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1884

GOODELL'S

SEED

CATALOGUE.



Illustrated.

L. W. GOODELL,
DRAWER K,
AMHERST,
MASS.



J. E. Williams, Printer, Amherst, Mass.

To Friends and Customers.

In no other country in the world is there such a variety of climate as in ours. While we in the North are in the midst of a long, cold winter, many of my customers in the Southern states are asking for a new seed catalogue, and write of spring,—of seed-sowing and of the opening buds and blossoms of the early flowers.

I present each one of my customers of last year with a copy of my new catalogue, wishing all a truly "Happy New Year," and hoping that all will find something in its pages of interest. If you find but one packet of seeds that you want, please do not hesitate to order it, for I fill small orders just as promptly and carefully as I do large ones. But should you not want any seeds yourself this season, kindly do me the favor to hand the catalogue to some friend who is interested in choice flowers, and if you can at the same time say a good word for my seeds, I shall be doubly obliged.

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, Peunias, 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 prices 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 cents. Sums less than one dollar may be enclosed in a letter and sent at my risk without registering. Remit sums of less than a dollar by the new Postal Notes if possible, but if these cannot be obtained, then use good, new 1-cent and 2-cent U. S. postage stamps for change, but if stamps are used do not detach or stick them to the letter. No 3-cent or higher denomination of stamps will be accepted. *Canada postage stamps* are of no use to me and will not be accepted, but Canada bills or fractional currency are always acceptable. Twenty-five cents or less in silver can be sent safely in a letter if pasted securely between two sheets of paper to prevent it from cutting through the envelope, but larger sums than this should never be sent in coin. It should be understood that while the new postal notes are very convenient for remitting small sums, the government is not (as many suppose) responsible for them if lost or stolen, and their only real value is for remitting fractional parts of a dollar, as a substitute for the old fractional currency.

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 your 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.

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 the seeds will then always be on hand when wanted for sowing.

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

DOLLAR COLLECTION OF SEEDS.

This collection contains the following thirty popular varieties and will be furnished for one dollar. No change can be made in the varieties.

An irribinum (Snapdragon) mixed colors; Sweet Alyssum; Asperula azurea setosa; Aster, New Rose, mixed color; Calliopsis, mixed colors; Swan River Daisy (rachyome); Candytuft, mixed colors; Convolvulus minor, mixed colors; China and Japan Pinks, all varieties mixed; Clarkia mixed colors; Godetia mixed colors; Galeobolla Meteor; Sweet Jimmy onette; Ice Plant; Pansy mixed varieties; Petunia mixed colors; Phlox Drummondii, all colors mixed; Portulacca, mixed color; Salpiglossis (Velvet Flower), mixed colors; Verbena, choicest mixed; Virginia Stock, mixed colors; Whitlavia, mixed colors; Double Zinnia, choicest mixed; Helichrysum, mixed colors; Mourning Glory, mixed colors; Ornamental Gourds, mixed varieties; Canterbury Bell double and single mixed; Ornamental Grasses, annual varieties mixed; Sweet William, finest mixed; Clove Pink.

30-CENT COLLECTION OF SEEDS.

Every season for several years I have grown some of the best varieties of flower seeds in extra large quantities and offered them in collections. I have filled orders for more than fifty thousand of these collections, and have received several thousand letters containing expressions of the satisfaction they have given to the purchasers, 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 varieties named below in large quantities, especially for this collection. All are of the choicest quality in every respect. Each packet contains from 50 to 500 seeds,—nearly all 100 or more. The collection of thirteen packets will be sent to all who order it for only 30 cents. This is surely the most valuable collection ever offered for so small a sum. The Diamond Pansies alone are well worth the price of the whole. I am sometimes asked to make changes in the varieties, and while I am always willing to accommodate customers in every way possible, yet in this I cannot do so, as I shall have them all put up ready for mailing before the busy season; and 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.

New Diamond Pansy, mixed varieties. This packet contains about 25 seeds of the Diamond, the finest ever offered, and about 25 of my old strain, which has been so highly praised in the past. (See Novelty List and Colored Plate).
Aster, Truffauts Paony-fl. 18 colors mixed
Verbena, choicest mixed, saved from more than 100 varieties of every shade known in the *Verbena*
Salpigloss (Velvet Flower) mixed colors
New Nicotiana affinis. (See Novelty List).
Annual Crysanthemums, mixed varieties.

New Emperor Petunias, mixed varieties, the finest in cultivation. (See Novelty List)
Hibiscus Africanus, cream color with black center
Dwarf White Candytuft, the best white sort.
Cantbury Bell, double and single, 8 colors mixed.
Double Portulaca, choicest, 8 colors mixed
New Virginian Stock, Fairy Queen. See Novelty List).
Clarkia, 10 varieties mixed.

I think I have enough seed of these varieties to fill all orders, 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.

PREMIUMS TO CLUBS.

Many are so highly pleased with my seeds that they commend to others and raise clubs among their neighbors, and I will reward liberally all who thus assist in extending my trade. For a club of four subscribers to the 30-cent collection, remitting \$1.20 at one time, I will send the following *nine new and choice varieties free* to the raiser of the club. (See Novelty List for description of the new varieties).

New Clarkia, Mrs. Langtry.
New Helichrysum, Fireball.
Papaver umbrosum, scarlet with black spots.
New Gaillardia Lorenziana.
New Mignonette, Golden Queen.

