... 15
Striped, broad stripes, but sports..... 15
White, comes true to color..... 15

Montana, one of the finest hardy perennials, blooming finely the first season and profusely very early the second year. Flowers bright rosy purple, and very fragrant. 5

FINCA: Beautiful, tender perennial with glossy leaves, and a splendid bedding plant if started early in the house. Set plants 10 inches apart.

rosea, rose color; 2 feet..... 5
rosea alba, white, red eye..... 5

WHITLAVIA grandiflora: Very pretty hardy annuals, with bell-shaped blue and white flowers; 10 inches in height; thin plants to 6 inches apart; mixed colors..... 5

ZINNIA, Double: A magnificent half-hardy annual, producing an abundance of flowers, which are as large and double as the Dahlia, the same flower keeping in perfection two months. Plant branching about 2 feet in height. Set plants 18 inches apart.

Zinnia, Double, eight fine colors mixed.... 10
White..... 10
Scarlet..... 10

CLIMBING PLANTS.

The annual climbers are a very beautiful class of plants, useful for covering arbors, verandas, fences, etc., which they will do in a very short time. Support should be furnished as soon as they begin to run.

CARDIOSPERMUM Halicacabum, (Balloon Vine): A half-hardy climber, with curious inflated seed-peds; 8 feet..... 5

CORBEA scandens: A beautiful half-hardy plant, growing 20 or 30 feet in a season; flowers large, purple, bell-shaped. Start the seeds

as early as possible in the house, and set them edgewise, and do not water unless the earth gets very dry..... 10

CONVOLVULUS Major, (Morning Glory): A well-known and very popular hardy climber, of rapid growth, with splendid large flowers of a variety of colors; all colors mixed..... 5

ECHINOCTISIS lobata: A very strong, rapid-growing climber, with Ivy-like leaves and large clusters of whitish flowers in profusion all summer; 20 feet..... 10

CYCLANTHERA explodens: A fine plant, growing 10 or 15 feet, with curious fruits, which explode with a noise when ripe, scattering the seeds to a considerable distance..... 10

DOLICHOS lablab, (Hyacinth Bean): A good climber, with purple and lilac flowers... 5

GOURDS, Ornamental: A fine class of half-hardy annuals, producing some of the most beautifully colored and curiously shaped of all fruits. Package containing seeds of Orange, Lemon, Apple, Pear, Gooseberry, Egg, and other sorts..... 10

IPOMEEA: Beautiful, tender annuals, with richly colored flowers, resembling the Morning Glory, but most varieties much larger.

limbata elegantissima, large flowers, rich mazarine blue bordered with white; 15 feet 5

grandiflora superba, sky blue, broadly margined with white; 15 feet..... 5

grandiflora alba, white; 15 feet..... 10

Quamoclit, (Cypress Vine), elegant foliage and small, richly colored flowers; 10 feet; mixed colors..... 5

LOPHOSPERMUM Hendersoni, one of the finest of climbing plants, with bell-shaped rosy carmine flowers; 5 feet..... 10

MAURANDYA Barclayana: A beautiful climber, with bell-shaped flowers and neat, abundant foliage; 6 feet; mixed colors..... 10

SWEET PEAS: A well-known and very fragrant hardy annual. Plant in rows or clumps 4 inches deep as early in the spring as possible, and furnish support as soon as up.

Scarlet Invincible..... 10
Scarlet..... 5

Scarlet Striped White..... 5
Purple Striped..... 5

Invincible Striped..... 10
Blue Edged, white and pink edged blue.... 10

Painted Lady, rose and white..... 5
White..... 5

Black, very dark brownish purple..... 10
Black with Light Blue, brownish purple and light blue..... 10

Crown Princess of Prussia, bluish..... 10
All colors mixed, per lb. \$1.00; per oz. 10 cents..... 5



TEN WEEKS STOCK.



DOUBLE ZINNIA.

- THUNBERGLIA:** A very ornamental free-flowering, tender annual; exceedingly fine for baskets, and does well in the garden; sow seed in a frame or boxes; 4 feet; mixed colors 10
- TROPÆOLUM majus:** One of the very best and easiest grown of the climbers, succeeding in any garden soil. The flowers are of many shades of yellow and scarlet, striped and spotted.
- majus atropurpureum*, crimson..... 5
 - coccineum*, scarlet..... 5
 - Dunnet's Orange*, dark orange..... 5
 - Edward Otto*, bronze..... 5
 - Scheuerianum*, straw color, striped brown. 5
 - Scheuerianum coccineum*, scarlet striped.. 5
 - Schultzii*, brilliant scarlet..... 5
 - luteum*, yellow..... 5
 - Mixed colors*, per oz. 15 cents..... 5
 - peregrinum*, (Canary Flower), profusion of bright yellow flowers; 15 feet. 10
 - Lobianum*, very fine for house culture; 8 feet; mixed varieties..... 10

- Do not pick until the flowers are fully grown.
- Mixed colors 5
 - HELICHRYSUM *mostrosom*:** One of the very best and most showy of the Everlastings; flowers very large and double, and of many bright colors; 2 feet; mixed colors.... 5
 - HELIPTERUM *Sanfordi*:** A very choice variety, each plant bearing a good many large clusters of small, rich golden-yellow flowers; 1 foot..... 10
 - corymbiflorum*, white..... 10
 - RHODANTHE *Manglesii*:** A very fine Everlasting, with beautiful, bell-shaped, rose-colored flowers; best for house culture, but often do finely in the open ground; 1 foot..... 10
 - maculata*, rosy purple..... 10
 - XERANTHEMUM:** A fine hardy sort about 10 inches in height; mixed colors..... 10

EVERLASTING FLOWERS

The Everlasting Flowers are a very valuable and beautiful class, keeping their natural form and color for many years. The flowers should be cut when in the bud, or as soon as they begin to open, and hung up in small bunches, so that the stems will dry straight. They may then be worked up into small bouquets, wreaths, baskets, etc., and make beautiful ornaments for the parlor. Plants of all the varieties may be set about 10 inches apart.

- ACROCLINIUM *roseum*:** One of the most beautiful of the Everlastings; bright rose color; 18 inches..... 5
- roseum album*, white; 18 inches..... 5
- Both colors mixed*..... 5
- AMMOBIUM *alatum*:** Very hardy; 18 inches; small, white, double flowers..... 5
- GOMPHRENA *globosa*,** (Globe Amaranth): The best known of the Everlasting flowers.

ORNAMENTAL GRASSES.

