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GOODELL'S
Illustrated Catalogue
— OF —

DOUBLE PORTULACA.

Seeds Bulbs

FOR 1881.

ADDRESS,

L. W. GOODELL,

AMHERST, MASS.

Bangs & Co., Printers, Amherst.

INTRODUCTORY.

I have the pleasure of sending you a copy of my Catalogue of Seeds and Bulbs for 1881, and take the opportunity to return my best thanks for former orders. I shall continue to furnish only the choicest Seeds and Bulbs, and expect by so doing to retain the trade of my old customers and add many new names to my books each year. To those who receive it for the first time and have never dealt with me, I will say that the Seeds and Bulbs I offer (with the exception of such varieties as do not perfect their seeds in this climate or are better for being grown elsewhere) are of my own growing, and in quality cannot fail to please all. I have endeavored to improve many of the most popular varieties, 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, Phlox Drummondii, Double Portulaca, Petunias, Verbenas and Double Zinnias, which have been awarded numerous First Premiums at Fairs where I have exhibited them. I test the germinating qualities of every variety before sending out, and do not intend that a single packet shall leave my hands that will fail to grow through fault of mine. The great advantage of buying seeds *direct from the grower* will be apparent to everybody.

Prices.-- It is my constant study to furnish the Best Seeds at the Lowest Prices, which will be found in many cases from twenty-five to fifty 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 or Canadas by mail, postage paid, at the prices annexed; and I 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. Fractional parts of a dollar may be sent in 1-cent, 2-cent and 3-cent postage stamps, (3-cent preferred); but if stamps are used for change, please do not detach them or stick them to the paper in the least. 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, always intending to do a little more than I promise or fair dealing requires, yet mistakes may sometimes occur, in which case please notify me at once, so that I can make 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, if the directions for sending money have been followed.

Be sure and not forget to write *Name, Post Office, County and State*, and if customers will please anticipate the planting time and order as *early* as possible, it will be an accommodation to me, and the 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.

\$2 Collection of Bulbs and Plants.

I will send the following collection of Bulbs and Plants, post-paid, for two dollars, provided it is ordered before April 10th and no change made in the varieties. (Ready April 15.)

- 6 *Gladiolus*, fine mixed varieties.
- 25 *Oxalis Deppii*.
- 25 *Oxalis*, White.
- 1 *Aquilegia cœrulea*.
- 3 Chinese Yam, second size roots.

- 1 *Lilium lancifolium rubrum*.
- 1 *Lilium Thunbergianum grandiflorum*.
- 6 Perennial Phlox, Finest Mixed Seedlings.
- 2 Phlox subulata, (Moss Pink.)
- 1 *Tritoma uvaria*, (Flame Flower.)

\$1 Collection of Seeds.

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

- Antirrhinum*, (Snapdragon,) tall varieties mixed.
- Alyssum*, Sweet.
- Asperula azurea setosa*.
- Aster*, New Rose, mixed colors.
- Aster*, Newest Dwarf Bouquet.
- Balsam*, Common Double, mixed colors.
- Calliopsis*, all colors mixed.
- Cassia chamaecrista*.
- Convolvulus minor*, (Dwarf Morning Glory.)
- Cockscomb*, New Japan. [varieties.
- Dianthus*, (China and Japan Pinks,) mixed
- Mignonette*, Miles' New Spiral.
- Eurothera Lamarkiana grandiflora*.

- Pansy*, all varieties mixed.
- Petunia*, Blotched and Striped.
- Phlox Drummondii*, all varieties mixed.
- Portulaca*, Double Rose-flowered, mixed colors.
- Verbena hybrida*, choicest mixed.
- Whitlavia*, mixed colors.
- Zinnia*, Double, choicest mixed colors.
- Ammobium alatum*.
- Melichrysmon monstrosum*, mixed colors.
- Morning Glory*, mixed colors.
- Gourds*, Ornamental, mixed varieties.
- Briza arvensis*, (Shaking Grass.)
- Sweet William*, finest mixed.

25-Cent Collection of Seeds.

Last year I grew the ten varieties named below in very large quantities, and all of the first quality, for this collection. They are put up in separate packets and these enclosed in an envelope, on which is printed the name of each variety, numbered to correspond with numbers on the packets. They are now ready for mailing and will be sent to all who desire for only 25 cents, until stocks become exhausted, which often occurs late in the season, so great is the demand. I sent out many thousands of a similar collection last year, and am constantly receiving reports of the success of those who ordered it; and I expect that all of my old customers and thousands of new ones will be glad to avail themselves of such an offer this year. I always try to accommodate customers as far as possible, but no change can be made in the varieties; two or three are well worth the price of the ten, and it is the best collection ever offered for so small a sum.

Aster, Cocardean or Crown, mixed colors.

Aster, Betteridge's Prize, mixed colors.

Ageratum Lasseauxii, pink.

Ammobium alatum, (White Everlasting).

Oenothera grandiflora, (Evening Primrose).

Miles' New Spiral Mignonette.

Phlox Drummondii, all colors mixed.

Salvia coccinea splendens, (Scarlet Salvia).

Sweet William, all varieties mixed.

Verbena, seed saved from over 100 varieties.

PREMIUMS TO CLUBS.

Many are so highly pleased with my seeds that they commend them to others and raise clubs among their neighbors; and this is not only fully appreciated on my part, but I will reward liberally all who thus assist in extending my trade; for I find that one successful customer often brings me a dozen others. Some write that it is no trouble at all to get up clubs, the seeds are so good and cheap.

For a club of four subscribers to the 25 cent collection, remitting one dollar, I will send FREE to the raiser of the club the four following new and choice varieties:—

Aster, Imbrique Pompon, mixed colors.

Balsam, Camellia-fl. Perfection, white.

Dianthus, (Japan Pink), "Eastern Queen."

Phlox grandiflora splendens.

I will send seeds of other new or choice varieties to the value of ten cents for each subscription over four.

Those who make a general selection of seeds in packets, either for themselves alone or in clubs with neighbors, may select extra seeds *in packets only*, to the value of twenty cents for each dollar sent. 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 many cases.

The seeds will be put up together and sent to one address, or in separate packages sent to each member of the club, as desired. Please give the names and post offices of the members of the club, so that a catalogue can be sent to each one.

Address all orders,

L. W GOODELL,

Amherst, Mass.

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 20 cents; larger packages 35 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 the 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 and garden, and also to Flies, Mosquitoes, Fleas, Roaches, Red Ants, &c. It is easy to apply, and perfectly harmless to plant or human life. Price in sifting top can, 35 cents, post-paid. Directions for applying and the pamphlet, "Insect Enemies of the Garden and How to Destroy Them," free with each box.

The Insect Enemies of the Garden, and How to Destroy them.

I am often asked for information on this subject, and have written a pamphlet with the above title, giving descriptions of the various insect pests which infest house plants, the garden and orchard. It is worth many times its price to any one who has house plants or a garden to care for. Price five cents.