Schizanthus, mixed colors; curiously variegated flowers
New Godetia, Princess of Wales.
Virginia Stock, mixed colors.
New Annubium grandiflorum.

If you get one subscriber you may select any one of the above varieties; for two subscribers any two varieties, and for three subscribers any four varieties. For each subscriber over four, seeds in packets to the value of ten cents may be selected from the catalogue.

In addition to these very liberal seed premiums I will give

\$100 IN GOLD,

to the seven persons who send the seven clubs containing the largest number of new subscribers to the 30-cent collection, to be divided as follows:

- FIRST PRIZE**, \$40.00, for the club containing the largest number of new subscribers.
- SECOND PRIZE**, \$25.00, for the club containing the second largest number of new subscribers.
- THIRD PRIZE**, \$15.00, for the club containing the third largest number of new subscribers.
- FOURTH PRIZE**, \$10.00, for the club containing the fourth largest number of new subscribers.
- FIFTH PRIZE**, \$5.00, for the club containing the fifth largest number of new subscribers.
- SIXTH PRIZE**, \$3.00, for the club containing the sixth largest number of new subscribers.
- SEVENTH PRIZE**, \$2.00 for the club containing the seventh largest number of new subscribers.

CONDITIONS, &c.

The above seed and gold premiums are offered *only on these conditions*: The full name (or initials) and P. O. address of each subscriber must be given, and if in a city the street and number should also be given. Such names as "Mrs. Smith," "Mr. Jones," etc., are of no use. Do not mix up the names of old and new customers, but keep them separate. No premiums can be allowed unless the above conditions are complied with. A catalogue and colored plate will be sent for each new customer, if wanted. The seeds will all be sent to the raiser of the club (which is much the best way when convenient to distribute, as they usually are safer when sent to one address) or if not convenient for the raiser of the club to distribute them, to each member separately. The Gold Prizes will be awarded and forwarded to the successful competitors June 1st, and their names and addresses published in my next catalogue. Anyone who will try can easily raise a club of four and with a little work a larger one, and thus have a chance to secure one of the gold prizes, and these prizes are certainly worth some effort to obtain. It should be understood that the seed premiums are allowed on *all* subscribers, whether new or not. If you do not want the premium seeds yourself they can easily be sold and thus you get ten cents in cash for each subscriber obtained. Additions to clubs can be made at any time and proper credit will be given. Any boy or girl can get up a club for seeds. Many of my young friends sent clubs last year.

The Gold Prizes were awarded as follows last year: First prize to MISS A. M. PARKS, Lynn, Mass. Second prize to EVANGELINE L. FAY (only 9 years old), Westboro, Mass. Third prize to MRS. R. T. W. PIERCE, Grand Island, Hall Co., Nebraska.

The above are special premiums offered on the 30-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 offered *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.



1 ZEPHYR.
 2 PSYCHE.
 3 AURORA.

NEW DIAMOND PANSIES.

4 VENUS.
 5 IRIS.
 6 JUNO.

PAINTED FROM NATURE EXPRESSLY FOR
 SCOTT'S SEED CATALOGUE

NEW EMPEROR PETUNIAS.

The flowers of this new and unsurpassed strain exhibit a greater variety of colors and markings than ever before obtained in the Petunia; from the richest purple and crimson to the most delicate rose and white there is every gradation. Some of the varieties have a clearly-defined white throat, the other portion of the corolla being colored; some are evenly or irregularly striped, blotched and barred with purple, crimson, rose and white; others are elegantly veined with crimson, violet and maroon on a light ground, and several are exquisitely fringed and filled, resembling ruffled lace. Many of the varieties are of very large size. While a good proportion of the plants of any of the varieties will produce flowers true to the description, there is always more or less variation from the types, but they will be none the less beautiful on that account.

<i>Queen of Roses</i> , an entirely new color in Petunias, a pretty rose-carmine	25
<i>Foxhunter</i> , deep cardinal red, white throat	25
<i>Purple Prince</i> , rich deep purple	15
<i>Maltese Lace</i> , white, barred and spotted with crimson and lake, beautifully fringed	25
<i>Quadricolor</i> , rose and crimson edged with green and blotched with white	25
<i>Stars and Stripes</i> , crimson and purple striped and barred with white	10
<i>White Pearl</i> , pure snowy white	
<i>Blue Veins</i> , various shades of purple, crimson, rose and lavender delicately pencilled and veined with darker colors	25
<i>King Crimson</i> , rich crimson, white throat	25
<i>The Bride</i> , pure snowy white beautifully laced and fringed	25
<i>The Bridesmaid</i> , rich purple, crimson, and lavender, delicately pencilled and veined and exquisitely fringed	25
<i>Duchess of Connaught</i> , rose, violet and crimson pencilled with lake and margined with green	25
<i>Danish Flag</i> , white ground, crimson purple bars	10
<i>Village Maid</i> , rose, blush and lavender, pencilled crimson lake	25
<i>Inimitable maculata</i> , magnificent large flower, various shades of purple and red, striped, blotched and barred with white	25
<i>Comet</i> , a very dwarf, bushy plant, with small crimson and purple flowers with a star-shaped white blotch in center.	15

<i>Prince of Wales</i> , crimson with white bars	10
<i>Cerise Brilliant</i> , deep rosy crimson.	25
<i>The Cardinal</i> , rich cardinal red, white throat, pencilled purple and finely fringed	25
<i>Viola</i> , very rich violet purple	25
<i>New Emperor Petunias</i> , all the above varieties mixed	15

