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## 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 dsters, 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 seeas. 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-tive 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 whils 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 eurrency.

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 tilled without further delay.

BEFORE SENDING YOUR order please examine it cal efully, 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, L'etunias, 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 irrhinum (Snapdragon) mixed colors; Sweet Alyssum; Asperula azirea setosa; Asler, New Rose, mxed color ; Calliopsis, mixed colors; Swin River Dai y (rachycome); Candytuft, mixed co o ; Convolvulu - minor, mixe ' co ors; China and Japan Pinks, all varieties mixed; Clarkia mixe c lors; Gorletia mixed co ors; Cale, ula Meteor; Sweet f ig onette; Ice Plant; Pansy mixed varieties; Petuni imixed c 1 ois; Phl x Dru nut ndii, all colors mixer; Portulacea, m xed color ; Salpi-lossis (Velvet Flower), mixed colors; Verbena, choicest mixed; V rginian Sto k, m xed col rs; Whitlavia, mix d colors; Double Zinnia, clo c st mixed; Helichrysum, mixed colors; Moruing Glory, mixed colors; Oruam utal Gourds, mix+d varieties; Canterbury Bell double and single mixed; Ornamental Grasses, annual varieties mixed; Sweei William, finest mixed; Clove Pink.

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 thousaud 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 enstomers 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 (olored Plate)
Aster, Truffauts Paony-fl., 18 colors mixed
Verbena, choocest 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).
Arnual 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.
Cantrrbury 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 seleciion.

## 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 re ward liberaily all who thus assist in extending my trade. For a club of four subscribers to the 30 -cent colltction, remitting $\$ 120$ 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 umbrosium, 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 Ammobium grandiflorum.

If you get one subscriber you may select any one of the above varieties; for two subseribers any two varieties, and for three subscribers any four varieties. For each subscriber over four, seeds in packeto to the value of ten cents may be selected from the catalogue.
In addition to these very liberal seed premıums 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 collaction, to be divided as follows:
FIRST PKIZE, $\$ 4000$, 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 larg' st number of new subscribers.
FOIRTH PRIZE, $\$ 1000$, 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, $\$ 200$ for the club containing the serenth largest number of new subscribers.

## COINDITIONS, dec.

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 premiuns can be allowed unless the above condittons 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 clnb (which is much the best way when convenient to distribute, as they usually eo safer when sent to one address) or if not convenient for the raiser of the club to distrib. ute them, to each member separately. 'Ihe Gold Prizes will be awarded and forwarded to the successful competitors June 1st, and their names and addresses pnblished 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 efiort 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 Pizes were awarded as follows last year: First prize to Miss A M. Parks, Lynn, Mass. Second 1 rize 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 edually 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 sendin $\$ 1.00$ 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,


1 ZEPHYR New Diamond Pansies.
2 PSYCHE
-AINTED FRDM NATURE EXPRESSLY FUR
4. VENUS

3 AURORA.
5 IRIS
6 J UNO

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## NEW EMPPEROR 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 gradatien. 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 perple, crimson, rose and white; others are elegantly veined with crimson, violet and maroon on a light ground, and several are exquisitely fringed and frilled, resembling ruffeled 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

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

Acroclinium roseum fl. $\dot{p} l$. A beautiful double form of this popular Everlasting which cannot fail to become a general favorite
Ammobium grandiflorum. This is a valuable addition to the Everlasting flowers, being double, pure white and twice the size of the old variety .
Aster, Dwarf Pcony Perfection. A new class of $A$ sters of dwarf habit producing exceedingly double, medium sized flowers; six colors mixed
Dwarf Paony Perfection, Pure White. Novelty of this season . . . . . . . . . . . .
Chrysanthemum, the Sultan. A new and fine annual variety. The flowers are rich velvety maroon with yellow and brown centers . .
Dahlia, New Single. 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 Clarkia, "Mrs. Langtry." The Clarkias are all exceedingly pretty, profnse blooming an-

