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Dick's

U. S. DEPARTMENT OF AGRICULTURE  
DIVISION OF  
21 1899  
BOTANY  
SEED LABORATORY

Garden  
AND Floral  
Guide.



GOLDEN  
WEDDING  
EDITION.

# SUGGESTIONS TO ALL WHO BUY.

REVISED. READ CAREFULLY.

**All Seeds, Bulbs and Plants Free of Postage.**—We will send Seeds, Bulbs and Plants, by mail, to any part of the United States, and Foreign Countries named below at the prices named in this Catalogue, Postage Paid. The only exceptions to this rule are when heavy and bulky articles are ordered by the peck or bushel, or in cases especially noted; otherwise, every package will be paid through to destination. As a general rule we send Plants and Seeds in separate packages.

**Our Customers in Canada.**—We will send to Canada same as in United States, Seeds, Bulbs, Greenhouse Plants, and Plants whose tops die down in winter. But on account of the Canadian prohibitory law, no woody-plants nor Roses can enter Canada. We will, in all cases when it is possible, pay the duties and postage on Seeds purchased at retail catalogue prices, so that our customers will have no trouble or expense, excepting when the price is given delivered at the Express or Railroad office here, such as Potatoes, and other heavy goods.

**Free by Express.**—All orders weighing two pounds or over will be forwarded by Express, if possible. Our customers will oblige us very much by giving their nearest express office and the name of the Company delivering goods. Heavy orders can be forwarded by Stage from the Express office. So please be particular and send special directions when on a Stage route. All stage charges will be prepaid when it is possible to do so. **This applies to Seeds and Bulbs at Catalogue rates, and not on heavy seeds by the peck or bushel, or when especially noted, nor to miscellaneous articles.\* See special notice on shipping potatoes and heavy goods.**

Persons often order small packages sent C. O. D. and the express charges sometimes amount to more than the order, and then they refuse to take them. This is not our fault, of course, but it makes us expense for express both ways, and sometimes loss of the plants; therefore we have adopted the rule to send no goods C. O. D. (collect on delivery). **This rule is imperative.** We are responsible, and guarantee safe arrival. So be sure and send money with the order.

Those who want heavy seeds in large quantities can get them very cheap by freight if they will order early. Many of our customers take advantage of this fact, and more should do so.

**Shipping Plants.**—All orders for plants will be held until about April 1st, when we begin shipping to the warmer states and northward as fast as the weather will permit, unless otherwise requested. **If wanted for winter flowering or immediate use, state the fact and they will be shipped accordingly,** though in case of severe cold storms we may hold for a few days.

**Quality of Plants.**—Our long experience in growing and mailing plants has taught us that it pays to ship strong, healthy plants, and as we guarantee their arrival in good condition, customers may rest assured they will receive the best plants to be had.

**Correspondence.**—We are always glad to hear from customers and to give advice where possible. We recommend a careful reading of "Letter Box" in Vick's Illustrated Magazine, where scores of questions are answered each month.

**Novelties.**—While we do not advertise all the new Flowers and Vegetables listed in Catalogues of other Seed Houses, generally we have seeds in stock and can fill orders for same.

**Cash with Order.**—Filling thousands of orders each week during the rush of business from January 1st to June 1st, makes it necessary that each order be accompanied with the cash.

**The Safe Arrival of Packages Guaranteed.**—We guarantee the safe arrival of packages of Seeds, Bulbs and Plants in good condition in the United States and Canada. If a package fails to reach a customer we will send again as soon as informed of the fact; or if any part is injured or lost we will replace it. We do not consider ourselves held by this guarantee unless complaints are made within ten days after receipt of plants. Sometimes it happens that orders never reach us, and many orders, with cash, reach us without post office or state. Please be particular and save

yourself and us annoyance. When customers fail to receive their Seeds, Bulbs or Plants in a reasonable time they should inform us, and at the same time send a copy of their order, stating the amount of money, and in what manner it was sent.