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 where 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 kinds 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 covered make the soil firm again with the hands, and 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. 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, 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 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 all 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.

Good Books on Horticulture.

I can furnish the leading books on Horticulture and kindred subjects at the usual prices, by mail post-paid, of which the following are some of the best:—

Barry's Fruit Garden,	\$2 50	Harris' Insects Injurious to Vegetation,	4 00
Cook's Manual of the Apiary,	1 50	Henderson's Gardening for Profit,	1 50
Dowding's Landscape Gardening,	6 50	Henderson's Gardening for Pleasure,	1 50
Downing's Fruits and Fruit Trees of America,	5 00	Henderson's Practical Floriculture,	1 50
Elliot's Lawns and Shade Trees,	1 00	Roe's Play and Profit in My Garden,	1 50
Fuller's Small Fruit Cultivist,	1 50	White's Gardening for the South,	2 00
Fuller's Grape Cultivist,	1 50	Wax Flowers and How to Make Them,	2 00
Flint (Charles L.) on Grasses,	2 50	Williams' Window Gardening,	1 50
Gray's School and Field Book of Botany,	2 50	Yonman's Household Science,	1 75

CALLIOPSIS.

EUPHORBIA.

CENTOTHEA.

WHITLAVIA.

AGERATUM.

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 of the flowers which adorn the garden and lawn.

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

Ageratum : Pretty, hardy annuals, with abundance of flowers through the season. Fine for bouquets. Set plants 8 inches apart.

Ageratum Mexicanum, blue; 1 foot, 5
caelestinum, Tom Thumb, light blue; compact; 8 inches, 5

Dwarf White, sow early; 6 inches, 5
Lasseauxii, beautiful pink flowers, 5

Agrostemma, hardy annual, with flowers resembling single pinks. Transplant or thin plants to four inches apart; mixed colors, 5

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

Wierzebeckii, hardy perennial; yellow; 1 ft., 5

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.

Amaranthus salicifolius, a beautiful plant, long, narrow, wavy, dark-colored leaves; plant pyramidal, from 2 to 4 feet in height, 5

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

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

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.

Antirrhinum majus, 18 inches tall; mixed colors, 5

Tom Thumb, dwarf and compact; 8 inches; mixed colors, 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 ten inches in height and plants may stand six inches apart, 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 five or six inches. Make the soil deep and rich for Asters.

Aster, *Truffaut's Paony-flowered*, large flowers, petals slightly reflexed; 2 feet; mixed colors, 15

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

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; mixed colors, 10

Cocardeau, or *New Crown*, a beautiful variety; flowers large, double, with white quill-

MILES' NEW SPIRAL MIGNONETTE.

ROSE ASTER.

- ed centers, often surrounded with flat petals of another color; 18 inches; mixed colors, . 10
- Washington**, new; flowers very double and perfect, and of large size, measuring, under good culture, 4 or 5 inches in diameter; 2 feet; mixed colors, 15
- 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; one of the best, 15
- Hedge-Hog or Needle**, long, quilled, sharply pointed petals; curious; 2 ft.; mixed colors. 10
- 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 two or three 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.
- Balsam, Camellia-flowered Spotted**, German, double; spotted with white; mixed colors, 15
- Dwarf Camellia-flowered Spotted**, German; 10 inches tall; mixed colors, 15
- 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; packet of fifteen seeds, 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, . . 15
- Rose-flowered**, French, double; mixed colors, 15
- Extra Double Dwarf**, double; 6 inches high; mixed colors, 15
- Common Double**, often only semi-double, . 5
- Bartonia aurea**, a showy, hardy annual, with large, brilliant golden yellow flowers. Sow seeds early where the plants are to bloom, and thin to eight 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
- Cacalia coccinea**, tassel-like scarlet flowers; half-hardy annual; sow in frames; 1 foot, . . 5
- 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 one to two feet in height and may be set about ten inches apart; mixed colors, . . . 5
- Callirhoe pedata**, fine hardy annual; flowers crimson, bordered with white; 2 feet, . . . 10
- Canna**, beautiful foliage plants with large, broad leaves, and scarlet or yellow flowers. Soak the seed in warm water for twelve hours before 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

DIANTHUS LACINIATUS FL.-PL.

PETUNIAS.

sown very early in the spring where they are to bloom, and the plants thinned to six inches.

Candytuft, Purple, 5

White, 5

Rocket, flowers in long spikes, pure white, 5

Lilac, 5

Sweet-scented, flowers in umbels, pure white 5

Rose, rosy lilac, 5

Dunnett's Extra Dark Crimson, 5

Above colors mixed, 5

New Carmine, true to color, 25

Cassia chamæcrista, a fine hardy annual, with bright golden yellow flowers; plant compact, with pretty, light green foliage; transplant to eighteen inches apart; 2 feet, 5

Celosia cristata, (Cockscomb): A very curious half-hardy annual, blooming from July till 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.

Cockscomb, crimson, rose, yellow, &c., mixed, 5

New Japan, a very beautiful variety, the combs delicately cut and of the brightest scarlet and crimson; two to three feet tall, 5

Celosia superba plumosa, a new and exceedingly beautiful feathered variety of the New Japan, coming true and good. Nothing I grew last season 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, 10

Centaurea (Bachelor's Button), a genus of very fine hardy plants, the colors varied and bright; mixed colors, 5

Centranthus macrosiphon, a very pretty plant; about 18 inches in height, producing large corymbs of small flowers. Set plants a foot apart; mixed colors, 5

Chenopodium Botrys (Oak of Jerusalem), hardy annual with innumerable, minute, green-

ish flowers which cover nearly the whole plant; not showy for the garden, but excellent for bouquets, 5

Chrysanthemum tricolor, a pretty Daisy-like hardy annual, the flowers white and yellow, 10

Chrysanthemum Indicum, for house culture, producing large double flowers late in the autumn; finest mixed, 25

Pompon, or Dwarf, from finest named flowers, 25

Cineraria hybrida, very popular profuse-blooming green-house perennials; first quality, mixed colors, 25

maritima, silvery white foliage; used extensively for bedding with the dark leaved foliage plants, 10

Coleus, the most popular of all foliage plants. Sow seed in a frame or in the house early; choicest mixed, 25

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

Cyclamen Persicum, profuse flowering greenhouse bulbs, 25

Datura: Large branching plants, about two feet in height, with magnificent large flowers. Start the seeds as early as possible, and transplant or thin to two feet apart.

Datura 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

SWEET WILLIAM, PERFECTION.

RICINUS. (Castor Oil Bean).

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. Seed saved from my collection of 50 choicest named varieties, 20

Delphinium, (Larkspur): Very fine and showy hardy annuals, with long spikes of flowers, and of the easiest culture. Sow as early in the spring as possible in the open ground, and thin the branching varieties to eighteen inches apart, and the Rockets to five or six inches.

Delphinium, 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

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 ten to fifteen inches high, and may be set ten inches apart. Seed germinates readily in the open ground or under glass.