Prince of Wales, crimson with white bars . . . 10
25

## SOWING FLOWER SEEDS, TRANSPLAN IING, dc.

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 th elve 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 nureh as possible. It can be nade of any size rlesired 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 A pril is the proper time in this latitude to stait seeds in a cold frame, and the plants will be large enough to transpiant to the beds where they are to bloom as early as would be safe irom frost.
Prepare a bed in a warm sheltered spotin 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 tirm 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 wood-, which has been sift d through a fine sieve, near at hand, and if the seeds are very small, carefully sift it over them. Probably more fallures to make seed germinato resuit from covering too deep than from any other canse. A goud and safe rule for the smaller kinds of seerls is to cover to a depth of about twice the diameter of the sced. This would give a covering of one-eighth to one fourth of an inch to such seels as Aster, Phlox and Verbena; one-sinteenth of an inch to Petunia, Portulaca, and seeds of like size, while very tine secds, 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 mportant to make the soil as hard and firm as possible; then water carefully with a pot having a tine 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, tike Aster and Zinnia, germinate, under favorable circumstances, in a tew days, while others require several weeks. Geranium aud Verbena seeds genminate very unevenly, some seeis coming up in a we ek or ten days. while some will remain dormant a month or nore, and the soil should be kepi moist and not be disturbed for at least amonth 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 fluring warm, sumy days Pull out the weeds as last 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, sumy window in the house, covering each box wilh 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 seedo 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 suwing the small, delicate seeds in the beds where they are to flower. It is always best to sow all but a few varielies like the Larkspurs and Poppies, which do not transplant well, in a seed-berl, in the same way as directed for coldframes. Sow the half-hardy varieties about the miodle of May, in this latitude, or about the time corn is usually planted Hardy anmals may be sown two weeks earlier, and tender anmuais not until two weeks later than this. Great care must be taken in watering and-hading 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 thichnesses 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 of two, transplant to the garden, tirst giving the seed-hed a good soaking with water. Transplanting should be done in a showery day, il possible, but it is better to cransplant 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 though 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 mate so with fertilizers or well decayed mannre. Some varieties do well in almost any ordinary soil, but to 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 a!l who purchase even a single packet of seed should succeed as well as the most experienced gardeners

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

## The Insect Enemies of the Garden and How to Destroy Them. <br> 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 pub lishing. All should have it
## Seeds on Commission.

Merchants and others often write for my terms on seeus 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 seerls 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 weisht, and the postage is ten cents on each package. Seerts 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 purehaser's expense. No Canada postage stamps accepted in payment.

## Post Office,

## Country,

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Please keep remarks, etc., distinct from the order. When remarks, etc., are mixed up with the ardee it cuuses nowed frouble and sumetimes mistakes in filling
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Is 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 abundanc: of flowers through the season; fine for bouquets. Set plants 6 inches apart Blue. white and pink mixed
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
AMARANTHUS: Ornamental foliage plants prodncing a fine effect when grown in beds or masses. The leaves are maroon, red, green and yellow, often curiously variegeted. Plants grow about two feet tall Four varieties mixed. caudatus, (Love lies Bleeding), blood-red flowers in long, drooping clnsters; very pretty
ANTIRRHINUM majus, (Snapdragon): One $o$ the best and most popular of the hardy perennials; blooms abuntantly 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
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
$\boldsymbol{A S T E R}$ : 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 Pcoony-flowered, large flowers, petals slightly reflexed; 2 feet; mixed colors
New Rose, a magnificent variety, and one of the very best; flowers large and very double, with the petals finely imbricated; 2 feet; many bright colors mixed
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
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
Washington, flowers very double and perfect and of large size, measuring under good culture, 4 or 5 inches in diameter; 2 feet; mixed colors
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
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．
Betteridge＇s Prize，plant strong and brauch－ ing，the flowers regularly quilled，with a single row of outer flat petals，which are often of a dif－ ferent color from the centers．The finest quilled sort ；mixed colors ．
$\boldsymbol{B A L S A M}$ ：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 camel－ lias．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 donble and finest in cultivation Pure white，pink， crimson，rose，mauve，scarlet，white striped and spotted with crimson，white stri ed and spotted lilac and purple，crimson mottled white，pink mottled white，scarlet mottled white，all colors mixe
$\boldsymbol{B R A C H Y C O M E ~ i b e r i d i f o l i a , ~ ( S w a n ~ R i v e r ~}$ Daisy），a very pretty little hardy annual，pro－ ducing an abundance of white and blue flowers； 8 inches；mixed colors ．
$B R O W A L L I A$, 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