The Ornamental Grasses are very useful for working up with the Everlasting Flowers. Sow in the open ground early in the spring. They should be cut when in bloom. Tie up in small bunches, and dry in the shade. The following are some of the best varieties:

- AGROSTIS *nebulosa*:** Very elegant and feathery..... 10
- BEIZA *maxima*,** (Shaking Grass): One of the best; 1 foot..... 5
- minor*, dwarf; 5 inches..... 5
- BRIZOPYRUM *siculum*,** shining green... 5
- ERIANTHUS *Ravenae*:** A beautiful, hardy perennial grass, growing 10 feet in height, with elegant plumes of flowers a foot in length; very fine as single specimens for lawns; blooms second season..... 10
- GYNERIUM *argenteum*,** (Pampas Grass): The most magnificent grass in cultivation, but not hardy in the North; fine for the South; blooms second season..... 10
- LAGURUS *ovatus*,** (Hare's Tail Grass), 1 ft.. 5
- STIPA *pennata*,** (Feather Grass): A very graceful variety, blooms second season.... 10
- TRYCHOLÆNA *rosea*:** Elegant; tinted rose..... 5



DATURA.



VERBENA HYBRIDA.



OXALIS DEPPIL.

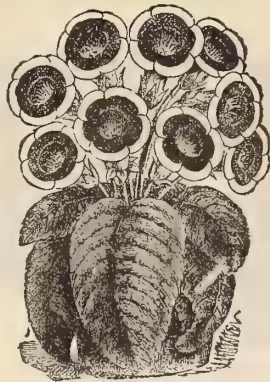
PERENNIALS.

THE varieties under this head flower in May, June and July of the second year. Sow the seed in the spring, and set the plants about four inches apart, in some unused corner of the garden, through the summer, removing to the beds where they are to flower early in the fall.

AQUILEGIA , (Columbine): An old, hardy perennial, producing fine flowers of a great many colors; common, 12 varieties mixed....	5	PINK , Florists' or Paisley; small, double, fragrant flowers; choicest German seeds....	25
cevalca , a new variety, with flowers 2 or 3 inches in width and as much or more in length; sky blue with white centers: 3 feet tall. This and the following are the finest of all the Aquilegias.....	5	PYRETHRUM roseum , (Insect Powder Plant): A fine, hardy plant, with large Daisy-like flowers of different shades of red. The insect powder of commerce is the dried and powdered petals of the flowers; mixed colors.	10
leptoceras chrysantha , like the above except in color, which is a beautiful canary yellow; remains in bloom a long time.....	5	Double , a beautiful double variety of the above; mixed colors.....	20
CAMPANULA : These are among the best of the perennials, with large bell-shaped flowers, white, rose, blue, etc.	5	Parthenium flore-pleno , (Double Feverfew)	5
Medium , (Cantebury Bell), single varieties, mixed.....	10	parthenifolium aureum , [Golden Feather], yellow foliage.....	10
Double varieties , mixed.....	10	PERENNIAL PEAS , red and white mixed..	10
calycanthera , a new and beautiful variety, with the calyx the same color as the corolla	10	PENTSTEMON : One of the best of the perennials, the flowers in long spikes and of very bright scarlet, rose, yellow, etc.; mixed col's.	10
grandiflora , very large open flowers of a beautiful light blue, remaining in bloom half the summer; 2 feet.....	10	SWEET ROCKET : Produces large clusters of flowers in early spring; white and purple mixed.....	5
CARNATION , (Dianthus caryophyllus): The most magnificent of the Pink family; fine mixed	10	PERENNIAL PHLOX : The Perennial Phlox is the best hardy perennial we have, and is especially fine for city gardens, as it does well in partial shade. If fresh seed is sown in the open ground late in autumn, it will germinate freely early in the spring, and flower the same season. Fresh seed saved from about 40 choice sorts, sent in the fall only.....	20
Choicest mixed , German seed, from named flowers only.....	25	SWEET WILLIAM , (Dianthus barbatus); The Sweet William is an old and well-known flower, and has been much improved of late years, the trusses and flowers being larger and of a greater variety of rich and beautiful colors	
Picotee , a variety of the carnation; choicest German seed.....	25	Perfection , produces immense heads of flowers, many of which have a large white eye encircled with rich crimson, purple and violet; mixed colors.....	5
DIANTHUS plumarius , the old original fragrant Clove Pink.....	10	Dunnetti , deep blood red; very rich.....	5
DELPHINIUM , (Perennial Larkspur): For a mass of blue there is nothing that will equal in richness and brilliancy the Perennial Larkspur; finest mixed.....	5	Double , finest mixed colors.....	10
Double , finest mixed varieties.....	20	ana compacta , very dwarf, the plants only 6 inches tall; fine colors, double and single mix'd.....	5
DIGITALIS , (Foxglove): A very fine perennial, with very long racemes of drooping, bell-shaped flowers; 3 feet; mixed colors	5	Above varieties mixed	5
HOLLYHOCK , (Althea rosea): The most showy of all the perennials; finest mixed single.....	5		
Double , choicest mixed colors.....	10		
White , the true pure white double variety.....	10		
IPOMOPSIS , (Summer Cypress): A beautiful plant, with finely divided leaves and long spikes of scarlet and yellow flowers; 3 feet tall; mixed colors.....	5		



CYCLAMEN.



GLOXINIA GRANDIFLORA.



LOBELIA.



CHINESE PRIMROSE.



CALCEALARIA.



ABUTILON.



BEGONIA REX.



COLEUS.

SEEDS OF HOUSE PLANTS.

House plants are usually obtained from the greenhouses, but there is a good deal of pleasure in growing them from seed, and very often as many plants can be grown from a packet of seed as would cost several dollars if purchased from a greenhouse. While some varieties germinate as easily as the common annuals, others are slow of germination, and some, being very small and delicate, require particular care to keep the soil moist and warm; about 60 to 70 degrees is best. Sow in shallow boxes, as directed for annuals, taking particular care that the soil is mellow and sandy. Cover the boxes with glass, and shade them from the sun; but as soon as the plants are up they must have air and some sun, or the stems are liable to decay at the surface. It is a good plan to make two or three sowings at different times. The main point to be observed to obtain an abundance of nice flowers is to keep the plants growing vigorously from the start, so that they receive no check.

My seed was saved from the most celebrated prize collections in the world, and may be depended on to produce the choicest varieties.