Dianthus 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

lacinatus, very large, deeply fringed flowers; mixed colors, 10

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

diadematus flore-pleno, (Diadem Pink), very brilliant markings and colors, 15

Above nine varieties, mixed, 10

Heddewigii albus plenus, large, double, white, 10

Eastern Queen, a new and beautiful variety, flowers large, white, marbled with crimson, 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; eighteen inches tall, 5

Fuchsia, choicest mixed, 50

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 seed is sown where they are to bloom, and thinned to five inches apart; mixed colors, 5

Geranium: Beautiful and popular house and bedding plants which are easily grown from seed. The seeds germinate irregularly but quite surely, and the soil should not be disturbed for at least a month after sowing.

Geranium, Zonale, finest mixed, 20

Choicest fancy varieties, mixed, 50

Apple-scented, 25

Helianthus, (Sunflower), Double Green-centered, very double, 5

Mammoth Russian, very large, single, 5

AMARANTHUS SALICIFOLIUS.

SALVIA.

- Heliotrope*, popular, fragrant, tender plants; finest mixed, 15
- Lantana*, half-hardy, shrubby plants, with clusters of changeable Verbena-like flowers: sow under glass; finest mixed, 15
- 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 six inches in height, and plants should be set four or five inches apart; mixed colors, 5
- 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. Two feet in height.
- Lychnis Chalcedonica*, 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, 5
- 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.
- Mimulus 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 two feet in height, and plants should be set two feet apart; mixed colors, 5
- longiflora*, (Jockey Club), very long, white, sweet-scented flowers, 5
- longiflora violacea*, like the last but violet color, 5
- Moluccella Lævis*, (Shell Flower), a very singular hardy annual, a native of Syria, growing from two to three 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 pulustris*, the well-known Forget-me-not, producing clusters of delicate white and blue flowers, 10
- Nemophila*, a very pretty hardy annual, producing a profusion of small, white and blue often spotted flowers; about six inches high. Sow seed as early in the spring as possible, in a cool, shady place, and thin the plants to five inches apart; mixed colors, 5
- Enothera*, (Evening Primrose): Showy, hardy plants, which open their flowers suddenly about six o'clock in the evening.
- Enothera acaulis alba*, a very dwarf plant, producing exceedingly beautiful, pearly-white flowers, about four inches across, . . 10
- Lamarckiana grandiflora*, produces an abundance of long, yellow flowers, 4 inches across; very showy hardy biennial, blooming first season if sown early, 5
- 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 seed 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.

ASPERULA AZUREA SETOSA.

ANTIRRHINUM.
(Snapdragon).

CAMELLIA FLOWERED PERFECTION BALSAM.

NEWEST DWARF
BOUQUET ASTER.

DOUBLE PORTULACA.

The colors and markings are almost endless.
Set plants 8 inches apart.

Pansy, King of the Blacks, almost coal black, 15

Emperor William, ultramarine blue, with purple eye, 25

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, 20

Cliveden Purple, rich, deep purple, 20

Marbled Purple, 15

Striped and Mottled, very showy, 20

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

Odier, or Large-Eyed, large dark spots on each petal, 25

All varieties mixed, 10

Perilla Nankinensis, a dark-leaved foliage plant of great beauty; resembles the Colcus 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 two feet in height. Set plants eighteen inches apart.

Petunia grandiflora Kermesina, crimson, 20

grandiflora rosea, bright rose color, 20

grandiflora maculata, spotted, 20

grandiflora venosa, beautifully veined varieties, 20

grandiflora violacea, very large flowers of the richest violet, 20

grandiflora marginata, crimson, margined with green, 20

Above varieties, mixed, 15

Fringed, a beautiful variety, with fringed edges; 50 seeds, 25

Double: The Double Petunia bears no seed, and seed which 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

Countess of Ellismere, dark rose, white throat; fine bedder, 5

Blotched and Striped, very showy, 5

Finest mixed, large and small-flowered, 10

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 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.

Phlox Drummondii, Blood Purple, 10

Brilliant Scarlet, 10

Leopoldii, deep pink, with white eye, 10

Large Blue, white eye; fine purple, 10

rosea, rose color, 10

rosea, albo-oculata, rose, white eye, 10

MIRABILIS JALAPA.

CONVOLVULUS MINOR.

CELOSIA SUPERBA PLUMOSA.

MOLLUCCELLA LAEVIS.
(Plant). MOLLUCCELLA LAEVIS.
(Shell Flower).

- Radowitzii*, rose, striped with white, 10
Radowitzii Kermesina striata, crimson, striped with white, 10
Radowitzii violacea, violet striped with white, 10
flore albo, white, 10
flore albo oculata, white, with a dark eye, 10
Chamois Rose, very fine; delicate rose, 10
variabilis, violet and lilac, 10
Isabellina, pale yellow, 10
Violet Queen, violet, with large white eye, 10
Scarlet Fringed, 10
 Above varieties, mixed, 5
Carmine Queen, carmine, with large white eye, 25
grandiflora, an improvement on the old variety, with larger flowers of more perfect form; mixed colors, 10
grandiflora splendens, a new variety, of a bright crimson color, with a large, distinct, white eye, the flowers of very large size; a fine bedding plant, 15
Poppy, (Papaver): An old and well-known hardy annual; some of the best varieties are well worthy of culture.
Poppy, *Ranunculus*-flowered, small double flowers, of various colors; mixed, 5
Double Opium, splendid, large, double flowers; mixed colors, 5
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 become dried out, which will surely ruin the seed.
- Portulaca grandiflora*, rose, crimson, rosy purple, striped, white, yellow, etc., mixed, 5
Double Rose-flowered, a perfect 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 where they are to bloom, setting plants when small three 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. Seven fine colors mixed, first quality, 10
Double, New Golden Striped, a new, distinct and beautiful variety originated by me. The flowers are creamy white, broadly striped with golden yellow and sometimes with crimson, 15
Primula Sinensis, (Chinese Primrose), profuse flowering greenhouse plant; finest mixed, 50
flora-pleno, produces a large percentage of double flowers, 1 50
Ricinus, (Castor Oil Bean): A class of ornamental foliage plants of great beauty, and quite a tropical appearance. Leaves very large, sometimes two feet in diameter. Fine as single specimens, or in small groups. Plant the seeds in the open ground, about the middle of May, in this latitude, and give the plants good rich soil and plenty of room.
Ricinus macrocarpus, whitish foliage, 6 feet, 10
Borboniensis, gigantic leaves; 10 feet, 10
Sanguineus, blood red stalk; very fine; 5 feet, 10
Gibsoni, rich bronze-purple leaves, 15
 New species from the Philippines, very large leaves; 6 to 10 feet, 15
nanus microcarpus, very dwarf; 2 to 3 feet, 10

HELICHRYSUM.

ORNAMENTAL GOURDS.

CASSIA CHAMÆCRISTA.

Salpiglossis, an exceedingly fine hardy annual, with richly colored and beautifully penciled velvety flowers. Transplant or thin plants to 8 inches apart; mixed colors, 10

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.