<i>Petunia, Prince of Wurtemberg</i> , rose and lavender veined and pencilled with crimson lake and maroon, with deep beautifully tigered throat; flowers of extra large size—often 5 inches in diameter. Packet of 50 seeds	30
<i>Princess of Wurtemberg</i> , bright crimson purple with large white throat, veined with maroon; magnificent large flowers. Packet of 50 seeds	30
<i>New Yellow-throated</i> (Benary). This new variety is now for the first time offered. "The large flowers are of faultless form, with a broad and deep yellow throat which is generally pencilled after the manner of the <i>Salpiglossis</i> . The latter coloring heightens the effect of the outer surface of the petals and completes the beauty of the entire flower. Seed is very sparingly produced." Packet of 25 seeds	75
<i>Double</i> , produces from 15 to 25 per cent of large beautiful double flowers of various colors. Packet of 50 seeds	25
<i>Double Fringed</i> , produces from 15 to 25 per cent of large, double and beautifully fringed flowers. Packet of 50 seeds	35
<i>Double Lilliput</i> , (Benary). This new dwarf variety bears "very numerous and exceedingly pretty small double flowers of the most charming shades of color." Packet of 50 seeds	50

<i>Acroclinium roseum fl. pl.</i> A beautiful double form of this popular Everlasting which cannot fail to become a general favorite	20
<i>Ammobium grandiflorum</i> . This is a valuable addition to the Everlasting flowers, being double, pure white and twice the size of the old variety	10
<i>Aster, Dwarf Paony Perfection</i> . A new class of Asters of dwarf habit producing exceedingly double, medium sized flowers; six colors mixed	15
<i>Dwarf Paony Perfection, Pure White</i> . Novelty of this season	25
<i>Chrysanthemum, the Sultan</i> . A new and fine annual variety. The flowers are rich velvety maroon with yellow and brown centers	10
<i>Dahlia, New Single</i> . The new single varieties of the Dahlia have become very popular in Europe, they are of fine dwarf habit, bloom very profusely and are of all the beautiful colors of the double varieties. If seed is sown early they flower the first season. Finest mixed, from the largest and best collection in England	25
<i>Clarkia, "Mrs. Langtry"</i> . The Clarkias are all exceedingly pretty, profuse blooming an-	

nuals, and this new variety is one of the very finest of all. Its flowers are pure white with a brilliant carmine crimson spot at the base of each petal	10
<i>Godetia, "Princess of Wales"</i> . There has been great improvement made in the popular Godetias of late years, this variety being the most brilliantly colored of all,—a vivid ruby crimson. The plants are of dwarf compact habit and are completely covered with flowers	10
<i>"Duchess of Albany"</i> , a novelty of last year. It is a superb variety, producing a profusion of pure white flowers, often four inches across, a plant in full bloom resembling a miniature <i>Azalea</i>	15
<i>Lady Satin Rose</i> , one of the most beautiful varieties, the flowers being of a lovely rose-pink, the surface of the petals shining like satin	1
<i>Gaillardia picta Lorenziana</i> . 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 and being on long stems it is particularly valuable for bouquet work. The colors are sulphur yellow, golden yellow, orange and claret; mixed colors	10

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 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, 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, their 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. *No Canada postage stamps accepted in payment.*

ORDER FILLED.—JAN. FEB. MAR. APR. MAY
DO NOT WRITE IN ABOVE LINE, BUT FILL OUT BLANK BELOW CAREFULLY.

GOODELL'S ORDER SHEET.

Date 1884.
L. W. GOODELL,

Send the following List of Seeds, &c. to

Name,

Post Office,

County,

State,

VERY IMPORTANT to read directions
for sending money, second cover page of
Catalogue.

Enclosed is—

P. O. Order, \$

Postal Note, \$

Cash, - \$

TOTAL, - \$

*Please keep remarks, etc., distinct from the
order. When remarks, etc., are mixed up with
the order it causes much trouble and sometimes
mistakes in filling*

QUANTITY	NAMES OF SEEDS WANTED.	PRICE \$ Cts.
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DO NOT WRITE IN ABOVE LINE, BUT FILL OUT BLANK BELOW

GOODSELL'S ORDER SHEET.

Date

1884

Wm. H. Goodsell

Send the following list of seeds, etc.

Name

Post Office

County

State

THIS ORDER IS NOT VALID UNLESS SIGNED BY THE CUSTOMER

Enclosed is -

\$ 2.00 Order

\$ 1.00 Postage

\$ 1.00 Freight

\$ 1.00 Total

When you receive the list from the
 office, please send it up with
 the amount of money for the seeds and postage
 enclosed in bill.

NAME OF SEEDS WANTED



AGERATUM.



FLOWER OF ROSE ASTER.



WHITLAVIA.



ASPERULA AZUREA
SETOSA.



MOLUCELLA LAEVIS.
(Shell Flower.)

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 that adorn the garden and lawn. The figures on the right of the columns give the price of each variety per paper, in cents.