- ABUTILON:** Popular shrubby plant, with bell-shaped flowers of various colors; choice mixed..... 15
Choicest mixed, new varieties..... 25
ALOYSIA citriodora, (Lemon Verbena): A popular half-hardy shrub, prized for its fragrant foliage..... 25
BEGONIA, *Tuberous-rooted*: Exceedingly beautiful, profuse-blooming flowers of various shades of red and yellow; choicest single mixed varieties, from the best collection in Europe..... 15
Double, choicest mixed, from the best collection in Europe..... 35
BEGONIA REX, (ornamental-leaved varieties), from the very best hybrids, extra fine mixed..... 25

- CARNATION**, *Monthly or Perpetual*; fine mixed..... 25
Choicest mixed, Italian seed..... 50
CALCEOLARIA hybrida grandiflora; very large self-colored flowers..... 25
tigrina, beautifully spotted; seeds saved from the best collection in Europe..... 25
CINERARIA hybrida: A beautiful free-flowering perennial of rich and varied colors, that may be had in bloom through the greater part of the year; choice mixed..... 15
Extra choice mixed, from the finest prize collection in England..... 25
CHAMEROPS humilis, [Fan Palm]..... 10
CHRYSANTHEMUM Indicum; finest mixed..... 15
Pompon, or Dwarf, choicest mixed..... 15



BARTONIA AUREA.



IMBRIQ: POMPON ASTER.



MAURANDYA.



MUMULUS TIGRINUS.



SOLANUM CAPSICASTRUM.



CROWN ASTER.

CHINESE PRIMROSE, (*Primula Sinensis*): The Chinese Primrose is one of the most satisfactory of house plants. The flowers are of varied and brilliant colors. Seed sown in spring will produce plants that will bloom profusely the following winter. Fine mixed, 15
Choicest mixed, from the finest prize collections in England, 25
flore-pleno, double, choicest mixed, 30

COLEUS: The Coleus is the best of all the foliage plants for bedding. The leaves are of various forms and colors, and have a rich velvety appearance. The seed germinates freely in a warm soil; choice mixed, 15
Choicest mixed, saved from a large number of the newest and best varieties, 25

GLIANTHUS Dampieri, (*Glory Pea*): A magnificent shrubby climber, with clusters of pea-shaped scarlet flowers, 3 to 4 inches long, with a large black spot in the center; 3 feet tall, 15

CYCLAMEN Persicum: Splendid bulbous plants, with Orchid-like, delicately colored flowers; choicest mixed, 15

FERNS, finest mixed, from a choice collection 25

FUCHSIA, choicest mixed, 25

GERANIUM: These well-known bedding and house plants are easily grown from seed.

which germinate unevenly but quite surely. Soak the seed for 12 hours before sowing, and keep it moist and warm until it germinates.

Zonale, finest mixed, 10
New Gold and Bronze sorts mixed, 25
Large Flowered, [*Pelargonium*], choicest mixed, 50
Apple-Scented, 25
Double, finest mixed, from new varieties, 50

GLOXINIA: Beautiful bulbous plants, producing in profusion flowers of the richest and most varied colors.
Finest hybrids, mixed colors, 15
grandiflora, a new and distinct class, producing a profusion of large flowers, which are of the richest and most brilliant colors, 25

HELIOTROPE, finest mixed, 10

LANTANA: Fine shrubby plants, with clusters of Verbena-like flowers; finest mixed, 10

LINARIA Cymbalaria, (*Kenilworth Ivy*): An exceedingly pretty climbing plant, 15

NERIUM Oleander, [*Common Oleander*], 10

OXALIS floribunda, white and pink mixed, 10

SOLANUM capsicastrum, [*Jerusalem Cherry*]: A fine old house plant, bearing bright red berries the size of cherries, 10

SMILAX, [*M. asparagoides*]: An elegant climbing plant, with glossy green leaves, 10



AQUILEGIA CERULEA (Rocky Mountain Columbine).



NEW CALENDULA METEOR.



DOUBLE DAISY.

BULBS AND PLANTS.

ORDERS for these will be put on file and filled as soon as safe from freezing,—usually early in April. When Bulbs and Seeds are ordered together previous to that date, the Seeds will be sent at once, and the Bulbs as soon as safe.

TENDER BULBS.

These should not be planted in the open ground until the weather has become warm. After the frost has killed the tops take up the bulbs, dry, and preserve through the winter in a cellar free from frost.

CALADIUM esculentum: A popular foliage plant, the leaves about 2 feet in length, half as broad; each. 40

CANNA: One of the best of the foliage plants 25

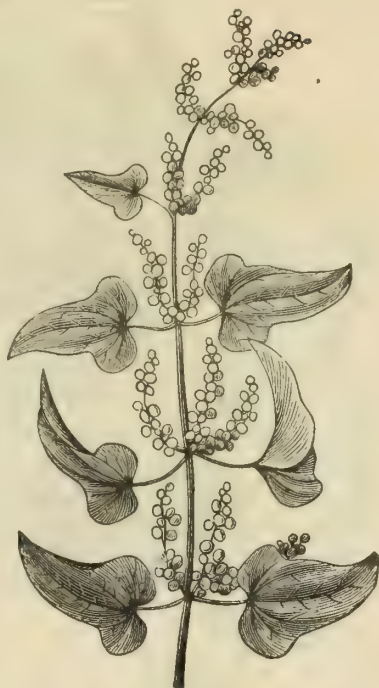
DAHLIA: Since the introduction of the Pompon or Bouquet varieties, with their small, perfect flowers, the Dahlia has regained much of its old popularity. I have 50 choice named varieties, and can furnish any colors desired. The principal colors are scarlet, purple, yellow, white, and variegated in many combinations. Price of tubers [ready in April], each. I will send five of the most distinct and best sorts of Dahlias, with names, for \$1.00. 25

GLADIOLUS: The Gladiolus is the best and most popular of what are called Summer Bulbs. Its tall spikes of large flowers, which are of almost every shade of color, frequently spotted, blotched and striped in the most beautiful manner, are truly gorgeous. The bulbs may be planted six inches apart, in any ordinary garden soil in April, May and June, and covered from 3 to 5 inches deep, according to size. The following are the best and most distinct of 75 varieties:

<i>Addison</i> , dark amaranth with white stripes.	50
<i>Arsinoe</i> , satin rose, flamed with carmine.	25
<i>Brenchleyensis</i> , vermilion scarlet	15
<i>Bernard de Jussieu</i> , violet, shaded cherry and purple, with purple blotch.	20
<i>Cleopatra</i> , large flower, soft lilac tinged with violet, purple-feathered blotch.	25
<i>Compte de Morny</i> , dark cherry red, blotched with white.	25
<i>Eugene Scribe</i> , rose blazed with carmine.	25
<i>Isaac Buchanan</i> , new; the best yellow.	50
<i>La Poussin</i> , light red, white ground.	25
<i>John Bull</i> , sulphur white, spotted violet.	15
<i>Lord Byron</i> , bright scarlet, white throat.	15
<i>Louis Van Houtte</i> , velvety carmine.	15
<i>Shakespeare</i> , white, stained with carmine rose.	60
<i>Zenobia</i> , rose, tinted violet, blazed with dark carmine, and blotched with white.	20
<i>Mixed Varieties</i> , including many fine seedlings. These are fine bulbs and always give the best of satisfaction, making a splendid display for a little money; per doz., 60 cts.; per half-doz., 35 cts.; per hundred, \$3.50; per thousand.	\$30.00
MADEIRA VINE: A beautiful climber, growing 10 or 15 feet, with thick, light-green leaves; per doz., \$1.00; each.	15
OXALIS: The Summer Oxalis is one of the prettiest of plants for borders to beds and edging to walks, forming a rounded border	



GLADIOLUS.



CHINESE YAM, OR CINNAMON VINE.

about 8 inches in height and as much in breadth. The bulbs are small, and may be planted an inch deep and 2 inches apart.

- lasiandra*, rose color; leaves in 9 divisions; per doz., 15 cts.; per hundred, 50 50
- Deppii*, rose color; leaves in 4 divisions, with a distinct brown zone; per hundred, 50 cts.; per thousand \$3.00; per doz. 15
- White*, blooms profusely early in the summer; per hundred, 50 cts.; per thousand, \$3.00; per doz. 15

TIGRIDIA, (Tiger Flower): Bulbs producing very curious and beautiful shell-like flowers 4 inches across.

- conchiflora*, rich orange and yellow spotted black; per doz., \$1.00; each, 15
- pavonia*, rich scarlet spotted and tinged with yellow; per doz., \$1.00; each, 15

TUBEROSE: The Tuberose produces a spike of pure white, wax-like, very fragrant double flowers. Plant the bulbs early in pots or boxes, in the house, and transplant to the garden after the weather has become warm.

- Pearl*, a dwarf variety, growing only about half as tall and with larger flowers than the common variety; per doz., \$1.00; each, 12

Hardy Bulbs and Plants.

These will bear the winter with safety, and when once planted last for a long time.

- AQUILEGIA** *cerulea* and *crysantha*, two new varieties and the finest of the Aquilegias; each variety, per plant, 25
- CHINESE YAM, or Cinnamon Vine**, (*Dioscorea batatas*): A beautiful herbaceous, orna-

mental vine of very rapid growth, climbing from 15 to 30 feet in a season. The leaves are glossy green veined with purple, and are never touched by insects. The flowers are small, white, growing in clusters, and emit a peculiar cinnamon-like odor so strongly as to fill the air around in the evening. The roots are edible, and may remain in the ground through the winter with safety, growing larger each year, attaining a length of two feet and a weight of several pounds each. Begins to bloom the second or third year, and when once planted will last a lifetime. The roots go so deep that drouth does not injure it. It destined to become very popular as an ornamental vine when its merits for this purpose become better known. It is easily propagated by planting bulblets which grow on the vines. Plant the bulblets an inch deep in any good soil, in May. The first winter after planting, cover them a little with leaves or straw, but after that they are perfectly hardy. Package of one dozen bulblets (ready in April) 25

- DELPHINIUM** *formosum*, (Perennial Larkspur): A splendid plant bearing flowers which are of one of the most beautiful shades of blue known; per doz., \$1.00; each, 20
- DAY LILY**, white, each, 30
- Blue*, small blue flowers, 20
- DICENTRA** *spectabilis*, (Bleeding Heart): A beautiful plant, bearing graceful racemes of pink and white flowers early in the spring, 25
- LILIES**: Of the hardy Lilies I have a nice lot of the most desirable sorts. Plant 5 or 6 inches deep. It is well to protect a little dur-



PANSY.



PHLOX DROMMONDII.



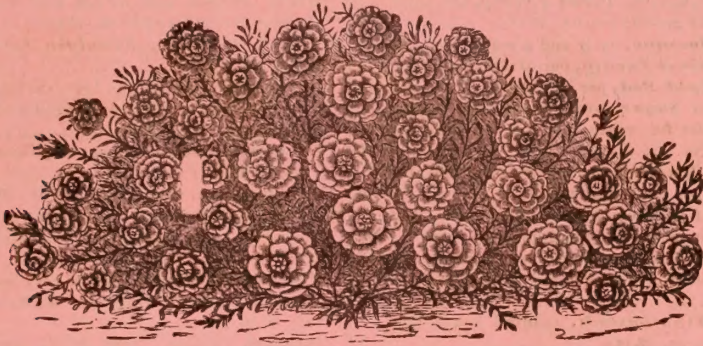
GENOTHERA.
(Evening Primrose.)

ing winter with leaves or straw, in the North, leaving it on through the summer to keep the ground cool and moist.

- Lilium Auratum*, very large fragrant flowers, white, spotted with purple..... 50
 - candidum*, common white; orders can be filled early in the spring or August, the best season for planting this sort..... 25
 - Japonicum longiflorum*, white, trumpet-shaped flowers, 5 inches long..... 25
 - lancifolium rubrum*, white and rose-red, spotted with crimson, one of the best..... 25
 - lancifolium album*, white..... 50
 - tigrinum*, (Tiger Lily), red spotted black... 75
 - tigrinum flore-pleno*, (Double Tiger Lily)..... 25
 - superbum*, (Superb Lily), orange-red, spotted black..... 25
 - Thunbergianum grandiflorum*, dark red..... 35
- I will send three good sorts of Lilies for 50 cents; *lancifolium rubrum*, Double Tiger and *Thunbergianum grandiflorum*.