Rozeli，a new species，with azure blue and white flowers which are double the size of the old varieties ：mixed colors

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 aboul 10 inches apart；mixed colors
CANNA，beautiful foliage plants，with large， broad leaves and scarlet or yellow flowers． Soak the seed in warm water for 48 hours be－ fore sowing，and sow under glass early．Mixed varieties
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 mix d
Dwarf White，an exceedingly fine new varie－ ty，each plant forming a compact bush 4 or $\overline{5}$ inches tall and a foot in diameter，completely covered with clusters of pure white flowers， remaining in bloom much longer than the old sorts

New Carmine，the brightest in color of all the Candytufts


DOUBLE PORTULACA.


CLARKIA,
'"MRS. LANGTRY."


IMBRIQUE POMPON ASTER.


NEW CALENDULA METEOR.


ANTIRRHINUM.
(Snapdragon.)


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
New Japan, a very beautiful variety, the combs delicately cut and of the brightest scarlet and crimson; 2 to 3 feet tall .
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 tn a good rich soil
CENTAUREA, (Bachelor's Button) : A tenus of very fine hardy plants, the colors varied and bright; mixed c lors.
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 . .
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 wbite, \&c. Finest mixed, double and sing $e$, of every shade
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
D.ATURA: Large branching plants about 2 feet tall, with magnificent yellow and white trum-pet-shaped flowers from 7 to 9 inches long. Start the se ds as early as possible under glass. Double and single mixed
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 showy hardy annuals, with long spikes of flow. ers, 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
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
DIANTHUS: These are commonly ealled 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 g'ass.
Chinensis, double; mixed colors . . . . . .
imperialis (Imperial Pink), double; mixed ..
imperialis, double white . . . . . . . . . . .
Heddewigii, produces flowers which are often 3 inches in diameter, and beautifully colored; mixed colors
Heddewigii fl.-pl. atropurpureus, large,

colors . .......................... mixed colors
Incinintus fore-pleno, maцutiocnt, ven
lage double flowew, with derply tonged
.
 very brillimet markings and colors
Henderrigit relbus phenus, large; double;
Eastern Qucen, a new and beantiful varicty ; flowers large, white, marbled with crimson. Abuve Il verieties, mixed ........ DOUBLE D.HSY, (Bellis peremis): A well kuow hardy, little flower. Sced should be sown as early as possible, and the phants se Best Gicrnau seed, mixed colors, EUPHORBLA margiuata, (Snow on the Momuain): 1 finc foliage plant, the leaves on the top of the plants margined with pure white 18 inches tall.
ATLLARDIA, (Blanket Flower) : An excel lent bedding plant, of good habit and plenty of red, orange and white flowers all summer about in foot in height, and plants should stand GOIDETYA: Fine, hardy plants with a profu sion of showy flowers; plants may be set $\theta$ inches apart ; mixed colors
Lady Abemarle, a comparatively new sor having bright rose-colored flowers that cover HIBISCOS Africauns: Large, showy flow H ELI AVTHUS (
HEDANTH Doublegreen LOBELIA: Berutiful hardy annuals, bearing a great number of small richly-colored flowers Exceedingly fine for basket s or edging to bed set 4 or 5 inches apart 6 colors mixed set 4 or sheches (Came, 6
wurdy perenuial, with spikes of brilliunt duk hardy percmian, wion she fist season if scawe teason