AGERATUM: Pretty, hardy annual, with abundance of flowers through the season; fine for bouquets. Set plants 6 inches apart. Blue, white and pink mixed 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

AMARANTHUS: Ornamental foliage plants producing a fine effect when grown in beds or masses. The leaves are maroon, red, green and yellow, often curiously variegated. Plants grow about two feet tall. Four varieties mixed . . . 5

caudatus, (Love lies Bleeding), blood-red flowers in long, drooping clusters; very pretty 5

ANTIRRHINUM majus. (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. 10 of the best and brightest varieties mixed 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

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 rich and deep for Asters

Truffaut's Peony-flowered, large flowers, petals slightly reflexed; 2 feet; mixed colors . 10

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; 12 colors mixed 10

Cocardeau, or New Crown, a beautiful variety; flowers large, double, with white quilled centers, surrounded with flat petals of another color; 18 inches; mixed colors 10

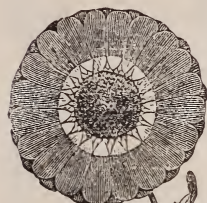
Washington, flowers very double and perfect and of large size, measuring under good culture, 4 or 5 inches in diameter; 2 feet; mixed colors 10

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 1

Newest Dwarf Bouquet, a fine variety for



CONVOLVULUS MINOR.

ANNUAL
CHRYSANTHEMUM.

CAMELLIA—FL. PERFECTION BALSAM.

NEWEST DWARF BOUQUET
ASTER.

NEW SINGLE DAHLIAS.

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

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. It is best to start the seed early in boxes or a frame. Set the plants 18 inches apart in good rich soil. The Balsam should be well pruned or the flowers are too much hidden by the foliage; a good way is to pinch off all the side branches as fast as they start, leaving only the central shoot which will grow very tall and be completely covered with flowers.

Camellia-flowered Perfection, a new and greatly improved strain and the most double and finest in cultivation. Pure white, pink, crimson, rose, mauve, scarlet, white striped and spotted with crimson, white striped and spotted lilac and purple, crimson mottled white, pink mottled white, scarlet mottled white, all colors mixed 10

BRACHYCOMME 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

Rozeti, 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

CANNA, beautiful foliage plants, with large, broad leaves and scarlet or yellow flowers. Soak the seed in warm water for 48 hours before sowing, and sow under glass early. Mixed varieties 10

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. Seven colors mixed 5

Dwarf White, an exceedingly fine new variety, each plant forming a compact bush 4 or 5 inches tall and a foot in diameter, completely covered with clusters of pure white flowers, remaining in bloom much longer than the old sorts 10

New Carmine, the brightest in color of all the Candytufts 10



DOUBLE PORTULACA.



IMBRIQUE POMPON ASTER.



ANTIRRHINUM.
(Snapdragon.)



CLARKIA,
"MRS. LANGTRY."



NEW CALENDULA METEOR.



MIMULUS TIGRINUS.

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. Sow seed as early as possible in boxes or a frame, and set the plants a foot apart in a good rich soil 5
CENTAUREA, (Bachelor's Button): A genus of very fine hardy plants, the colors varied and bright; mixed colors 5
CHRYSANTHEMUM: The annual varieties of the Chrysanthemum are among the most showy of garden flowers, blooming freely all summer. The plants grow about 2 feet tall, and seed may be sown under glass or in open ground. The flowers are both double and single, and of various shades of red, yellow, maroon, brown and white. All colors mixed 5
CLARKIA: Fine and pretty hardy annual, blooming profusely in early summer. Sow seed in the open ground where they are to bloom as early as possible, and thin plants to 5 or 6 inches apart. The colors are purple, rose, crimson, white, magenta, magenta edged white, &c. Finest mixed, double and single, of every shade 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

DATURA: Large branching plants about 2 feet tall, with magnificent yellow and white trumpet-shaped flowers from 7 to 9 inches long. Start the seeds as early as possible under glass. Double and single mixed 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 choicest named varieties 15
DELPHINIUM (Larkspur): Very fine and 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 to 8 inches apart. 10 of the finest double varieties and colors,—all 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,



NEW EMPEROR PETUNIA



NEW EMPEROR PETUNIAS.

- 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, mixed colors 15
- 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
- GODETTA**: Fine, hardy plants with a profusion of showy flowers; plants may be set 6 inches apart; mixed colors 5
- Lady Albemarle*, a comparatively new sort having bright rose-colored flowers that cover nearly the whole plant 5
- HIBISCUS Africanus**: Large, showy flowers, cream color, with black center 5
- HELLANTHUS** (Sunflower): *Double green-centered*, very double 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; 6 colors mixed 5
- cardinalis*, (Cardinal flower). A splendid hardy perennial, with spikes of brilliant dark scarlet flowers, blooming the first season if sown early 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
- MIGNONETTE**, *Sweet*, (*Rosed. odorata*): Well known fragrant, hardy annual 5
- Miles' New Spiral*, a new variety, which has proved one of the best 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
- 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



ABUTILON.



AQUILEGIA CÆRULEA (Rocky Mountain Columbine)



LOBELIA.



CROWN ASTER.



DATURA.

MOLUCELLEA *Lævis*, (Shell Flower): A very singular hardy annual, a native of Syria, with curious shell-like flowers 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

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.

PANSY, 15 varieties mixed 10

New Diamond. I offer this season an improved strain of this lovely flower, which in size, form and endless variety of markings is much superior to any other. (See Colored Plate and Novelty List for prices, &c.)

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 frosts in autumn; 12 fine varieties mixed . 10

New Emperor, a new strain and the finest in cultivation. (See Novelty List for prices, &c.)