- LILY OF THE VALLEY**, (*Convallaria majalis*), bears racemes of delicate white flowers; per doz., 75 cts.; half doz., 40 cts.; each..... 15
 - LOBELIA cardinalis**, (Cardinal Flower), spikes of brilliant, dark scarlet flowers..... 25
 - PEONY**, *Double Pink*, each..... 25
 - Double White*..... 25
- PANSIES**: I can furnish nice flowering plants

- in May; 12 fine varieties of my selection for 50 cents; 6 varieties for 30 cents; each..... 15
- PERENNIAL PHLOX**: The Perennial Phlox is, without doubt, the finest of the hardy herbaceous plants. The flowers are white and of every shade of red and purple, usually with a distinct crimson eye, and are produced in immense bunches from July to October. They do well in partial shade, and are especially fine for city gardens. About 40 of the best named sorts; per doz., \$2.50; each..... 25
- Seedling Perennial Phloxes** often so nearly resemble the named sorts that they can not be told apart; finest mixed per doz., \$1.00; half doz., 50 cts.; each..... 15
- PHLOX subulata**, (Moss Pink): A low, moss-like plant, covered in early spring with a mass of rose-colored flowers..... 25
- subulata alba*, a white variety of the above..... 25
- TRITOMA uvaria**, (Flame Flower): A very showy half-hardy plant, with long spikes of curious orange and red flowers on stems 4 or 5 feet tall. The roots may be taken up in the fall, and will keep safely in any cellar till spring..... 25
- WATER LILY**, (*Nymphaea odorata*): The beautiful, fragrant Water Lily will grow and blossom in any pond, tank or tub of water. Take a strong barrel, saw in two, put in about



DOUBLE PORTULACA.

six inches of pond mud or good loam; cover the roots 2 inches deep in this, and fill the tub carefully with water, keeping it full during the summer. Put the tub in a cellar in the winter, filling it with water. Roots (ready about April 20), \$2.50 per doz.; each..... 25

Dollar Collection of Bulbs and Plants.—For \$1.00 I will send, postpaid, the following collection of Bulbs and Plants, provided it is ordered before April 10, and no change made in the varieties: 1 Gladiolus (Lord Byron), 12 White Oxalis, 4 Delphinium formosum, 3 Seedling Perennial Phlox, 1 Double Tiger Lily, 1 Tritoma uvaria.

Hardy Dutch Bulbs.

Orders for these can only be filled in October. Plant in October and November. Fifty bulbs at hundred rates; six at dozen rates.

HYACINTHS, fine mixed varieties; per doz., \$2.00; each..... 20

TULIP; The Tulip is the most showy and satisfactory of the spring-blooming bulbs. The double varieties are almost as large as Pœonies, and of brighter colors. Everybody should have a few.

Mixed Single Early, per hundred, \$3.00; per doz., 50 cents; each..... 8

Mixed Double, per hundred, \$3.00; per doz., 50 cts.; each..... 8

CROCUSES, mixed, per hundred, \$1.25; per doz..... 2

◀ **VEGETABLE SEEDS.** ▶

I do not offer a long list of varieties, but such as experience has shown to be the best. I test all the novelties in Vegetable, as well as Flower Seeds, as soon as offered, and those of real value will be added as fast as proved better than the older sorts.

No half ounces made except as noted.

BEANS, BUSH, Early Rachel, earliest and best; per pint, 25 cts..... 10

Wax, or Butter, used for snap beans; per pint, 35 cts..... 10

BEANS, POLE, Speckled Cranberry, per pint, 35 cts..... 10

White Cranberry, like the above, except in color; preferred where known; per pint, 35 cts..... 10

Giant Wax, used for snap beans; very tender, thick, creamy yellow pods; per pint, 40 cts..... 10

Large Lima, very buttery and rich; per pint, 40 cts..... 10

Dreen's Improved Lima, earlier and more productive than the old Lima, the beans growing closely together in the pods. The best bean grown; per pint, 45 cts..... 15

Yard Long, grown as a curiosity on account of its pods, which grow 2 or more feet long. 10

CORN, SWEET, Marblehead. In a test trial of 9 early varieties made by me last season, this sort proved the earliest of all. Ears of good size and quality..... 10

Ford's Early, a new variety, with small but very perfect-formed ears, and decidedly

the tenderest and sweetest of all the early sorts; a few days later than Marblehead.... 10

Crosby's Early, a week or two later than the above; ears large, 12-rowed; tender and sweet; per pint, 25 cts..... 10

Black Mexican, very tender and sweet; per pint, 30 cts..... 10

Stowell's Evergreen, late; per pint, 25 cts.. 10

Egyptian, new, very tender, and the sweetest of all varieties; very large and prolific, and a week or two later than the Evergreen; per pint, 25 cts..... 10

New Joint Pop Corn, very productive, bearing 4 or 5 ears to each stalk..... 10

PEAS, Carter's First Crop, very early, per pint, 30 cts..... 10

McLean's Little Gem, a very early, fine-flavored, wrinkled pea; per pint, 35 cts.... 10

American Wonder, a new, very dwarf, wrinkled sort, and one of the best for family use; very productive, and only about 10 inches tall; per pint, 50 cts.... 15

Champion of England, per pint, 30 cts... 10

ASPARGUS, Conover's Colossal, largest and best; soak the seed in warm water before sowing; per oz., 10 cts..... 5