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

coccinea splendens, scarlet, large and showy, 5
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 four 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,

Stock, New Largest-flowering Dwarf, plant of dwarf, compact habit, with very large double flowers; 15 colors mixed, 15

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

New Hybrid, splendid large flowers; mixed colors, 20

Dwarf German, very fine bloomer; mixed colors, 20

Large-flowering Celestial Blue, 30

Wall-flower-leaved, dwarf; set 5 inches apart, 20

Tagetes, (Marigold), an old and well-known flower; finest double African and French varieties, mixed, 5

signata pamila, 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

Træopltum 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; all varieties, mixed, 5

Verbena: One of the best and most popular 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 Verbena, 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.

Verbena hybrida, choicest seed, saved from over 100 varieties of every shade of color, 10

Scarlet, from the brightest scarlet and bright red varieties, coming true to color, 15

Striped, broad stripes, but sports, 15

White, comes true to color, 25

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, 10

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

Vinca rosea, rose color; 2 feet, 10

rosea alba, white, red eye, 10

Whitavia 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.

TEN WEEKS STOCK.

MAURANDYA.

DOUBLE ZINNIA.

- Cardiospermum Halicacabum*, (Balloon Vine), a half-hardy climber, with curious inflated seed-pods; 8 feet, 10
- Cobaea scandens*, a beautiful, half-hardy plant, growing twenty or thirty 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
- Echinocistis lobata*, a very strong, rapid growing climber with Ivy-like leaves and large clusters of whitish flowers in profusion all summer; 20 feet, 5
- 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, 5
- Ipomæa*: Beautiful, tender annuals, with richly colored flowers, resembling the Morning Glory, but much larger.
- Ipomæa limbata elegantissima*, large flowers, rich mazarine blue, bordered with white; 15 feet, 10
- grandiflora superba*, sky blue, broadly margined with white; 15 feet, 10
- grandiflora alba*, white; 15 feet, 10
- Quamoclit*, (Cypress Vine), elegant foliage and small, richly colored flowers; 10 feet; mixed colors, 5
- Maurandya Barclayana*, a beautiful climber, with bell-shaped flowers and neat, abundant foliage; 6 feet; mixed colors, 10
- Passiflora cærulea*, the most hardy of the Passion Flowers; greenhouse climber, 15
- Peas*, *Sweet*, a well-known and very fragrant hardy annual. Plant two inches deep, as early as possible in the spring. Eight colors mixed, per lb. \$1.00; oz. 10 cents, 5
- Smilax*, *Myrsiphyllum asparagoides*, a fine greenhouse climber, with glossy-green leaves, 15
- Thunbergia*, a very ornamental, free flowering, tender annual; exceedingly fine for baskets and does well in the garden; 4 feet; mixed colors, 10
- Tropæolum majus*, a very fine half-hardy annual; flowers of various shades of yellow, scarlet, striped and spotted; 10 feet, mixed colors, 5
- peregrinum*, (Canary Flower), profusion of bright yellow flowers; 15 feet, 15
- Lobianum*, very fine for house culture; 8 feet; mixed varieties, 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, wreathes, baskets, etc., and make beautiful ornaments for the parlor. Plants of all the varieties may be set about 10 inches apart.

- Acroclitium 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. Do not pick until the flowers are fully grown. Mixed colors, 5
- Helichrysium mostrosum*, 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 Sandfordi*, a very choice variety each plant bearing a good many large clusters of small, rich golden yellow flowers; 1 foot, . . . 10
corymbiflorum, white, . . . 10
Rodanthe Mangesii, 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, . . . 10

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
Briza maxima, (Shaking Grass), one of the best; 1 foot, . . . 5
minor, dwarf; 5 inches, . . . 5
Brizopyrum sicutum, shining green, . . . 5
Erianthus Racemosa, 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 oratus, (Hare's Tail grass); 1 foot, . . . 5
Stipa pennata, (Feather Grass), a very graceful variety; blooms second season, . . . 10
Tricholena rosea, elegant; tinted rose, . . 10

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.
Aquilegia, common, finest mixed, . . . 5
carulea, 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, . . . 10
leptoceras chrysantha, like the above except in color, which is a beautiful Canary yellow; remains in bloom a long time, . . . 10
Campanula: These are among the best of the perennials, with large bell-shaped flowers, white, rose, blue, &c.
Campanula Medium, (Canterbury Bell), single varieties mixed, . . . 5
Double varieties, mixed, . . . 5
calycanthema; a new and beautiful variety with the calyx the same color as the corolla, 15
grandiflora, very large open flowers of a beautiful light blue, remaining in bloom half the summer; 2 feet, . . . 10
Delphinium, (Perennial Larkspur): For a mass of blue there is nothing that will equal in richness and brilliancy the Perennial Larkspurs; finest mixed, . . . 5
Dianthus caryophyllus, (Carnation): Magnificent double flowers; German seed, from named flowers, . . . 25
Remontant, or Tree Carnation, choicest Italian seed, . . . 50
Picotee, German seed, from named flowers, 25
hortensis, (Pink), best double, mixed colors, 25

- glumarius*, the old-fashioned fragrant Clove Pink, . . . 5
Digitalis, (Fox Glove), a very fine perennial, with very long racemes of drooping, bell-shaped flowers; 3 feet; mixed colors, . . . 5
Hollyhock, Double, a splendid hardy perennial, with very large double flowers of a variety of colors; 4 feet; choicest double, mixed colors, . . . 10
Pyrethrum Parthenium flore pleno, (Double Feverfew), . . . 5
parthenifolium aureum, (Golden Feather), yellow foliage, . . . 10
Peas, Perennial, . . . 10
Pentstemon, one of the best of the perennials, the flowers in long spikes and of very bright scarlet, rose, yellow, etc.; mixed colors, . . . 10
Sweet Rocket produces large clusters of flowers in early spring; white and purple mixed, . . . 5
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.
Sweet William Perfection, produces immense heads of flowers, many of which have a large white eye encircled with rich crimson, purple and violet; mixed colors, . . . 5
Dunnetti, deep blood red; very rich, . . . 5
Double, finest mixed colors, . . . 10
nana compacta, very dwarf, the plants only six inches tall; fine colors, double and single, mixed, . . . 5
Above varieties mixed, . . . 5

DATURA.

VERBENA HYBRIDA.

OXALIS DEPPH.

Bulbs and Plants.

Orders for these will be put on file and filled as soon as safe from freezing.—usually about the first of 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 two 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 Boquet 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 April 1), each, 25

I will send five of the most distinct and best sorts of Dahlias, with names, for \$1.00.

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 three to five inches deep, according to size. The following are the best and most distinct of 75 varieties. (Ready April 1.)