PETUNIA, Double: The Double Petunia bears no seed, and seed that will produce a fair proportion of double flowers is produced by crossing the single flowers with the double, which is a slow and expensive process. Seed should be sown in a frame or boxes, and particular care taken to save the smallest, weakest plants, as these are the ones that produce the finest double flowers. Packet of about 50 seeds, first quality 25

New Double Fringed, Beautifully fringed double flowers; choicest mixed, packet of about 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 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. 16 varieties mixed 5

Pure White 10

Brilliant Crimson 10

grandiflora, an improvement on the old variety, with larger flowers of more perfect form; mixed colors 10



DIANTHUS LACINIATUS FL.—PL.



GAILLARDIA LORENZIANA (see Novelty List).

POPPY, (*Papaver*): An old and well-known hardy annual; some of the best varieties are well worthy of culture. Best double varieties, 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, grandiflora: 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. 10 colors 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 the plants 8 inches apart. Eight fine colors mixed, first quality 10

RICINUS, (*Castor Oil Bean*): A class of ornamental foliage plants of great beauty and 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. 5 varieties mixed 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 very pretty half-hardy annual, growing about two feet in height, the plants being literally covered with small, curiously spotted and mottled flowers. 10 varieties mixed 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

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. Best German seed, 15 colors mixed 10



SALPIGLOSSIS (Velvet Flower).



TEN WEEKS STOCK.



PHLOX DRUMMONDII.



VERBENA HYBRIDA.

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

Mixed colors 5

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

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

Scarlet, scarlet and red varieties mixed 15

White, comes true to color 15

Montana, a hardy Verbena with rosy purple very fragrant flowers. Blooms finely the first year and very profusely the second. 10

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; eight fine colors mixed 10

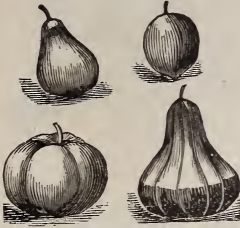
CLIMBING PLANTS.

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.

COBÆA 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

CONVULVULUS 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. Seed must be planted in the fall, or well soaked in warm water 10



ORNAMENTAL GOURDS.



DOUBLE ZINNIA.



MAURANDYA.

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

IPOMEA: Beautiful plants climbing 10 to 15 feet, the flowers resembling those of the Morning Glory, but most varieties much larger; 4 varieties mix d 5

Quamoclit, (Cypress Vine), elegant foliage and small bright scarlet and white flowers. Soak the seed well in hot water and sow under glass early. Mixed colors 5

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

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, scarlet striped white, purple striped, blue edged, rose and white, white, brownish purple, and blush,—all colors mixed, per lb., \$1.00, per oz., 10 cts 5

THUNBERGIA: 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

TROPEOLUM 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. All colors mixed 5

peregrinum, (Canary Flower), profusion of bright yellow flowers; 15 feet 10

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 and white mixed colors 5

GOMPHRENA globosa, (Globe Amaranth) : The best known of the Everlasting flowers. Do not pick until the flowers are fully grown. Mixed colors 5

HELICHRYSUM monstrosum: 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 10

RHODANTHE Manglesii: A very fine Everlasting, with beautiful, bell-shaped rose colored flowers 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.

Finest mixed annual sorts 10

Best mixed perennial varieties 10

ERIANTHUS Ravennæ: 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



EVERLASTING FLOWERS.



The Everlasting Flowers are a very valuable and beautiful class, keeping their natural form and



CALLIOPSIS.



EUPHORBIA MARGINATA.



SCHIZANTHUS.



MIRABILIS JALAPA.
(Four O'clock.)



DOUBLE DAISY.



HELICHRYSUM.

PERENNIALS.

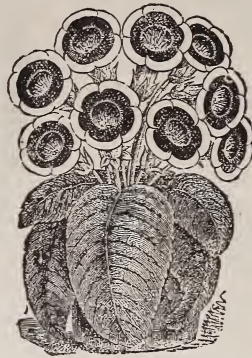
THE varieties under this head flower in May, June and July of the second year. Sow the seed in the spring, and set the plants about six inches apart, in some unused corner of the garden, through the summer, removing to the beds where they are to flower early in the fall.

- AQUILEGIA**, (Columbine): An old, hardy perennial, producing fine flowers of a great many colors; 12 varieties mixed 5
- cærulea*, 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. 10
- leptoceras chrysantha*, like the above except in color, which is a beautiful canary yellow; remains in bloom a long time 5
- CAMPANULA**: These are among the best of the perennials, with large bell-shaped flowers, white, rose, blue, etc.
- Medium*, (Cantebury Bell), double and single mixed; eight colors 5
- calycanthema*, a new and beautiful variety, with the calyx the same color as the corolla. 10
- grandiflora*, very large open flowers of a beautiful light blue, remaining in bloom half the summer; 2 feet 10
- CARNATION**, (*Dianthus caryophyllus*): The most magnificent of the Pink family; fine mixed 10
- Choicest mixed*, German seed, from named flowers only 25
- DIANTHUS plumarius**, the old original fragrant Clove Pink 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
- DIGITALIS**, (Foxglove): A very fine perennial, with very long racemes of drooping bell-shaped flowers; 3 feet; mixed colors 5
- Ivory's New Spotted*, a great improvement on the older sorts 10

- HOLLYHOCK**, (*Althea rosea*): The most showy of all the perennials; finest mixed, double 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
- 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 . . . 5
- Parthenium flore-pleno*, (Double Feverfew 5
- PERENNIAL PEAS**, red and white mixed . . . 10
- PENSTEMON**: One of the best of the perennials, the flowers in long spikes 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
- 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 Oct. and Nov. only 20
- 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 some of them having a large white center banded with crimson, purple and violet and edged with white. Finest mixed, double and single, a great variety 5



CYCLAMEN.