<i>BEEF, Egyptian Blood Turnip</i> , the earliest variety grown; per oz., 10 cts.	5	<i>White Japan</i> , one of the best and most sugary varieties; per oz., 15 cts.	5
<i>Early Bassano</i> , early and good; per oz., 10c	5	<i>MELON, WATER, Mountain Sweet</i> , per oz., 10 cts.	5
<i>Early Blood Turnip</i> , per oz., 10 cts.	5	<i>Phinney's Early</i> , the best variety grown for the North; very early, productive, and sweet; per oz., 10 cts.	5
<i>Long Blood Red</i> , per oz., 10 cts.	5	<i>Ice Cream</i> , white-seeded, very sweet; per oz., 15 cts.	5
<i>Imperial Sugar</i> , very sweet, and a fine table sort for winter use if sown late; per oz., 10 cts.	5	<i>Cuban Queen</i> , very large; per oz., 50 cts.	5
<i>Mangel Wurtzel, Carter's Long Red</i> , for cattle; per lb., 75 cts; per oz.	10	<i>ONION, Early Red Globe</i> , a very early and handsome globe variety; per oz., 25 cts.; per lb., \$2.75	5
<i>BROCCOLI</i> , resembles the Cauliflower, harder and more sure to head; per oz., 50 cts.	10	<i>Wethersfield Large Red</i> , a very large and popular market variety; per oz., 25 cts.; per lb., \$2.50	5
<i>CABBAGE, Early York</i> , per oz., 15 cts.	5	<i>Danvers Yellow, (true Globe variety)</i> , the best and most productive yellow variety; per oz., 25 cts.; per lb., \$2.75	5
<i>Little Pixie</i> , very early and tender; per oz., 20 cts.	5	<i>White Globe</i> , large; mild flavor; oz., 25 cts.; per lb. \$4.00	5
<i>Early Winningstadt</i> , pointed heads; fine sort; per oz., 25 cts.	5	<i>PARSNIP, Covent Garden</i> , the most elegant curled sort	5
<i>Early Wakefield, (American)</i> , very popular market variety; per oz., 75 cts.; half oz., 40c	10	<i>PARSNIP, Sutton's Student</i> , very sweet; per oz., 10 cts.	5
<i>Newark Early Flat Dutch</i> , a first-rate second early sort; per oz., 70 cts.; half oz., 35 cts.	10	<i>PEPPER, Squash, or Tomato-formed</i> , per oz., 30 cts.	5
<i>Henderson's Early Summer</i> , one of the most profitable early sorts for market; per oz., 75 cts.; half oz., 40 cts.	10	<i>Sweet Mountain, or Mammoth</i> , per oz., 30c	5
<i>Stone Mason Marblehead</i> , a very solid and first-rate winter variety; per oz., 60 cts.; half oz., 35 cts.	10	<i>Cherry-form'd</i> , small and very hot; per oz., 30 cts.	5
<i>Marblehead Mammoth</i> , the largest variety grown; per oz., 50 cts.; half oz., 30 cts.	10	<i>PUMPKIN, Large Cheese</i> , per oz., 10 cts.	5
<i>Premium Flat Dutch</i> , per oz., 35 cts.	5	<i>Nigger</i> , the old-fashioned, hard-shelled black variety	5
<i>Fottler's Improved Brunswick</i> , per oz., 50 cts.; half oz., 30 cts.	10	<i>RADISH, Long Scarlet</i> , per oz., 10 cts.	5
<i>Drumhead Savoy</i> , per oz., 15 cts.	5	<i>Red Turnip</i> , per oz., 10 cts.	5
<i>Large Late Blood Red</i> , for pickling; per oz., 25 cts.	5	<i>French Breakfast</i> , olive-shaped, red, per oz., 10 cts.	5
<i>CAULIFLOWER, Early Snowball</i> , the earliest and most reliable variety, nearly every plant producing a fine, solid head; quarter oz., \$1.50; half oz., \$3.00; oz., \$6.00	35	<i>White Turnip</i> , per oz., 10 cts.	5
<i>CITRON, New Californian</i> , for preserves; per oz., 10 cts.	5	<i>Chinese Rose Winter</i> , per oz., 15 cts.	5
<i>CARROT, Early French Short Horn</i> , per oz., 15 cts.	5	<i>Californian Mammoth White Winter</i>	5
<i>Half-Long Scarlet Stump-Rooted</i> , per oz., 15 cts.	5	<i>SPINACH, Round-Seeded</i> , the best; per oz., 10 cts.	5
<i>Long Orange</i> , per oz., 15 cts.	5	<i>SQUASH, SUMMER, Early Bush Scallop</i> , per oz., 10 cts.	5
<i>CELERY, Boston Market</i> , very popular market sort; per oz., 40 cts.; half oz., 25 cts.	5	<i>Early Bush Crook-Necked</i> , per oz., 10 cts.	5
<i>Turner's Dwarf White</i> , one of the best; per oz., 25 cts.	5	<i>SQUASH, WINTER, Hubbard</i> , per oz., 10 cts.	5
<i>Turner's Dwarf Crimson</i> , per oz., 20 cts.	5	<i>Marblehead</i> , very fine grained, dry and sweet; keeps better than Hubbard; per oz., 10 cts.	5
<i>CHICORY</i> , cultivated for the roots, which are roasted and used as a substitute for coffee. Culture like carrots; per oz., 10 cts.	5	<i>Turban, or Turk's Cap</i> , a very fine fall sort; per oz., 15 cts.	5
<i>CUCUMBER, Early Netted Russian</i> , new and the earliest; per oz., 15 cts.	5	<i>Boston Marrow</i> , per oz., 15 cts.	5
<i>Early Russian</i> , per oz., 10 cts.	5	<i>Perfect Gem</i> , very productive and fine grained, and a good keeper; per oz., 25 cts.	5
<i>Early Cluster</i> , per oz., 10 cts.	5	<i>SALSIFY, or Vegetable Oyster</i> , per oz., 25c.	5
<i>White Spine</i> , per oz., 10 cts.	5	<i>TOMATO, Hathaway's Excelsior</i> , very early, solid, round and smooth as an apple; per oz., 40c.	5
<i>Tailby's Hybrid</i> , a new sort, a cross between White Spine and an English variety; one of the handsomest and best table sorts grown; per oz., 15 cts.	5	<i>Trophy</i> , very large and solid; per oz., 50 cts.	5
<i>Green Prolific</i> , new, and said to be the most productive and best pickling Cucumber, also a fine table sort; per oz., 10 cts.	5	<i>Acme</i> , a very early, smooth and solid sort; per oz., 25 cts.	5
<i>CRESS, or Pepper Grass</i> , used as a salad, mixed with Lettuce.	5	<i>Perfection</i> , a very solid, smooth sort; large, and one of the earliest: in quality not excelled by any other: the best Tomato yet produced; per oz., 40 cts.	10
<i>EGG PLANT, Improved New York Purple</i> .	5	<i>Strawberry, or Winter Cherry</i> , a distinct species, the fruit growing in a husk; nice for canning; per oz., 50 cts.	5
<i>KOHL RABI, Large Early Purple</i> , per oz., 35 cts.	5	<i>TURNIP, ENGLISH, Early White Flat Dutch</i> , per oz., 10 cts.	5
<i>LETTUCE, Malta Drumhead, or Ice Cabbage</i> , per oz., 15 cts.	5	<i>Strap-Leaved Red-Top</i> , per oz., 10 cts.	5
<i>All the Year Round</i> , new and fine; per oz., 25 cts.	5	<i>Yellow Globe</i> , per oz., 10 cts.	5
<i>Early Tennis Ball</i> , early and good; per oz., 15 cts.	5	<i>Orange Jelly</i> , per oz., 10 cts.	5
<i>Boston Curled</i> , per oz., 25 cts.	5	<i>Jersey Navet</i> , new, like the Parsnip in form, and the sweetest and best of all for table use; per oz., 10 cts.	5
<i>MELON, MUSK, Prolific Nutmeg</i> , per oz., 15 cts.	5	<i>TURNIP, SWEDEN OR RUSSIAN, White Sweet</i> , per oz., 10 cts.	5
<i>Casaba</i> , a very large, oblong, sweet and delicious, green-fleshed sort, growing to a weight of 10 or 15 lbs. each; per oz., 10 cts.	5	<i>Laing's Purple Top</i> , yellow; per oz., 10 cts.	5
		<i>SWEET OR POT HERBS</i> . Each of the following are 5 cents per packet:	
		<i>Basil, Sweet, Sage, Marjorum, Sweet, Horehound, Tansy, Summer Savory, Pennyroyal, Thyme, Lavender, Caraway, Saffron, Catmint, Coriander, Dandelion.</i>	

NOVELTIES FOR 1883.