MESEMBRYANTHEMUM erystallin. nem (Ice Plant): A cutious half hardy ammat; the leaves look as though conerned for baskets.
of ice; of trailing habit; very fine for MIGNONETTE, Sweet, (Resed: odorata
Well known fragrint, lardy munul Miles' New Spirnt, a new varicty, which has proved olle of conpact labit, with lrng spikes closely set whin flowers Plants shonld stand
at least 18 inches apart to become fully develMIMULUS, (Monkey Flower): Pretty, halfhardy plants, produciug a profusion of small, deliche flowers
hybridus figrimen, bealtifully spotted; best - TH ABLIS Jula
sirable halfhardy peremial, often called Four Oclock, Marvel of Pcili. \&c T © plant in wry branching, rad the thwes ane lunge and of
bright colors and freely produced. About 2 feet in height and plants should be set 2 feet - apart; mixed, colors


MOLUCCELLA Lavis, (Shell Flower): A very singular hardy annual, a native of Syria, with curious shell-like flowers .
MYOSOTIS palustris, the well-known 'For-get-me-not, producing clusters of delicate white and blue flowers
$\boldsymbol{N E M O P H I L A : ~ A ~ v e r y ~ p r e t t y ~ h a r d y ~ a n n u a l , ~}$ 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 .
CENOTHERA, (Evening Primrose): Showy, hardy plants, which open their flowers suddenly about 6 o'clock in the evening.
acaulis alba, a very dwarf plint, producing exceedingly beautiful pearly-white flowers, about 4 inches across
Lamarckiana grandiflora, produces an abundance of long, yellow flowers, 4 inches across; very showy hardy biennial, blooming first season if sown early .
OXYURA: A fine hardy annual, the flowers daisy-like, lemon-yellow, edged with white .
PANSY: The Pansy is one of the most beantiful 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
$\boldsymbol{P A N S Y}, 15$ varieties mixed
New Diamond. I offer this seaso 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 gr 'wn from seed; leaves dark purple or deep mulberry; 18 inches tall
$\boldsymbol{P E T U N I A}$ : 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
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 .
New Double Fringed, Beautifully fringed double flowers; choicest mixed, packet of about 50 seeds
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


DIANTHUS LACINIATUS FL.-PL.
POPPY, (Papaver): An old and well-known hardy annual; some of the best varieties are well worthy of culture. Best double varieties, mixed colors
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
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 i 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.
Double rose-flowered, a perfectly double variety of the above, the flowers closely resembling small roses Everybody who sees a bed in blomm 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 sonn 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
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 mired.

gaillardia lorenziana (see Novelty List).

SALPIGLOSSIS: An exceedingly fine hardy annual that deserves more extended culture than it receives. The flowers are large, bellshaped, of very rich and raried 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
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
coccinea splendens, scarlet, large and showy 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
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 .
SCHIZANTHUS: A very pretty half-hardy annual, growing about two feet in height, the plants being literally covered with small, curiously spo ted and mottled flowers. 10 varieties mixed
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
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.


salpiglossis (Velvet Flower).


PHLOX DRUMMONDII.
STOCK, Virginian: A very profuse blooming hardy annual of easy culture. Plant compact, with a profusion of small white and red flowers. Mixed colors
TAGETES, (Marigold): An old and wellknown flower; finest double African and French varieties mixed
TROPGEOLUM 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.
$\boldsymbol{V} \boldsymbol{E} \boldsymbol{R} \boldsymbol{B} \boldsymbol{E} \boldsymbol{A}$ : 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 s possible, and set the plants at least 18 inches apart.
hylvida, choicest seed, saved from over 100 varieties of every shade of colo:
Scarlet, scarlet and red varieties mixed
White, comes true to color.
Montrina, a hardy Verbena with rosy purple very fragrant flowers. Blooms finely the flrst year and very profusely the second.
WHITLAVIA, grandifora: Very pretty hardy annuals, with bell-shaped blue and white flowers; 10 inches in lieight; thin plants to 6 inches apart; mixed colors.

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
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The anuual 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.
COBCEA 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
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.
ECHINOCISTIS lobrata: 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


ORNAMENTAL GOURDS


DOUBLE ZINNIA.