Whenever writing in reference to previous order, *be sure and mention the post office to which goods were to be shipped, and sign the same name as in the first order.*

**Foreign Countries.**—On packages for Bahamas, Barbadoes, Colombia, Costa Rica, Danish West Indies, Hawaii, British Honduras, Honduras, Jamaica, Leeward Islands, Mexico, Salvador, British Guiana, Newfoundland, Cuba, Porto Rico, Windward Islands, and Philippine Islands, postage will be prepaid as stated above.

**Correction of Errors.**—We take the utmost care in filling orders, always striving to do a *little more* for our friends and patrons than justice and fair dealing require. In case an error is made, we desire to be informed of the fact, and promise to make such corrections as will be perfectly satisfactory.

**Order Sheets.**—Please use the "Plant Order Sheet" (Blue) for Plants, and the "Seed Order Sheet" for Seeds and other articles, and it will prevent considerable delay in filling orders. Have questions and letters separate from order and *always sign name and post office* in same manner on every order and letter.

In writing out order, as far as possible follow same order as in Floral Guide, viz: Flower Seeds, Bulbs and Vegetable Seeds, each alphabetically. *By doing so it will save time in filling order.*

## HOW TO SEND MONEY.

Please send money with the order.

ALL MONEY MAY BE SENT AT OUR RISK AND EXPENSE, if forwarded according to directions, in either manner here stated.

**When remittances are not made according to the following directions, we disclaim all responsibility:**

### FOUR SAFE WAYS.

**Post Office Money Order.**—If your Post Office is a Money Order Office, send a money order which will cost as follows; Sums not exceeding \$2.50, 5 cents; over \$2.50 and not exceeding \$5.00, 7 cents; over \$5.00 and not exceeding \$10.00, 10 cents.

This is the best way and we advise our friends, when possible, to send a money order.

**Express Money Order.**—EXPRESS MONEY ORDERS, to be obtained at all offices of the American, United States, Adams, Pacific, National, Wells, Fargo & Co., and other Express Companies.

**Draft on New York.**—A DRAFT ON NEW YORK can be obtained at any Bank, and this is sure to come safely.


**Registered Letter.**—REGISTERED LETTERS. When money cannot be sent by either of the first three methods, it may be sent in a Registered Letter. The cost of registering is 8 cents.

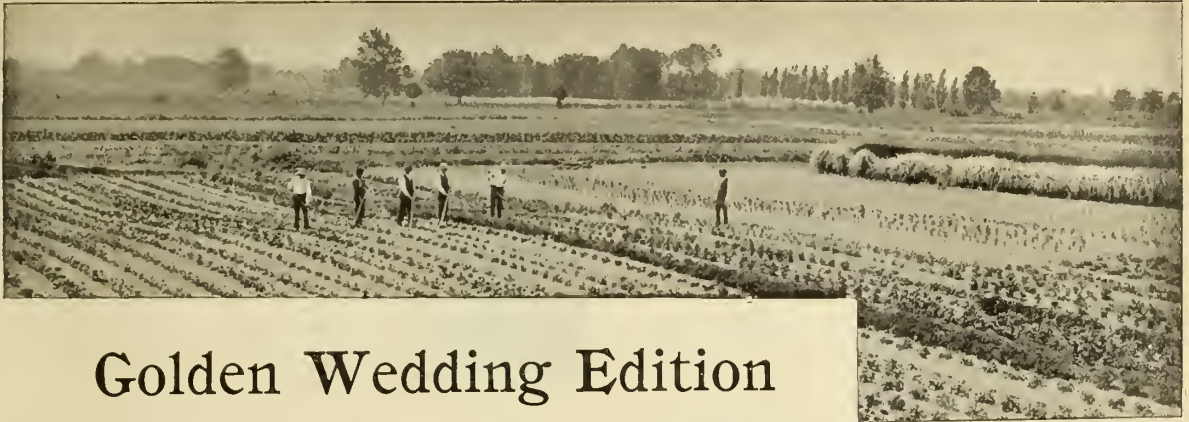
**The Expense of forwarding money in either of the above ways we will pay, and the cost may be deducted from the amount forwarded.**

Add 15 cents to individual checks to cover cost of collection. SUMS LESS THAN FIFTY CENTS may be forwarded by mail at our risk without registering. There is no safety in sending silver.