Now offered for the first time in this Country, and other Varieties of recent introduction of special merit.

Acroclinium Roseum, New Double. A beautiful double form of this popular Everlasting, which cannot fail to become a general favorite.....	25	Lobelia, White Gem. A compact, bushy, dwarf variety, with pure white flowers.	25
Ammobium alatum grandiflorum. This is a valuable addition to the hardy Everlastings, the flowers being twice the size of the old variety.....	20	Mignonette, Golden Queen. A distinct compact-growing variety, with golden yellow flowers.....	20
Candytuft, Dwarf White. An exceedingly fine and distinct new variety, continuing to bloom much longer than the old sorts. The plants are only 4 or 5 inches tall, of spreading, bushy habit, and completely covered with large clusters of pure white flowers.....	10	Nicotiana affinis. This is one of the finest new annuals of recent introduction. The flowers are two or three inches long and about as much in diameter, white, and almost as fragrant as the Tuberose. The plants are about two feet tall and are in bloom all summer. Sow seed under glass or in the open ground. Half-hardy annual.....	15
Convolvulus minor, Rose Queen. A charming novelty, with rose-colored flowers, center pure white, fringed with purple-violet, shading off into ribbons of golden yellow.....	25	Nicotiana variegata. A beautiful new foliage plant with large, showy white and green leaves. Half-hardy annual. Culture like the last; 4 feet tall.....	20
Chrysanthemum furtescens (Paris Daisy). Star-like white flowers with yellow centers. This is the variety so popular for cut flowers.....	15	Pansy, Lord Beaconsfield. An elegant new variety of a purple-violet color shading off on the top petals to a white hue.	25
Chrysanthemum, The Sultan. A new and fine annual variety. The flowers are rich, velvety maroon, with yellow and brown centers.....	15	Petunia, New Emperor. A splendid new strain, unsurpassed for variety of colors and markings; from the richest crimson to the most delicate rose and white there is every gradation. Some have a clearly-defined white center, the other portion of the corolla being colored; some are evenly or irregularly streaked and blotched with white, and others are elegantly veined with crimson, violet and maroon on a light ground. Many of the varieties are of very large size. In splendid mixture.....	25
Cotton (Gossypium herbaceum). I am often asked for seeds of this plant, and, as it will prove a decided novelty to many, include it in this list.....	5	Sunflower, Oscar Wilde. A distinct variety that originated at Newport, R. I. The plant is of dwarf and compact habit, and the flowers are small, with jet black centers and golden yellow petals, and are produced in abundance from June till frost.....	15
Edelweiss (Leontopodium Alpinum). A pretty Alpine plant, a native of the Swiss Alps, where it grows in the most inaccessible places. The flowers are of a downy texture and pure white. They are considered very choice and sold at a high price in Switzerland.....	20	Virginian Stock, Fairy Queen. A new and elegant variety, of dwarf, compact habit. The flowers are of a rich carmine crimson color, changing to a soft rose, and when seen in a mass the combination of these tints is most pleasing. Blooms profusely all summer till hard frosts.....	15
Gaillardia picta Lorenziana. This is one of the most valuable novelties introduced for several years. The flowers are produced in large globular and semi-globular heads in abundance through the summer and autumn. The colors are sulphur yellow, golden yellow, orange and claret; mixed colors.....	15	Zephyranthus Treati. A beautiful bulbous plant of recent introduction, a native of Florida. Each bulb produces a flower-stalk about a foot in height, on the top of which is borne a Lily-like, pure white, sweet-scented flower, 2 to 3 inches in diameter. It blooms in from 4 to 6 weeks after planting, and is exceedingly fine for house culture. Succeeds in any good garden soil. The bulbs are small, and 5 or 6 can be planted in a 6-inch pot. First size bulbs, 15 cts. each; 2 for 25 cts.; 5 for 50 cts.; 12 for \$1.00. (Ready in April.)	
Gomphrena nana compacta. A dwarf variety of the Globe Amaranth, only about five inches tall. The flowers are of a rich purple color.....	10		
Godetia Bijou. A new compact dwarf variety, the flowers pure white, with a bright rose-colored spot at the base of each petal.....	20		
Godetia, Lady Albemarle. A splendid showy plant, with large, brilliant, rose-colored flowers that cover nearly the whole plant.....	10		
Helichrysum, Fireball. The flowers of this new variety are of a deep crimson color, and the brightest of any Everlasting.....	15		

Bowker's Food for Flowers.

This is a fertilizer made expressly for flowers grown in the house or garden. It is free from odor and clean to handle. It produces a healthy, luxuriant growth, and induces early and profuse flowering. A trial will prove its value. Trial packages containing sufficient for twenty ordinary house plants for three months, post-paid for twenty cents; larger packages thirty-five cents. Directions for applying, which are simple, and a little book on "How to Propagate and Cultivate House Plants," by S. T. Maynard, Professor of Horticulture at Mass. Agricultural College, free with each package.

Genuine Dalmatian Insect Powder.

This is the best article I have ever tried for the destruction of insects. It is sure death to many of the insect pests which infest plants in the house or garden, and also to Flies, Mosquitos, Fleas, Roaches, Red Ants, etc. It is easy to apply, and perfectly harmless to plant or human life. Price in sifting-top can, with directions for applying, thirty cents, post-paid.

A Special Request.

It sometimes happens that two Catalogues are sent to one address: and should you receive more than one, or have no use for this one, please hand it to some friend, who will be likely to need some choice seeds.

OPINIONS OF CUSTOMERS.