GLOXINIA GRANDIFLORA.



CHINESE PRIMROSE.



COLEUS.



CALCEOLARIA.

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, very fine 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 15
- BEGONIA, Tuberos-rooted:** Exceedingly beautiful, profuse-blooming flowers of various shades of red and yellow; choicest mixed varieties, from the best collection in Europe 15
- CARNATION, Monthly or Perpetual:** choicest mixed 25
- CALCEOLARIA,** choicest mixed 20
- 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; choicest mixed 15
- Extra choice mixed,** from the finest prize collection in Ger. any 25
- CHINESE PRIMROSE,** (*Primula Sinensis*): The Chinese Primrose is one of the most satisfactory of house plants. The flowers are white and many shades of red, often finely spotted and striped. Plants from spring-sown seeds will bloom profusely the following winter. Seed requires from 6 to 8 weeks to germinate. Fine mixed, packet of about 25 seeds 10
- Choicest mixed,** from the finest prize collections of fringed and large flowering varieties in Europe; packet of about 30 seeds 20
- fore-pleno,** double, choicest mixed, packet of 10 seeds 40
- 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. Choicest mixed, saved from a large number of the newest and best varieties; packet of about 50 seeds 25
- CLIANTHUS 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; packet of 15 seeds 15
- CYCLAMEN Persicum:** Splendid bulbous plants, with Orchid-like, delicately colored flowers; choicest mixed; 15 seeds 15
- giganteum,** superb new strain with very large flowers of rich and varied colors; packet of 10 seeds 30
- GERANIUM:** These well-known bedding and house plants are easily grown from seed, which germinates 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
- GLOXINIA grandiflora:** Beautiful bulbous plants, producing in profusion flowers of the richest and most varied colors. Seed germinates very slowly; choicest mixed 15
- 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 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. Soak the seed in warm water for 48 hours before sowing 10



CHINESE YAM, OR CINNAMON VINE.



SEEDLING GLADIOLUS.

Bulbs and Plants.

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, 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, and they will always give a good account of themselves.

Bulbs can be sent only in April and May.

200 Named Varieties, prices from 15 cts. to \$8 00 each according to newness or rarity.

Mixed Varieties, including many fine seedlings. These are fine flowering 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

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 new sort with larger flowers than the old variety. Per doz., \$1.25; two for 25 cts.; each 15

CHINESE YAM, or Cinnamon Vine, (*Dioscorea batatas*): A beautiful herbaceous, ornamental 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. 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. Packet of one dozen bulblets (ready in April) 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 during winter with leaves or straw, in the North, leaving it on through the summer to keep the ground cool and moist; 20 of the best sorts, 25 cts, to \$2.00 each.

PEONIES, 25 named varieties, each 35

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

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

My Catalogue for 1885 will be published in January next. It will contain an elegant Colored Plate of new flowers, and a copy will be sent to all who order seeds this year. I design to have it reach all customers before the first of February, and should any fail to receive it by that date, please notify me and I shall be pleased to forward another. The prices in this Catalogue will hold good until another is issued.

VEGETABLE SEEDS.

After trying nearly every variety of vegetable seeds introduced for many years, I offer the following as the very best selections that can be made for family use.