DOLICHOS lablab, (Hyacinth Bean): A good climber, with purple and lilac flowers
GOURDS, Ornamental: is fine class of halfhardy annuals, producing some of the most beautifully colored and curionsly shaped of all fruits. Package containing seeds of Orange, Lemon, Apple, Pear, Gooseberry, Egg, and other sorts
IPOMCEA: Beautiful plants climbing 10 to 15 feet, the flowers resembling those of the Morning Glory but most varieties much larger; 4 varieties mix d.
Quamoclit, (Cypress Vine), elegant foliage and small bright scarlet and white flowers Soak the seed well in hot water and sow under glass early. ixed colors .
LOPHOSPERMUM Hendersoni, oue of the finest of climbing plants, with bell-shaped rosy carmine flowers; 5 feet
MAURANDYA Barclayana: A baautiful climber, with bell-shaped flowers and neat, abundant foliage; 6 feet; mixed colors.
SWEET PEAS: A weli-known and very fragrant hardy anuual. 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, browaish purple, and blush,-all colors mixed, per lb., $\$ 1.00$, per oz., 10 cts
THUNBERGIA: A very ornamental freeflowering, tender annual; exceedingly fine for baskets, and does well in the garden; sow seed in a frame or boxes; 4 feet; mixed colors.
TROPCEOLUM 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
peregrinum, (Canary Flower), profusion of bright yellow flowers; 15 feet


The Everlasting Flowers are a very valuable and beautiful class, keeping their natural form and
color for many years. The flowers should be cut when in the bud, or as soon as they begin to open, and hung up in small bunches so that the stems will dry straight. They may then be worked up into small bouquets, wreaths, baskets, etc, and make beautiful ornaments for the parlor Plants of all the varieties may be set about 10 inches apart
ACROCLINIUM roseum: One of the most beautiful ot the Everlastings; bright rose color and white mixed colors .
GOMPHRENA globosa, (Globe Amaranth): The best known of the Everlasting flowers Do not pick until the flowers are fully grown. Mixed colors .
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
HELIPTERUM sanfordi: A very choice variety, each plant bearing a good many large clusters of small, rich golden-yellow flowers . . .
RHODANTHE Manglesii: A very fine Everlasting, with beautiful, bell-shaped rose colored flowers

ERIANTHUS Ravenno: 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


## 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 piants 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
corulea, 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.
leptoceras chrysantha, like the above except in color, which is a beautiful canary yellow; remains in bloom a long time.
CAMPANULA: These are among the best of the perennials, with large bell-shaped flowers, white, rose, blue, etc.
Medium, (Canterbury Bell), double and single mixed; eight colors .
calycanthema, a new and beautiful variety, with the calyx the same color as the corolla.
grandifora, very large open flowers of a beautiful light blue, remaining in bloom half the summer; 2 feet
$\boldsymbol{C A R N A T I O N , ~ ( D i a n t h u s ~ c a r y o p h y l l u s ) : ~ T h e ~}$ nost magnificent of the Pink family; fine mixed
Choicest mixed, German seed, from named flowers only
DIANTHUS plumarius, the old original fragrant Clove Pink
DELPHINIUM, (Perennial Larkspur): For a mass of blue there is nothing that will equal in richness and brilliancy the Perennial Larkspurs; finest mixed
DIGITALIS, (Foxglove): A very fine perennial, with very long racemes of drooping bellshaped flowers; 3 feet; mixed colors
Ivery's New Spotted, a great improvement on the older sorts

HOLLYHOCK, (Althea rosea): The most showy of all the peremnials; finest mixed, double
IPOMOPSIS, (Summer Cypress): A beautiful plant, with finely divided leaves and long spikes of scarlet and yellow flowers; 3 feet tall; mixed colors
PYRETHRUM roseum, (Insect Powder Plant): A fiue, hardy plant, with large Daisylike flowers of different shades of red. The insect powder of commerce is the dried and powdered petals of the flowers; mixed colors. .
Parthenium flore-pleno, (Double Fever-f-w
PERENNIAL PEAS, red and white mixed PENSTEMON: One of the best of the perennials, the flowers iur long spikes of very bright scarlet, rose, yellow, etc.; mixed colors
$\boldsymbol{S W E E T} \boldsymbol{R} O C \boldsymbol{C} \boldsymbol{K} \boldsymbol{E}$ : Proluces lavge clusters of flowers in early spring; white and purple mixed

5
PERENNIAL PHLOX: The Perennial Phlox i : the best hardy perennial we have, and is especially tine for city gardens, as it does well in par ial 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 scell saved from about 40 choice sorts, sent in Oct. and Nov only.