Addison, dark amaranth with white stripes, 50

Arsinoe, satin rose, flamed with carmine, 20

Breschleyensis, vermilion scarlet, 15

Bernard de Jussieu, violet, shaded cherry and purple with purple blotch, 15

Cleopatra, large flower, soft lilac tinged with violet, purple feathered blotch, 20

Compt de Morny, dark cherry red, blotched with white, 25

Eugene Scribe, large flower, rose blazed with carmine, 25

Isaac Buchanan, new; the best yellow, 50

La Poussin, light red, white ground, 20

John Bull, sulphur white, spotted violet, 15

Lord Byron, bright scarlet, white throat, 15

Louis Van Houtte, velvety carmine, 15

Shakespeare, white, stained with carmine rose, 1.00

Zenobia, rose, tinted violet, blazed with dark carmine, and blotched with white, 15

Gladiolus, — *Mixed Varieties*, including many fine seedlings. These are fine bulbs and always give the best of satisfaction, making a splendid display for a little money.

Fine mixed varieties, of various shades of red, per doz., 50 cents; half dozen, 30

Fine mixed varieties, of light colors and white, per doz., 60 cents; half dozen, 35

Fine mixed varieties, of various colors, per doz., 50 cents; half doz., 30 cents; per hundred, \$3.00; per thousand, \$25.00

Madeira Fine, a beautiful climber, growing 10 or 15 feet, with thick, light green leaves. Plant in the spring and preserve the tubers through the winter in a cellar. Per doz., \$1.00; each, 10

Oxalis: The Summer Oxalis is one of the prettiest of plants for borders to beds and edging to walks, forming a rounded border about eight inches in height and as much in breadth. The bulbs are small and may be planted an inch deep and two inches apart.

Oxalis lasiandra, rose color; leaves in nine divisions; per doz., 10 cents; per hundred, 50

Deppeii, rose color; leaves in four divisions

GLADIOLUS.

CHINESE YAM,
OR CINNAMON VINE.

- with a distinct brown zone; per doz., 10 cts.;
per hundred, 50
- White**, blooms profusely early in the summer;
per doz., 10 cents; per hundred, 50
- Tigridia**, (Tiger Flower): Bulbs producing
very curious and beautiful shell-like flowers
four inches across.
- Tigridia conchiflora**, rich orange and yellow
spotted black; per doz., \$1.00; each, 10
- pavonia**, rich scarlet spotted and tinged with
yellow; per doz., \$1.00; each, 10
- 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., \$1.25; each, 12

Hardy Bulbs and Plants.

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

- Aquilegia carulca** and **chrysantha**, two
new varieties and the finest of the Aquilegias;
each variety, per plant, 25
- Anemone Japonica alba**, large white flowers
in autumn, 25
- Chinese Yam or Cinnamon Vine** (*Dioscorea
batatas*), a beautiful herbaceous, ornamental
vine of very rapid growth, climbing from fif-
teen to thirty 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 pecu-
liar cinnamon-like odor so strongly as to fill
the air around in the evening. The roots are
edible and taste very much like the common
potato 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 life-time. The roots go so
deep that drouth does not injure it. It is des-
tined to become very popular as an ornamental
vine when its merits for this purpose become
better known.

- Chinese Yam**, (ready April 1), first size year
old roots, \$2.00 per doz.; \$1.00 per half doz.;
20 cents each; second size year old roots, 50
cents per doz.; 30 cents per half doz.; three
for 20 cents; each, 10
- Day Lily**, (*Funkia*): A fine autumn plant
bearing clusters of trumpet-shaped flowers.
- Day Lily**, white, each, 50
- Blue**, 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 five or six
inches deep. It is well to protect a little during
winter with leaves or straw, in the North.
- Lilium Auratum**, very large, fragrant flowers,
pure white spotted with purple, 50
- candidum**, common white; orders can be
filled early in the spring or in August, the
best season for planting this sort, 25

<i>Japonicum longiflorum</i> , white, trumpet-shaped flowers, five inches long,	25
<i>lanceifolium rubrum</i> , white and rosy red, spotted with crimson; one of the best,	20
<i>lanceifolium album</i> , white,	50
<i>tigrinum</i> , (Tiger Lily), red spotted black,	15
<i>tigrinum flore pleno</i> , (Double Tiger Lily),	35
<i>superbum</i> , (Superb Lily), orange red, spotted black,	25
<i>Thunbergianum grandiflorum</i> , dark red,	20
<i>Lily of the Valley</i> , (<i>Convallaria majallis</i>), bears racemes of delicate white flowers; per doz., 75 cents; half doz., 40 cents; each,	10
<i>Lobelia cardinalis</i> , (Cardinal Flower), spikes of brilliant, dark scarlet flowers,	25
<i>Paeony, Double Pink</i> , each,	25
<i>Double White</i> ,	25
Pansies : I can furnish nice flowering plants in May, grown from choicest seed, 12 fine varieties of my selection for 75 cents, 6 varieties for 40 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 cannot be told apart; finest mixed, per doz., \$1; half doz., 50 cents; each,	15

<i>Phlox subulata</i> , (Moss Pink), a low, moss-like plant, covered in early spring with a mass of rose-colored flowers,	20
<i>subulata alba</i> , a white variety of the above,	30
<i>Tritoma uvaria</i> , (Flame Flower), very showy plant, bearing long spikes of curious orange and red flowers on stems four or five feet tall. It is hardy here if protected with leaves, but the best way is to lift the plants late in the autumn and put them in a cellar, where they will keep safely till spring,	25
Water Lily , (<i>Nymphaea odorata</i>): 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 six inches of pond mud or good loam; cover the roots two 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 April 15), \$2.50 per dozen; each,	25

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.

<i>Hyacinths</i> , fine mixed varieties; per doz., \$2; each,	20
<i>Tulips, mixed Single Early</i> , per hundred, \$3.50; per doz., 60 cents; each,	8
<i>Mixed Double</i> , per hundred, \$3.50; per doz., 60 cents; each,	8
<i>Crocuses, mixed</i> , per hundred, \$1.25; per doz.,	20

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 to be better than the older sorts.