I AM constantly receiving letters from all parts of the country, containing entirely unsolicited expressions of the satisfaction and success of customers. I take the liberty of publishing extracts from a few lately received, to show those who have never dealt with me that my seeds are just as represented. The gardens of customers are my best advertisements, and it is very gratifying to know that they have such unexceptional success and are so highly pleased with the seeds I furnish. I return my sincere thanks for the many kind sentiments and for the efforts many have made to extend my trade, and I shall try by furnishing the best of seeds and liberal dealing to merit a continuance of orders. Occasionally a failure occurs, and I am asked to replace seed which has failed to grow, and when such failure is caused by any possible mistake of mine, I am willing to restore fourfold. I furnish all my customers with precisely the same quality of seed, just such as I would, and do, sow myself; and when ninety-nine succeed admirably, and the one hundredth one fails with seed that is all put up from one lot, it is impossible that the fault can be with the seed. All experienced gardeners well know that, no matter how good the seed, failure will sometimes occur from unfavorable weather and other causes entirely beyond control, and for this reason I do not warrant seeds to always grow and produce a crop.

From Mrs. W. S. BEARDSLEY, Centerville, St. Jo. Co., Mich.—I sent last year for a 25-cent package of seeds. I had good success with all, though it was my first experience in flower culture. The Verbenas were lovely, and the admiration of all who saw them. I got premiums on all the flowers I took to the County Fair.

From JAMES W. SPENDLOVE, Fergus Falls, Minn.—I send you \$4.70 for seeds for myself and neighbors. My flowers were magnificent last season. My pure white Pansies, Phlox, Verbenas and Salvia splendens were the admiration of the whole flower-loving community. I want to say that I have compared your prices with all the larger and more pretentious catalogues, and think yours are decidedly the most reasonable on the whole. Am more than satisfied with your seeds. Have tried lots of others, both before and since dealing with you, but can find none that will compare in growing qualities or in coming true to name with yours.

From M. G. TEEPLE, Cascade, Kent Co., Mich.—I sent last year for a 25-cent collection of flower seeds for my oldest boy, aged 15 years. He sowed them, following the directions in your Catalogue, and had the finest flower garden around. He has raised a club of 12 for your collection this year, which I enclose.

From Mrs. WM. SPANGLER, Winamac, Pulaski Co., Ind.—Will just say that the package of seeds you sent me last spring proved very satisfactory, the Pansies alone being worth the price of the whole.

From JAS. J. CONDON, 114 Washington Market, New York City.—Enclosed please find money for a club of 8 for the 25-cent collection. Last year I sent money for a club of four. The seeds gave good satisfaction to all but one, and he, I think, did not care for them properly, and he is also of the same opinion. The Pansy seed I got last year turned out extremely well, and the pleasure my wife and children got from them was worth more than five times the price of the whole business.

From Mrs. I. D. MUNROE, Warren, Bristol Co., R. I.—A friend of mine planted a paper of your Verbena seed last year. Every seed seemed to come up and grow, and I never saw a more lovely bed in my life. Every color that Verbenas ever boast seemed to be among them, and if mine succeed only half as well I shall be more than satisfied.

From Mrs. M. L. BROWN, 4055 Sanson St., West Philadelphia, Pa.—The seed I had from you last year were most excellent. I have many elaborate works on Floriculture, but the simple directions in your Catalogue for the cultivation of flowers on a small scale are the very best I have.

From G. H. JOST, 172 So. St., Halifax, Nova Scotia.—I enclose \$3.00 for seeds. I have been buying from you for the past few years, but only partially, and I have come to the conclusion that I cannot do better than to get all I require from you. I have bought from others in the States, but I get better and more varieties in packets from you than from any one else.

From Mrs. FANNIE DOSIER, Brownsville, Oregon.—I raised the finest Everlasting flowers last summer from the seed you sent me that I ever saw. I made 14 bouquets and exhibited them at our County Fair, and got First Premium for the best display. They were greatly admired by all who saw them. There were other Everlastings there, but they were no comparison to mine.

From Mrs. B. S. BLISS, Oneco, Ct.—My little girl, nine years old, has succeeded in getting five subscribers for your 25-cent collection. I had one last year. The Phlox had over fifty varieties of color and shading.

From Mrs. G. W. CARY, Darlington, Beaver Co., Pa.—I wish to say, in justice to you, that the flower seeds received from you last spring were of the finest quality—large and true to name. All are in full bloom at time of writing, and the Pinks and Pansies are the best I ever saw.

From ORIN HEATON, New Berlin, Chenan. Co., N. Y.—I sent for your 25-cent collection last year, and feel that I was amply paid, for I never had Aster seed that I paid 20 cents a paper for come up so well. I had the nicest Asters I ever raised, and I have bought seed of *** and ***. My Verbenas were splendid.

From Mrs. CAROLINE BURROUGHS, Bridgeport, Ct.—I sent for your 25-cent collection of seeds, and was so delighted with the investment that I can but acknowledge the same to you. I think every seed germinated, and my Asters, Phlox and Verbenas were the finest I have had for fifteen years, in which time I have purchased from at least ten different florists.

From A. C. STARK, Waterville, Me.—The Verbenas far excel any I ever had before for variety and size. The Stocks are very fine, some of them the handsomest ever seen here. The Perfection Balsams are very beautiful, and the Petunias are splendid and of great variety.

From Mrs. C. BLUM, 4808 Main St., Germantown, Pa.—I was very much pleased with your seeds last year. The Asters were splendid, and I had twelve varieties of Ornamental Gourds.

From Mrs. S. J. NIMS, Garden City, Minn.—Your seeds gave good satisfaction, as they always do, and, though the season was very unfavorable, I was awarded First Premium on Asters and Pansies at the County Fair.

From Mrs. LYMAN BEWENT, Millerton, Pa.—The flower seeds from you last year gave perfect satisfaction. I am sure every seed came up. Those accustomed to raising Pansies said there was the greatest variety of colors in ours they ever saw.

From Mrs. M. M. STACE, Marshall, Mich.—Your collection of last year gave me great satisfaction. The Verbenas took the premium at our Fair.

From L. TRIPLETT, JR., Mt. Jackson, Va.—I find your seeds better than any I have been able to get from other seedmen.

From Mrs. C. D. PRICE, Sioux Falls, Minnehaha Co., Dakota.—I tried your 25-cent collection last year, and the Asters and Verbenas were splendid. They were pronounced by all the nicest they ever saw.

My Catalogue for 1884 will be published in January next, and I design to have it reach all my customers before the first of February; but if any fail to receive it in due time, and will notify me by postal card, I shall be pleased to forward another. The prices in this list will hold good until another is issued.