20
SWEET WILLIAM, (Dianthus harbatus): The sweet William is an old and well-known flower, and has bern much improved of late years, the trusses and flowers being larger and of a greater variety of rich and beautiful colors some of them laving a large white center banled with crimson. purple and violet and edged with white. Finest mixed, double and single, a great variety.


CYCLAMEN.


COLEUS.


CHINESE PRIMROSE.


CALCEOLARIA.


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, reqnire 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 choivest varieties.

ABUTILON: Popular shrubby plant, with bell-sliaped flowers of tarious colors
BEGONIA, Tuberous-rooted: Exceedingly beautiful, piofuse-blooming flowers of various shades of red and yellow; choicest mixed varieties, fiom the best collection in Europe
CARNATION, Montlly or Perpetual: choicest mixed
CALCEOLARIA, choicest mixed
CINERARIA hybridra: A beautiful freeflowering peremnial of rich and varied colors, that may be had in bloom through the greater part of the year; choice mixed
Extra choice mixed, from the finest prize collection in Ger:। any
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
Choicest mixed, from the finest prize collections of fringed and large flowering varieties in Europe; packet of about 30 seeds .
flore-pleno, double, choicest mixed, packet of 10 seeds
COLEUS: The Coleus is the best of all the foliage plants for badding. 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 An exceedingly pretty climbing plant . . . . .
SOLANUM capsicastrum, (Jerusalem Cherry): A fine old house plant, bearing bright red berries the size of cherries
$\boldsymbol{S M I L} \boldsymbol{A} \boldsymbol{X}$, (M. asparagoides) : An elegant climbing plant, with glossy green leaves. Soak the seed in warm water for 48 hours before sowing .
giganteum, superb new strain with very large flowers of rich and varied colors; packet of 10 seeds
$\boldsymbol{G E R A N I U M : ~ T h e s e ~ w e l l - k n o w n ~ b e d d i n g ~ a n d ~}$ 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
GLOXINIA grandiflora: Beautiful bulbous plants, producing in profusion flowers of the richest and most varied colors. Seed germinates very slowly; choicest mixed

## HELIOTROPE, finest mixed <br> 10

LANTANA: Fine shrubby piants, with clus
ters of Verbena-like flowers; finest mixed ....

LINARIA Cymbalaria, (Kenilworth Ivy): 10 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.
CYCLAMEN Persicum: Splendid bulbous plants, with Orchid-like, delicately colored flowplants, with orchid-like, delicately colored flow-

CLIANTHUS Dampieri, (Glory Pea): A


CHINESE YAM, OR CINNAMON VINE.


SEEDLING GLADIOLUS.


GLADIOLUS: The Gladiolus is the best and most popular of what wre called Summer Bulbs Its tall spikes of large flowers, which are of al most every shade of color, spotted, blotched and striped in the most beautiful manner, are truly gorgeous The bulbs may be planted six inchos 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 $\$ 800$ 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 ets. ; per hunderd, $\$ 3.50$; per thonsand
$\$ 3000$
$\boldsymbol{T U B E R O S E : ~ T h e ~ T u b e r o s e ~ p r o d u c e s ~ a ~ s p i k e ~}$ 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): I 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 A pril)
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.
PAEONIES, 25 named varjeties, each

## 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., \$250; each.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

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.

## FWEGETSABICE SSEEDS.

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.