	Per Pkt.		Per Pkt.
<i>Asparagus, Conover's Colossal</i> , soak the seed in warm water for a week before sowing, per oz., 10 cents,	5	<i>Early Bassano</i> , early and good, per oz. 10 c.,	5
<i>Asparagus</i> , one year old roots, \$1.00 per 100, 30 cents per doz., by mail, postpaid.		<i>Early Blood Turnip</i> , per ounce, 10 cents,	5
<i>Beans, Bush, Early Rachel</i> , earliest and best; per pint 25 cents,	10	<i>Long Blood Red</i> , per ounce, 10 cents,	5
<i>Wax or Butter</i> , used for snap beans; per pint 35 cents,	10	<i>Imperial Sugar</i> , very sweet and a fine table sort for winter use if sown late; per oz. 10 c.,	5
<i>Beans, Pole, Speckled Cranberry</i> , per pint 35 cents,	10	<i>Brocoli</i> , resembles the Cauliflower, hardier and more sure to head; per ounce, 50 cents,	10
<i>White Cranberry</i> , like the above, except in color; preferred where known; per pint, 30c,	10	<i>Cabbage, Early York</i> , per ounce, 15 cents,	5
<i>Giant Wax</i> , used for snap beans; very tender, thick, creamy yellow pods; per pint 50c,	10	<i>Little Pixie</i> , very early and tender; per ounce, 20 cents,	5
<i>Large Lima</i> , very buttery and rich; per pint 45 cents,	10	<i>Early Winningstadt</i> , pointed heads; fine sort; per ounce, 30 cents,	5
<i>Dreer's Improved Lima</i> , earlier and more productive than the old Lima, the beans growing closely together in the pods. The best bean grown; per pint 45 cents,	15	<i>Early Wakefield</i> , (American), very popular market variety; per oz. 40 cents,	10
<i>Yard Long</i> , grown as a curiosity on account of its pods, which grow two or more feet long,	10	<i>Newark Early Flat Dutch</i> , a first rate second early sort; per oz. 40 cents,	10
<i>Beet, Egyptian Blood Turnip</i> , the earliest variety grown; per oz., 10 cents,	5	<i>Stone Mason Marblehead</i> , a very solid and first rate winter variety; per oz. 30 cents,	10
		<i>Marblehead Mammoth</i> , the largest variety grown; per oz. 30 cents,	10
		<i>Premium Flat Dutch</i> , per oz. 20 cents,	5
		<i>Fottler's Improved Brunswick</i> , per oz. 4c,	10
		<i>Drumhead Savoy</i> , per oz. 15 cents,	5
		<i>Large Late Blood Red</i> , for pickling; per oz. 25 cents,	5

	Per Pkt		Per Pkt.
<i>Cauliflower, Erfurt Earliest Dwarf</i> , per oz. \$1.50,	15	<i>Citron, New Californian</i> , for preserves; per oz. 10 cents,	5
<i>Lenormon's Short Stemmed</i> , per oz. \$1.50,	15	<i>Onion, Wethersfield Red</i> , per oz. 40 cents,	10
<i>Carrot, Early French Short Horn</i> , per oz. 15 cents,	5	<i>Danvers Yellow</i> , per oz. 40 cents,	10
<i>Half Long Scarlet Stump Rooted</i> , per oz. 15 cents,	5	<i>White Portugal, or Silver Skinned</i> , oz. 40 cents,	10
<i>Long Orange</i> , per oz. 15 cents,	5	<i>Early Red</i> , very early; per oz. 50 cents,	10
<i>Celery, Boston Market</i> , very popular market sort; per oz. 35 cents,	5	<i>Top, or Button Onions</i> , per quart,	50
<i>Turner's Dwarf White</i> , one of the best; per oz. 20 cents,	5	<i>Potato Onions</i> , per quart,	50
<i>Turner's Dwarf Crimson</i> , per oz. 20 cents,	5	<i>Parsley, Corant Garden</i> , the most elegant curled sort,	5
<i>Chufa</i> , a grass-like plant producing small tubers which resemble in taste a chestnut or cocoa nut. Very prolific, a single one producing from 200 to 400. Plant a foot apart, and dry thoroughly before eating,	5	<i>Peas, Carter's First Crop</i> , very early, per pint 30 cents,	10
<i>Chicory</i> , cultivated for the roots which are roasted and used as a substitute for coffee. Culture like carrots; per oz. 10 cents,	5	<i>McLean's Little Gem</i> , a very early, fine flavored wrinkled pea, per pint 35 cents,	10
<i>Corn, Sweet, Early Tom, thumb</i> , the earliest variety grown, at least a week earlier than Early Minnesota; ears about 5 inches long, very productive and sweet; per pint 25 cents,	10	<i>Champion of England</i> , per pint 30 cents,	10
<i>Crosby's Early</i> , per pint 25 cents,	10	<i>Parsnip, Sutton's Student</i> , very sweet, per oz. 10 cents,	5
<i>Moore's Early Concord</i> , per pint 25 cents,	10	<i>Pepper, Squash or Tomato-formed</i> , per oz. 35 cents,	5
<i>Black Mexican</i> , very tender and sweet; per pint 35 cents,	10	<i>Sweet Mountain or Mammoth</i> , oz. 30 cents,	5
<i>Stowell's Evergreen</i> , late; per pint 25c,	10	<i>Cherry-formed</i> , small and very hot; oz. 30c.,	5
<i>Egyptian</i> , new, very tender and the sweetest of all varieties; very large and prolific and a week or twolater than the Evergreen; per pint 30 cents,	10	<i>Pumpkin, Large Cheese</i> , per oz. 10 cents,	5
<i>New Joint Pop Corn</i> , very productive, bearing four or five ears to each stalk; per pint, 30 cents,	10	<i>Nigger</i> , the old-fashioned, hard-shelled black variety,	5
<i>Cucumber, Early Netted Russian</i> , new and the earliest; per oz. 15 cents,	5	<i>Radish, Long Scarlet</i> , oz. 10 cents,	5
<i>Early Russian</i> , per oz. 10 cents,	5	<i>Red Turnip</i> , oz. 10 cents,	5
<i>Early Cluster</i> , per oz. 10 cents,	5	<i>French Breakfast</i> , olive-shaped, red, per oz. 10 cents,	5
<i>White Spine</i> , per oz. 10 cents,	5	<i>Chinese Rose Winter</i> , oz. 15 cents,	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. 25 cents,	10	<i>California Mammoth White Winter</i> ,	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 cents,	5	<i>Spinach, Prickly or Fall</i> , oz. 10 cents,	5
<i>Cress, or Pepper Grass</i> , used as a salad, mixed with Lettuce,	5	<i>Round or Summer</i> , oz. 10 cents,	5
<i>Egg Plant, Improved New York Purple</i> ,	5	<i>Squash, Summer, Early Bush Scallop</i> , oz. 10 cents,	5
<i>Kohl Rabi, Large Early Purple</i> , oz. 35c.,	5	<i>Early Bush Crook-Necked</i> , oz. 10 cents,	5
<i>Lettuce, Malta Drumhead or Ice Cabbage</i> , per oz. 20 cents,	5	<i>Squash, Winter, Hubbard</i> , oz. 15 cents,	5
<i>New Premium Cabbage</i> , one of the best; per oz. 30 cents,	5	<i>Marblehead</i> , very fine grained dry and sweet; keeps better than Hubbard; per oz. 15 cents,	5
<i>All the Year Round</i> , new and fine; oz. 25c.,	5	<i>Turban, or Turks Cap</i> , a very fine fall sort; per oz. 15 cents,	5
<i>Early Tennis Ball</i> , early and good; oz. 25c.,	5	<i>Boston Marrow</i> , per oz. 15 cents,	5
<i>Boston Curled</i> , per oz. 25 cents,	5	<i>Salsify, or Vegetable Oyster</i> , oz. 25 cents,	5
<i>Melon, Musk, Prolific Nutmeg</i> , oz. 15 cents,	5	<i>Tomato, General Grant</i> , oz. 20 cents,	5
<i>Cosado</i> , a new, very large, oblong, sweet, and delicious, green fleshed sort, growing to a weight of 10 to 15 lbs. each; oz. 15 cents,	5	<i>Hathaway's Excelsior</i> , very early, solid, round and smooth as an apple; oz. 40 cents,	5
<i>White Japon</i> , one of the best and most sugary varieties; per oz. 15 cents,	5	<i>Trophy</i> , very large and solid; oz. 50 cents,	5
<i>Melon, Water, Mountain Sweet</i> , per oz. 10c.,	5	<i>Acme</i> , a new, very early, smooth and solid sort, with no hard core. The finest flavored and best Tomato for family use yet introduced; per oz. 40 cents,	5
<i>Phimney's Early</i> , the best variety grown for the North; very early, productive and sweet; per oz. 10 cents,	5	<i>Alpha</i> , a new variety, which seems to be the earliest of all, judging from one season's trial,	5
<i>Orange</i> , the flesh separates from the rind like the rind of an orange; per oz. 15 cents,	5	<i>Alpha</i> , from earliest, selected fruit,	10
		<i>Strawberry, or Winter Cherry</i> , a distinct species, the fruit growing in a husk, nice for canning; oz. 50 cents,	5
		<i>Turnip, English, Early White Flat Dutch</i> , per oz. 10 cents,	5
		<i>Strap-Leaved Red Top</i> , oz. 10 cents,	5
		<i>Yellow Globe</i> , oz. 10 cents,	5
		<i>Orange Jelly</i> , oz. 10 cents,	5
		<i>Jersey Naret</i> , new like the Parsnip in form, and the sweetest and best of all for table use; oz. 10 cents,	5
		<i>Turnip, Swede or Russian, White Sweet</i> , oz. 10 cents,	5
		<i>Lain's Purple Top</i> , yellow, oz. 10 cents,	5
		SWEET OR POT HERBS. Each of the following are 5 cents per packet:—	
		<i>Basil, Sweet</i> ,	
		<i>Sage</i> ,	
		<i>Marjoram, Sweet</i> ,	
		<i>Harboud</i> ,	
		<i>Thyme</i> ,	
		<i>Summer Savory</i> ,	
		<i>Pennyroyal</i> ,	
		<i>Thyme</i> ,	
		<i>Lavender</i> ,	
		<i>Caraway</i> ,	
		<i>Saffron</i> ,	
		<i>Catmint</i> ,	
		<i>Coriander</i> ,	
		<i>Dandelion</i> ,	