	Per pkt.		Per pkt
ASPARAGUS, Conner's Colossal , largest and best; soak the seed in warm water before sowing; per oz., 10 cts . . . . .	. 5	MELON, MUSK, Casaba , a very large, oblong, sw et and delicious green-fleshed sort, growing to a weight of 10 to 15 lbs. each; per oz., 10 cts . . . . .	. 5
BEEF, Egyptian Blood Turnip , the earliest variety grown; per oz., 10 cts . . . . .	. 5	Montreal Market , a superb new variety, large and very sweet . . . . .	. 10
Early Bassano , early and good; per oz., 10 cts . . . . .	. 5	MELON, WATER, Phinney's Early , the best variety grown for the North; very early; productive, and sweet; per oz., 10 cts . . . . .	. 5
Early Blood Turnip , per oz., 10 cts . . . . .	. 5	Ice Cream , very sweet; per oz., 15 cts . . . . .	. 5
Long Blood Red , per oz., 10 cts . . . . .	. 5	The Boss , new and one of the very best for home use . . . . .	. 10
Imperial Sugar , very sweet, and best sort for winter use if sown late; per oz., 10 cts . . . . .	. 5	ONION, Early Red Globe , per oz., 20 cts . . . . .	. 5
CABBAGE, Early York , per oz., 15 cts . . . . .	. 5	Wethersfield Large Red , per oz., 20 cts . . . . .	. 5
Little Pixie , very early; per oz., 20 cts . . . . .	. 5	Danvers Yellow, (true Globe Variety) , per oz., 20 cts . . . . .	. 5
Early Winningstadt , per oz., 20 cts . . . . .	. 5	White Globe , large; mild flavor; oz., 35 cts . . . . .	. 5
Early Wakefield, (American) , per oz., 40 cts . . . . .	. 10	PARSLEY, Covent Garden . . . . .	. 5
Henderson's Early Summer , one of the most profitable early sorts; per oz., 40 cts . . . . .	. 10	PARSNIP, Sutton's Student , per oz., 10 cts . . . . .	. 5
Stone Mason Marblehead , a very solid and first-rate winter variety; per oz., 40 cts . . . . .	. 10	PEPPER, Tomato-formed , per oz., 30 cts . . . . .	. 5
Marblehead Mammoth , the largest variety grown; per oz., 40 cts . . . . .	. 10	Sweet Mountain, or Mammoth , per oz., 30 cts . . . . .	. 5
Premium Flat Dutch , per oz., 25 cts . . . . .	. 5	Cherry-formed , very hot; per oz., 30 cts . . . . .	. 5
Fottler's Brunswick , per oz., 30 cts . . . . .	. 5	PUMPKIN, Large Cheese , per oz., 10 cts . . . . .	. 5
Drumhead Saroy , per oz., 15 cts . . . . .	. 5	RADISH, Long Scarlet , per oz., 10 cts . . . . .	. 5
Large Late Blood Red ; per oz., 20 cts . . . . .	. 5	Red Turnip , per oz., 10 cts . . . . .	. 5
CAULIFLOWER, Early Snowball , the earliest and most reliable variety . . . . .	. 25	French Breakfast , olive-shaped red, per oz., 10 cts . . . . .	. 5
CARROT, Early Horn , per oz., 15 cts . . . . .	. 5	Chinese Rose Winter , per oz., 15 cts . . . . .	. 5
Half-Long Stump-Rooted , per oz., 15 cts . . . . .	. 5	California Mammoth White Winter . . . . .	. 5
Long Orange , per oz., 15 cts . . . . .	. 5	SPINACH, Round-Seeded ; per oz., 10 cts . . . . .	. 5
CELERY, Boston Market , per oz., 25 cts . . . . .	. 5	SQUASH, SUMMER, Early Bush Scallop , per oz., 10 cts . . . . .	. 5
Turner's Dwarf White , one of the best; per oz., 20 cts . . . . .	. 5	Early Bush Crook-Necked , per oz., 10 cts . . . . .	. 5
Turner's Dwarf Crimson , per oz., 20 cts . . . . .	. 5	SQUASH, WINTER, Hubbard , per oz., 10 cts . . . . .	. 5
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	Marblehead , very dry and sweet . . . . .	. 5
Ford's Early , a new variety, and decidedly the tenderest and sweetest of all the early sorts; a few days later than Marblehead . . . . .	. 10	Turban , a very fine fall sort . . . . .	. 5
Crosby's Early , a week or two later than the above; ears large, tender and sweet . . . . .	. 10	Boston Marrow , oz., 15 cts . . . . .	. 5
Stowell's Evergreen, . . . . .	. 10	SALSIFY, or Vegetable Oyster , per oz., 25 cts . . . . .	. 5
Egyptian , new, very tender, and the sweetest of all varieties; very large and prolific, and a week or two later than the Evergreen . . . . .	. 10	TOMATO, Acme , very early, solid, smooth as an apple and of first quality . . . . .	. 5
CUCUMBER, Early Russian , per oz., 10 cts . . . . .	. 5	Perfection , a very solid, smooth sort, and one of the earliest; in quality not excelled by any other; the best Tomato yet produced; per oz., 40 cts . . . . .	. 10
Early Cluster , per oz., 10 cts . . . . .	. 5	Strawberry, or Winter Cherry , a distinct species, the fruit growing in a husk; nice for canning; per oz., 50 cts . . . . .	. 5
White Spine , per oz., 10 cts . . . . .	. 5	TURNIP, ENGLISH, Early White Flat Dutch , per oz., 10 cts . . . . .	. 5
Tailby's Hybrid , one of the handsomest and best table sorts grown; per oz., 15 cts . . . . .	. 5	Strap-Leaved Red-Top , per oz., 10 cts . . . . .	. 5
Green Prolific , new, and the most productive and best pickling Cucumber, also a fine table sort; per oz., 10 cts . . . . .	. 5	Yellow Globe , per oz., 10 cts . . . . .	. 5
CRESS, or Pepper Grass , used as a salad, mixed with lettuce . . . . .	. 5	Jersey Navet , new, like the Parsnip in form, and the sweetest and best of all for table use; per oz., 10 cts . . . . .	. 5
EGG PLANT, New York Purple . . . . .	. 5	TURNIP, SWEDE OR RUSSIAN, White Sweet , per oz., 10 cts . . . . .	. 5
KOHL RAB, Large Early Purple . . . . .	. 5	SWEET OR POT HERBS , Each of the following are 5 cents per packet:	
LETTUCE, Ice Cabbage , per oz., 15 cts . . . . .	. 5	Horehound, Sage, Marjorum, Sweet, Caraway, Thyme, Summer Savory, Coriander, Lavender.	
All the Year Round , per oz., 25 cts . . . . .	. 5		
Early Tennis Ball , per oz., 15 cts . . . . .	. 5		
Boston Curled , per oz., 25 cts . . . . .	. 5		

NOVELTIES FOR 1884.

(Continued from Page 3.)