Perpkt.
ASPARAGUS, Conover's Colossal, largest and best; soak the seed in warm water before sowing; per oz., 10 ets
BEET, Egyptian Blood Turnip, the earliest variety grown; per oz., 10 cls
Early Bassano, early and good; per oz., 10 cts
Early Blood Turnip, per oz., 10 c 's
Long Blood Red, per oz., 10 cts .
Tmperial Sugar, very sweet, and best sort for winter use if sown late; per oz , 10 c .
CABBAGE, Early York, per oz., 15 cts
Little Pixie, very early; per oz , 20 cts .
Early Winningstadt; per oz., 20 c.s
Early Wakefield, (American.) per oz., 40 ct -
Henderson's Early Summer, one of the most profitable early sorts; per oz., 40 cts . .
Stone Mason Marblehead, a very solid and first-rate winter variety; per oz., 40 cts
Marblehead Mammoth, the largest variety grown; per oz., 40 cts
Premium Flat Dutch, per oz., 25 cts
Fottler's Brunswick, per oz., 30 cts
Drumhead Savoy, per oz, 15 cts
Large Late Blood Red; pel' $z, 20$ cts
CAULIFLOWER, Early Snowball, the earlie t and most reliable variety
CARROT, Early Horn, per oz., 15 cts
Half-Long Stump-Rooted, per oz., 15 cts
Long Orange, per oz., 15 ct-
CELERY, Boston Market, per oz., 25 cts .
Turner's Dwarf White, ne of t e be t; per oz., 20 cts
Turner's Duarf Crimson, pel oz., 20 cts
CORN, SWEET, Marblehead. In a test trial of 9 early varieties made by me la-t season, this sort proved the earliest of all Ears of good size and quality
Ford's Early, a new variety, and-decidedly the tenderest and $s$ eetest of al the early sorts; a few days later than Marbleh ad
Crosby's Early, a week or two later than the above; ears large, tender and sweet
Stou'ell's Evergreen,
Egyptian, new, very tender, and the sweetest uf all varieties; very large and prolific, and a week or two later than the Evergreen . . 10
CUCUMBERR, Early Russian, per oz., 10 ets.
Early Cluster, per oz. 10 cts
White Spine, per คz., 10 cts
Tailby's Hybrid, one of the handsomest and best table sorts grown; per oz., 15 cts
Green Prolific, new, and the most productive and best pickling Cucumber, also a fine table sort; p roz., 10 cts .
CRESS, or Pepper Grass, used as a salad, mixed with lettuce
EGGPLANT, New York Purple.
KOHL RABI, Large Early Purple
LETTUCE, Ice Cabbage, per oz., 15 cts
All the Year Round, per oz., 25 cts
Early Tennis Ball, per oz., 15 cts
Boston Curled, per oz., 25 cts

MELON, MUSK, Casaba, a very large, oblong, sw et and delicious green-fleshed :ort, growing to a weight of 10 to 15 lbs . each; per oz.. 10 cts

5
Montreal Market, a superb new variety, large and very weet . . . . . . . . . . . 1
MELON, WATER, Phinney's Early, the best variety grown for $t$. e North; very early; productive, and sweet; per oz., 10 ets
Ice Cream, very sweet; p roz, 15 cts . . . . 5
The Boss, new and one of the very best for home use
ONION, Early Red Globe, per oz., 20 ts . . . 5
Wethersfield Large Red, per oz., 20 cts . . . . 5
Danvers Yellow, (true Globe Variety), per oz., 20 cts
White Globe, large ; mild flavor; oz., 35 ct . 5
PARSLEY, Covent Garden . . . . . . . . . . 5
PARSNIP, Sutton's Student, per oz , 10 cts
$\boldsymbol{P E P P E R}$, Tomato-formed, per oz., 30 cts . . 5
Sweet Mountain, or Mammoth, per oz., 30 ets
Cherry-formed, very : ot; per oz., 30 ets . . . . 5
PUMPKIN, Large Cheese, peroz, 10 cts . . . 5
RADISH, Long Scarlet, per oz., 10 cts . . . . 5
Red Turnip, per oz., 10 cts
French Breakfast, olivt-shaped red, per oz., 10 cts
Chinese Rose Winter, peroz., 15 cts
5
Califoirnia Winter, peroz.,15 cts.
California Mammoth White Winter . . . . 5
SPINACH, Round-Seeded; p roz., 10 cts . . . 5
SQUASH, SUMMER, Early Bush Scal-
lop, per oz., 10 cts
Early Bush Crook-Necked, per oz., 10 cts . . 5
SQUASH, WINTER, Hubbard, per oz , 10 cts