N. B.—We send the FLORAL GUIDE free to all customers of 1898, If any customer fails to receive a GUIDE, please send Postal Card, stating the fact, with name and Post Office.

**VICKS LITTLE GEM CATALOGUE.**—An illustrated descriptive price list of Seeds, Bulbs, Plants, Small Fruits, &c., really a Bijou Edition of Vicks Garden and Floral Guide, mailed Free to any one interested in fine plants or a good garden.

 Don't Forget to Write Your Name, Post Office and State.



# Golden Wedding Edition Vick's Garden and Floral Guide



IT IS with feelings of joy and sorrow that we enter this Anniversary Year. Memories crowd upon us of James Vick, not only the founder of this business, but the beloved and honored father, the tried, true and trusted friend, a playmate of Charles Dickens, the fellow compositor of Horace Greeley, and the first person in this country to import new and rare varieties of seeds from Europe and distribute them to the public. Born at Portsmouth, England, in 1818, and reaching America in 1833, he learned the printer's trade, and was employed in the office of the

famous old *Knickerbocker Magazine*.

He afterwards became interested in agricultural and horticultural publications, and while thus engaged commenced selling seeds and plants.

A vivid picture is recalled of the room, where, as little children, we first assisted in making seed bags and in getting seeds ready for mailing. The seed business being then in its infancy this work was done evenings, and in the morning the infinitesimal mail was carried in a market basket to the post office.

Catalogues extending back forty years are in our possession, and from the very first, including this Golden Wedding Edition, show a steady advance and improvement. They have kept pace with the times. From the start Vick's Garden and Floral Guide has led, others followed; as father Vick used to say, "I am proud to know that my endeavors are worthy of others following."

This edition, which has no equal in elegance, solidity, authority, truthfulness and completeness, shows how well we have continued the work.

Our most valued capital is our reliability; if this becomes impaired our business is ruined, hence, for fifty years we have sent out only seeds that we knew stood the highest test for vitality and purity. To better accomplish this end we have devoted twelve acres of our farm at Despatch to "trial grounds," where samples of all flowers and vegetables are planted. An accurate account is kept of date of sowing, time of flowering, fruiting and final results; by these careful tests the quality of stocks is maintained and our customers receive only the best. Here are also grown Dahlias, Verbenas, Gladioli, Lilies, Asters, Phlox, Small Fruits, etc., as will be seen in the illustrations.

In last year's Guide we requested those who bought of us over twenty-five years ago to give the date of their first order, thinking there would be but a few; that their names could be printed in the Golden Wedding Edition. Instead of hundreds there were nearly 10,000 congratulatory letters from those who had purchased annually for 25 years, some reaching back 50 years, which precludes the possibility of carrying out our original

intention and allows only the names and photographs of those whose orders were received in 1848. We desire to acknowledge these letters with sincere gratitude and wish it were possible to quote from each; space forbids. We can only glean a few grains from the golden harvest of thoughts and kind words.

Our extreme modesty has prevented us from attaching our name to every new introduction and we hesitate now about telling what we have done. Still we know that many of our friends would like to

learn of the worthy articles introduced by our house; these are nearly all standards today, proving the statement so often made in the past that we do not offer our friends every so-called novelty that is placed on the market but use every means first to ascertain its merit. In 1856 we were the first to offer



Mrs. Geo. W. Gardner  
Jefferson Co., N. Y.



Mrs. Selina Peacock,  
Newton Co., Ind.



Mail Ready for  
Post Office.

Early Paris Cauliflower, Short Horn Carrot, Rose Winter and Early Oval Radish, and Round Madeira Onion. Later we introduced the following, many of them originating on our grounds:

- Amaranthus, Sunrise.
- Aster, Vick's Branching, Daybreak, Purity.
- Abutilon, Sensation.
- Anemone, Double, Whirlwind.
- Japan Cockscomb.
- Canna, Brilliant, Goldfinch.
- Chrysanthemum, George S. Conover, Clara Goodman, Golden Mound, Purple Gem, Gaiety, Conspicua, Defiance, Unique, Fascinator.