<i>Helichrysum, Fireball.</i> The flowers of this variety are brilliant crimson and maroon, and it is the brightest and richest of any variety of Everlastings	10	<i>Phlox Drummondii, New Dwarf.</i> The plants of this new section are only five or six inches tall, very compact and are completely studded with flowers when in full bloom; 6 colors mixed	15
<i>Lobelia, "Prima Donna."</i> The raiser of this new variety describes it as being of very dwarf habit and of a rich crimson-maroon color	25	<i>Sweet Mignonette, Golden Queen.</i> This new variety has proved the best and most distinct variety yet produced. The plants are compact and bushy and the flowers are tinged with golden yellow, and are entirely distinct in color from any other sort	15
<i>Nemophila atomaria atro-cerulea.</i> "A variety having bright azure blue flowers with a white center encircled with a zone of black	25	<i>Sweet Mignonette, Diamond.</i> The flowers of this new sort come the nearest to being white of any of the so-called white Mignonettes	15
<i>Nicotiana affinis.</i> This has proved one of the finest and most desirable new annuals of recent introduction. The plants grow about three feet tall and bloom profusely all summer. The flowers are white, two or three inches long and about as much in diameter and very sweet-scented. The spikes of flowers can be cut and placed in water in the house, where it will open its flowers in succession for a week or more quite as well as in the garden. Seed should be sown under glass or in boxes	10	<i>Sweet Pea, "Adonis."</i> The flowers of this new variety are said to be of a bright rosy carmine or pink color	25
		<i>Tropaeolum minus, Empress of India.</i> This variety is the deepest and brightest in color of any variety of Nasturtium, being of a very brilliant crimson	15

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 ready 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 the 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. B. D. WALSWORTH, Sackett's Harbor, N. Y.—I am so well pleased with my first attempt at raising flowers that I feel it my duty to tell you of the splendid success I had with every kind of seeds I received from you. The Verbenas and Phlox were lovely with every shade and color imaginable. The Petunias did well and the Daisies were beautiful. But the Asters were wonderful; they were very large and double and of the loveliest shades. I exhibited them at our county fair and got a premium on them.

From M. E. C. PEARCE, East Baton Rouge, La.—Last year I had your collection of seed. My Asters were splendid; one plant had eighty-seven blooms at one time. I had sixty China Pinks, many beautiful shades, thirty Pansies, and about a hundred Helichrysums. I think it was the best investment in seed I ever heard of.

From MRS. G. W. DAVIS, Pine Bluff, Ark.—My flowers were the admiration of the whole county and my bouquet of Everlastings grown from your seeds took first premium at our State Fair. My Pinks are magnificent. I consider your seeds superior to those sold by any other firm I have patronized, and I have patronized quite a number.

From ALICE L. HEADLEY, Bistonia, Pa.—I sent for your collection of seeds last year, and was very much pleased with them. The Pansies were very nice; I had about 40 plants and no two of them were alike. I had 16 kinds of Verbenas, Pinks almost innumerable, and about 25 different shades of Everlastings. My Gladiolus were nice. I raised about a dozen Dahlias from the seed received from you, nine of which blossomed, six being very nice and double. I received premiums at the Jacksonville fair on my *Celosia plumosa*, Pansies, Eternals, Verbenas, &c., in fact they were the cheapest seeds I ever bought and really worth ten times their cost.

From MRS. C. T. NORRIS, Springville, N. Y.—I must say that your collections of seeds are always just what I want and the best seeds I ever bought. This is the fourth year I have purchased them.

From MRS. C. W. ROWLEY, Northampton, Mass.—I was more than satisfied with the seeds [sent last year. The Pansies alone were worth more than I paid for the collection.

From MRS. H. WEYMAN, Brady's Bend, Pa.—The package received from you last spring gave entire satisfaction, all being not only good seeds but as represented. The Pansy seed gave unexpected results producing the finest assortment in size and variety of colors in town, one being a remarkably fine double one, the first double one I ever saw.

From MISS LETTA SPENCER, Hudson, Mich.—I had beautiful Pansies and Asters last year from your seeds. I had eight plants of Dahlias and they blossomed almost as soon as from tubers.

From MRS. G. W. CAREY, Darlington, Pa.—The flower seeds bought from you last spring have given perfect satisfaction. Everything proved true to name and as good as any one could wish. I cheerfully give you the credit of sending out first-class seeds. Our Pansies are truly choice in variety and size, some of them measuring two inches. The Chinese and Japan Pinks cannot be excelled either in variety or size, many of them measuring three inches in diameter.

From MISS MOLLIE E. PEACOCK, Pontiac, Mich.—The 27-cent package we sent to you for last year were splendid. Our flower garden was admired by every one. We received \$14.00 in premiums at our County Fair. We received first premium on Pansies and they were the most beautiful ones I ever saw.

From A. P. NEAFIE, Goshue, Mass.—I never had so lovely flowers as those I raised last summer from your seeds, and I do not think it was a good season either. Not one failed, and my Asters and Double Portulacas kept in bloom until after frost. The latter were like Roses and almost as pretty in bouquets.

From MRS. J. M. CHENEY, Sonoma, Cal.—The seed I got from you all did well except Primrose, which I think I gave too much water. I think every seed of Gloxinias grew.

THE COLORED PLATE.—Since the body of the catalogue was printed, I have received the colored plates from the lithographer and find that he has made the ground color of variety No. 6, "Juno," a little too bright to be quite natural.