5
Marblehead, very dry and sweet . . . . . . . . 5
Turban, a very fine fall sort . . . . . . . . . . 5
Boston Marrow, oz., 15 cts
5
SALSTFY, or Vegetable Oyster, per oz , 25 cts.
TOMATO, deme, very early, solid, smooth as an apple aud of first quality
Perfection, a very solid, smooth sort, and one of the earliest; in qual ty not excelled by any other; the best Tomato yet produced; per oz., 40 cts
Strawberry, or Winter Cherry, :! distinct species, the fruit growing in a husk; nice for canning; per oz., 50 cts
TURNIP, ENGLISH, Early White Flat
Dutch, per oz , 10 cts
.5
Strap-Leaved Red-Top, per oz , 10 cts . . . . 5
Yellow Globe, per $\mathrm{oz}, 10 \mathrm{cts}$. . . . . . . . . . 5
Jersey Navet, new, li e the Parsnip in form, and the sweetest and best of all for table use; per oz., 10 cts
TURNIP, S WEDE OR RUSSIAN, White Sweet, per oz., 10 cts

5
$S$ WEET OR POT HERBS, Each of the following are 5 cents per packet:
Horehound, Sage, Marjorum, Sweet, Caraway, Thyme, Summer Savory, Coriander, Lavender.
(Continued from Page 3.)

Helichrysum, Fireball. The flowers of this variety are brilliant crimson and maroon, and it is the brightest and richest of any variety of Everlastings
Lobelia, "Prima Donna." The raiser of this new variety describes it as being of very dwarf habit and of a rich crimson-maroon color
Nemophila atomaria atro-carrulea. "A variety having bright azure blue flowers with a white center encircled with a zone of black
Nicotiana affinis. 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 llowers can be cut and placed in water in the house, where it will open its Howers in succession for a weck or more quite as well as in the garden. Seed should be sown under glass or in boxes

Phlox Drummondii, New Dwarf. 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 eoi. ors mixed
Sueet Mignonette, Golden Queen, 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
Sweet Mignonette, Diamond. The flowers of this new sort come the nearest to being white of any of the so-called white Mignonettes
Sweet Pea, "Adonis." The flowers of this new variety are said to be of a bright rosy carmine or pink color

## Tropaeolum minus, Empress of India.

 This variety is the deepest and brightest in color of any variety of Nasturtium, being of a very brilliant crimsom
## OPINIONS OF CUSTOMERRS.

I am constantly receiving letters from all parts of the cointry, containing entirely unsolicited express ions 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 sceds are just as represented. The gardons 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 seeis 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 ant liberal dealing to merit a continuance of orders Uccasionally a failure occurs, and I am asked to replace seed which has failed to grow, and when such fanlure is caused by any possible mistake of $m$ ne, I am ready to restore fourfold. I furnish all my customars 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 ean be with the seed. All experienced garleners well know that, no matter how gool the sced, fuilure 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 Petanias did well and the Daisies were beauiful. 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 yearIhad your colleotion of seed. My Asters were splendit; one plant hat cighty-seven blooms at one time. Ihad 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 growu from your seeds took first premium at our State Fair. My Pinks are magniticent. I consider your seeds superior to those sold by any other firm I have patronized, and I have patronized quite a number.

Froin Abhee L. Heabley, Bistoria, Pa.-I sent for your eolleetion of seeds last year, and was very mueh pleased with them. The Pansies were very nice; I had about 40 plants and no two of them were alike. I hal 16 kinds of Verbenas, links 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, de., in fact they were the cheapest seeds I ever bought and really worth ten times their cost.

From Mis. 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 entlre satisfaction, all being not only good seerls 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 Aight 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 ans 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 cither 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 $\$ 1400$ 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, Gosheu, Mass - I never had so lovely flowers as those I raised last summer from your seeds, and Ido not think it was a good season either. Not one failed, anıl 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.