- Carnation, Nellie Lewis, Laura Vick.
- Dahlia, Ethel Vick, James Vick, Purpurea Superba, Walter Weir, Emperor.
- Fuchsia, White Phenomenal, Gigantea.
- Gladiolus, Branette, Bryant, Holmes, Longfellow, Rainbow, David Copperfield, Charlotte Cushman, Dr. Warder, Innocence, Lowell, Henry Clay.

- Geranium, Cinderella, Donald McNaughton, Dictator, Neptune, Sir Harry, Streak of Luck, Jupiter, Meteor, Flag of Truce, James Vick, Mary Anderson, Queen of Roses, Maiden's Blush, Magenta Queen,

- Pink Gem, Silver Jewel, Eugenie, Sensation, Sunshine, Triumph, Victory, Firefly, Perfection, Little Fireball, Crimson Gem, Ball of Fire, Ruby, Phil. Heile.

- Hibiscus, Sunset.
- Ipomen, Sinuata.
- Phlox Drummondii, Double White, Violet Queen, Carmine Queen, Vicks' Beauty.
- Petunia, Vicks' Fringed.
- Rose, Caprice.
- Double Zinnia.

- Beans, Wax or Butter, Prolific German Wax., New Prolific Pickler.
- Cabbage, Winningstadt, Danish Ballhead.
- Cauliflower, Vicks' Ideal.
- Cucumber, Cleveland Pickling.
- Sweet Corn, Early Minnesota, Russells' Prolific.



*Pile of Old Envelopes.*



*Field of Asters.*

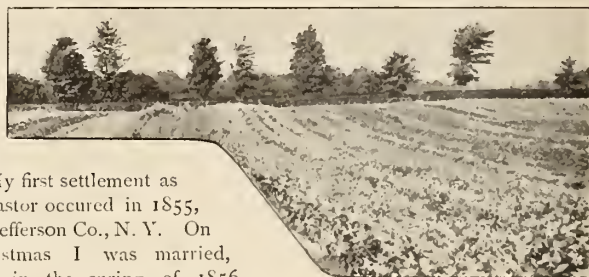


*A Visit to the Verbena Bed.*



*Mrs. Irene Knapp, Potter Co., Pa.*

- Lettuce, Premium Cabbage, Grand Rapids, Early Egg.
- Melon, Musk, Irondequoit, Prolific Nutmeg.
- Melon, Water, Vicks' Early.
- Oat, American Banner.
- Pea, Charmer, King of the Dwarfs.
- Potato, Davis Seedling, Ohio Jr., Champion, Perfection, White Superior, Rochester Favorite, White Gem, American Wonder, Chicago Market, Boston Market, Extra Early, Prize, Early Market, Maggie Murphy.
- Radish, Scarlet Globe, All Seasons.
- Squash, Hubbard, Perfect Gem.
- Tomato, Criterion, Hathaways' Excelsior, McCollums' Hybrid.



*Lilies and Asters.*

My first settlement as a pastor occurred in 1855, in Jefferson Co., N. Y. On Christmas I was married, and in the spring of 1856 made my first garden. My Newspaper was the *New York Tribune*, and if my memory is faithful, I read in that paper a reference to James Vick as offering for sale by mail, flower seeds. The catalogue as I recall it, was a very simple affair, of a few pages without a cover. My first flower seeds were ordered from that catalogue, a very few indeed, but the expenditure seemed to me at that time extravagant. From that time my love of gardening has grown until now the garden is my hobby. Flowers have competed with vegetables for space, gaining ground each year. A continuous reading of James Vicks' ever growing and improving catalogue, together with the satisfaction given by your father's business promptitude, accuracy, and enthusiasm, created on my part a tie of admiring affection. In looking over the past 43 years, I cannot recall an instance of a deception practised on me by the Vicks.

Very truly yours,

W. P. DECKER,  
Pastor 1st Baptist Church.

*Fabius, N. Y., Nov. 8, 1898.*



*Mrs. Esther P. Stone, Worcester Co., Mass.*

1849



1899



Nearly every cottage in England is covered with vines and the gardens filled with blooming plants and rare vegetables, while here in America, where land is so cheap, only a few think of these things.