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

REPORTS FROM CUSTOMERS.

The gardens of my customers are my best advertisements, and it is very gratifying to know that they have almost unexceptionable success with the seeds I furnish and are satisfied,—often more than satisfied,—with the efforts I make to please them. 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 of these, to show those who have never dealt with me that my seeds are just as represented. Occasionally a partial failure is reported, and sometimes 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 of 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 which is all put up from the same lot, the fault cannot, certainly, be with the seed. All experienced gardeners well know that failure will sometimes occur, even when everything is apparently done just right, from unfavorable weather and other causes beyond control.

I return my sincere thanks for the many kind expressions of customers and the efforts they have made to extend my trade; and I shall try by furnishing the best of seeds and fair and liberal dealing to merit a continuance of the same.

From *Mrs. H. J. Flint, Sawquoit, N. Y., March 15, 1880.*—I had splendid luck with the trial package of seeds last year. I think every seed of every kind came up and lived, although it was my first attempt with flower seeds. The Asters and Petunias were beautiful.

From *Mrs. S. Jane Grier, Bel Air, Md., March 1, 1880.*—The seeds, both vegetable and flower, obtained last year were excellent,—all that was claimed for them,—and I enclose a money order for more.

From *Mrs. Frank Dane, Jacksonville, Chickasaw Co., Iowa, Nov. 6, 1880.*—The seeds received from you last spring proved most satisfactory. The flowers were of universal admiration, especially the Asters, Pansies, and Phlox Drummondii. I was awarded five premiums at our county fair this fall, on flowers raised from seeds ordered from you. I have recommended your seeds to several.

From *Mrs. A. M. McRae, Pownal, Prince Edwards Island, Canada, March 1880.*—I noticed your very liberal offer to clubs, and knowing your seeds are good from those I had last year, I send you a club for the 25-cent and dollar collection.

From *Mrs. Annie E. Andrews, West Sharon, Me., April 4, 1880.*—The seeds you sent me last spring were splendid. I was very much pleased with them, and so were my neighbors. I have invited some of my friends to send with me this time.

From *Mrs. M. M. Cooke, Prattville, Antange Co., Ala.*—I received the seed you sent, and I must say that there was as many in one paper as I received in five from—. They are up and it seems as if every seed germinated, and I shall take pleasure in recommending them to every one.

From *Mrs. Alpheus L. Webber, Dexter, Me., Dec. 24, 1879.*—The seeds you sent me all came up, and some twice I guess. Such Asters I never saw; not one single one among them; they are beauties. My Verbenas, Pansies, Pinks, and Daturas were all wonders of beauty and attracted much attention. The Ricinus was a wonder; it grew until late and was over eight feet high, and the leaves were thirty-eight inches in diameter each way, by actual measurement. I thank you many times for your Catalogue. I have learned much from it. The directions are so plain a child could understand them.

From *Mrs. A. K. Starbird, Lake Como, Wayne Co., Pa., March 30, 1880.*—The Portulaca seed I got from you last year produced the most double flowers of any I ever had. I have had Portulaca seed of —, —, and —, but always had more single than double flowers until I tried yours. Your seeds are as much better as they are cheaper than others.

From *Mary H. Coffin, Walla Walla, Wash. Territory, Feb. 16, 1880.*—The package of flower seed which I ordered last spring came safely, and were of such good quality that I would now like to have the following other seeds and bulbs. * * * April 26, 1880.—The bulbs and seed came in due time. The Aquilegia plant was put up so well that it did not seem to realize its long journey.

From *Mrs. George Studley, Westvale, Mass., March 1, 1880.*—I send you thirteen names for your 25-cent collection. I had one last year and my flowers were very handsome and admired by all who saw them, as you may know by my neighbors sending with me for them this year. I raised fifty plants from the Aster seeds, and there were nineteen different kinds. They were the finest I ever saw.

From *Mrs. H. J. Fleury, Isle La Motte, Grand Isle Co., Vt., March 18, 1880.*—I have had seeds from you for the past two years, and I must say that they are the best I can get anywhere, always true and good.

From *Mrs. S. A. Hollowell, Lawranceburgh, Cloud Co., Kansas, Feb. 12, 1880.*—I had a collection of your seeds last year, and they all came up and were beautiful. I never had such nice flowers, or any so much admired.

From *E. Tripp, Quaker Street Schen. Co., N. Y., Feb. 1, 1880.*—The seeds you sent me last spring suited me the best of any I ever bought.

From *Mrs. M. L. Luick, Otisco, Iowa Co., Mich., March 8, 1880.*—I sent for your 25-cent package last spring and had very good luck with them. I received first premiums on a collection of Pinks, from the seeds you sent me, at two different fairs last fall.

From *Nannie Sutter, Pass Christian, Harrison Co., Miss., Jan. 27, 1880.*—I was very much pleased with the seed I got from you last year. The Dianthus were the prettiest on the Pass and are blooming still. The Petunias and Phlox were very large and of beautiful colors.

From *Mrs. H. O. Thayer, Woolwich, Me., March, 13, 1880.*—I have learned to rely on the merits of your seeds. My Pinks, Asters and Drummond Phlox were very fine; also the Sweet Peas, which were pronounced by many the finest they had ever seen. Thanks for so many seeds which I did not order.

From *Mrs. L. O. Graves*, Sycamore, DeKalb Co., Ill., Feb. 19, 1880.—Your seeds if properly planted and cared for will praise themselves. I never saw so nice or so perfect a collection of mixed Verbenas as mine were last summer and every plant was perfectly healthy. Every Aster seed in the packet sprouted and grew up to give its fair share of beauty. I have long since found it wiser to buy Aster, Verbena, and Zinnia seeds than to save them,—I do not understand the business and never have the second year flowers equal to the first.

From *Mrs. E. D. Metzgar*, Dickson, Perry Co., O.—The Portulaca bed was a beauty and the flowers were the most double of any I have ever been able to purchase. The Pinks and Phlox were also beautiful.

From *Mrs. J. R. Williams*, Fisherville, N. H., March 17, 1880.—Your seeds have given great satisfaction the past two seasons and I had no difficulty in getting up a club.

From *E. Maintot*, Portland, Me., March 6, 1880.—Last spring I thought I would try raising Verbenas from seed and sent to you for one package each of mixed and scarlet. They began to blossom about the middle of July. The plants were very strong and vigorous and the flowers large, brilliant and in good variety. I was more than satisfied with them. Two of my friends, who have hitherto bought plants every spring, were so much pleased with my success that they wish me to order seeds for them this year.

From *G. H. Jost*, Halifax Nova Scotia, Feb. 21, 1880.—The seeds I got from you last season could not have been better. I raised about five dozen Verbenas from the packet and they were fine. The collection of Pansies were, I think, perfect; with the exception of pure white I had every color mentioned in the catalogue.

From *Mrs. S. J. Nims*, Garden City, Minn., March 5, 1880.—The seeds I received from you last season gave good satisfaction. I took the first premium at our County Fair on Asters grown from your seed, and also on cut flowers.

From *Mrs. J. C. Vincent*, Flint, Mich., Nov. 15, 1880.—The seeds we received from you last spring were more than we expected. The flowers excelled everything in this section of the country and were visited and admired by people that seldom notice flowers. They say they will try them next season. We told them where to get them, &c.

From *Chas. B. Colley* Woodford's Corner, Camb. Co., Me., Feb. 2, 1880.—The seeds I received from you last year came up very nicely, I think the best of any I ever received from any seedsman, and I shall always buy of you as long as they continue as good.

From *Mrs. A. B. Curtis*, Worthington, Mass., March 1, 1880.—We had good success with the seeds received from you. From one-fourth of a packet of Verbena seeds I had thirty plants, which made a beautiful bed. The Portulacas were very fine.

From *Mrs. E. N. Hunt*, New Rochelle, N. Y., Feb. 17, 1880.—The collection I received from you last year did splendidly, and I was much pleased with them. The Asters, especially, were much admired by passers-by.

From *Miss Emma A. Powers*, Wilton, Me., Feb. 29, 1880.—The seeds you sent me were the best that I ever bought. Nearly every one came up. The Asters, Petunias and Portulacas were splendid.

From *Mrs. W. M. Severance*, Calhoun, Richland Co., Ill., Feb. 11, 1880.—Your seeds last year were a success. One of my neighbor's China and Japan Pinks were very beautiful; she had fifteen different kinds of Pinks in blossom at once.

From *Mrs. E. C. Lancaster*, Bowdoin Centre, Me., March 10, 1880.—I had some of your flower seeds last year and the Rose Asters, and China and Japan Pinks were the delight of my eyes and the admiration of my neighbors. They were splendid.

From *Mrs. H. N. Ezeski*, Willkamsport, Pa., March 3, 1880.—The seeds I got from you last year gave such satisfaction to me and were so much admired by my neighbors that I send for more. They all came up good and were very beautiful, particularly the Dwarf Bouquet Asters; I admired them exceedingly.

From *Mrs. C. W. Hyde*, Keene, N. H., Feb. 28, 1880.—I liked the seeds you sent last year very much. The Asters and Cockscomb were the finest I ever saw.

From *Mrs. C. H. R. Merrick*, Merrickton, Md., Feb. 10, 1880.—We have tried your seeds for two years and like them better than any we ever had before.

From *CARRIE H. COX*, Gardiner, Me., Feb. 9, 1880.—Your seeds give the best of satisfaction. I pick a half bushel of flowers a week all through the season and never miss them from the plants. I think our Balsams would measure three feet in height.

From *LUCKIE F. HUTCHINSON*, Locustmount, Accomach Co., Va., Feb. 27, 1880.—I had seed from you last year and they proved to be all that you claimed for them. My Asters were the prettiest I ever saw. I have tried planting Verbena seed, but never could get them to come up until I tried yours.

From *Mrs. D. C. AYERS*, Green Bay, Wis., March 2, 1880.—I had a package of seeds from you last year. They gave me great satisfaction, although it was a very unfavorable year for flowers in this part of the country. I send to you for all my seeds this year and also for a small club.

From *Mrs. ELIZA A. BISBEE*, Chesterfield, Mass., Feb. 19, 1880.—I had my seeds from you last year and had the best flower garden I ever had. My Rose Asters and Japan Pinks were splendid.

From *MAY S. BAILEY*, Hillsboro' Bridge, N. H., March 6, 1880.—I have succeeded in getting up a club of seven for your 25-cent collection. I feel safe in recommending your seeds, as every one I had last year proved true. My Double Portulacas were beautiful. People said they were the first double ones they ever saw; others had proved single.

From *Mrs. T. S. WHITMAN*, Turner, Me., March 15, 1880.—The seeds I had from you last year were good. They came up and were true to name and color. The Phlox Drummondii and Rose Asters were called very handsome by all who saw them. I have had seed of—, and of—, but yours I like best.

From *S. D. GODDARD*, Hubbardston, Mass., April 6, 1880.—I was astonished on opening the package of seed. Please accept my thanks for your more than generosity. Your good seeds are in themselves ample reward for all my efforts to aid you.

From *Mrs. E. C. GREEN*, Geneva, Mich., April 5, 1880.—I write to thank you for the extra seeds you sent and to tell you that the 25-cent collection I got last year exceeded all my expectations. The Asters and Portulaca were worth the price of all to me and were the admiration of all who saw them.

From *Miss H. G. ELLSWORTH*, Green Bay, Wis., Feb. 7, 1880.—As your seeds on past occasions have been most satisfactory and exactly what you represented them to be, I take great pleasure in sending you our order this year.