Everyone should try something new each year and see how their interest will increase; a vine that climbs differently from the one watched last season, a plant flowering at a different hour of the day, some new vegetable or fruit that will come on to the table fresh and crisp; or, in that bad-looking corner, place a plant that will cheer and encourage you in your work. The moods of plants and flowers are as varied as those of the children who brighten the home, and as you work in and among them, you will feel that they are a part of the family life and as necessary to your happiness as are the boys and girls we call the household treasures.

During this Golden Wedding year of the Vick Seed House we would be glad to receive an order (no matter how small) from each and every person who has patronized us in past years, thus assuring the sons of continued friendship and confidence. The stocks we now have are the best in the world, the prices are as low as it is possible to buy good goods anywhere, and are delivered at your door free of transportation (excepting a few cases mentioned). No doubt our New Departure in Vegetable Seeds will be a great assistance to our many patrons.

Estimating the benefits of the many hundreds of thousands of readers of the annual Guide, as it has appeared during all these long years, by the benefit I have received from it, I am free to say that I believe to James Vick, as the originator of the idea of issuing such a publication for distribution among the masses, much honor should be accorded, and to his sons, successors in his business, praise should be given for the satisfactory manner in which his life work has been continued by them.

Delhi, N. Y.

E. J. BROWNELL.

Allow me as a student and lover of plants to congratulate you on your fifty years of honorable and successful business in their cultivation and distribution; especially on the character of your publications, which have been of educational value, in science as well as in taste, since my early recollections of your honored father's delightful magazine work more than 30 years ago. Since then I have been a careful observer, I



1849. . .

. . . 1899.

Fields Showing Phlox in Foreground.

might almost say student of your Magazines and Guides, which have seldom failed to give interesting hints as to botanical forms and variations as well as to the progress and possibilities of horticulture. Allow me to thank you, too late, for the pleasure of the visit to your gardens on occasion of the Rochester meeting of the American Microscopical Society in 1884—being then a past-president of the society—which visit was one of the gratifying events of the memorable meeting.

Very sincerely yours.

R. H. WARD.

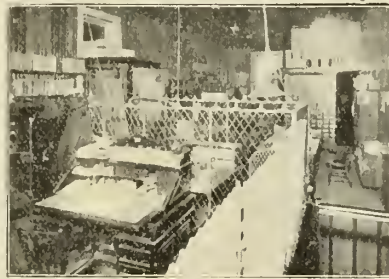
Troy, N. Y.

(Formerly Professor of Botany in the Rensselaer Polytechnic Institute).

Our first introduction to Mr. Vick was early in the '60s, if not before, by the arrival of a large package of seeds and a catalogue. In all the years since then, scarcely a season has passed that some member of the family has not bought either seeds or plants, and everything has always been as represented. We have roses and peonies now growing in our yard that came years ago. I can offer no better sentiment for your Golden Wedding than this: May you follow in the footsteps of your honored father.

Oneonta, Ky.

A. E.



Our Counting Room.

When the last issue of Vicks' Guide reached me I was delighted. My mind went back to the first one I received about 30 years ago. That modest issue would be far outshone by this, but I recognize a relationship; as if one saw in the beautiful, cultured woman, something of the child known years before. I remarked to my daughter, (referring to several catalogues on the reading table), others may publish more gorgeous books, but Vick always takes the lead in elegance and daintiness. When I married years ago, our itinerant home was gladdened by Vick's catalogue, and was our guide in all things it treated of. Two or three times we were led to send to some other house for something purporting to be much cheaper or some wonderful novelty. Usually, however, such things did not prove to be a success, and so my husband said, "We will return to our first love," and gladly we did. Indeed people said we swore by Vick.

Bradford Co., Pa. July 5, 1898. MRS. LUTHER PECK.



Retail and Order Filling Department.

I received your beautiful catalogue and find request to hear from your old customers. There are probably few living who remember the writings of your honored father in the old *Genesee Farmer*, published half a century ago. I have bound volumes of this same *Genesee Farmer*, taken by my father fifty

years ago, when I was a girl at home, and will enclose a clipping, which is the earliest advertisement I find with his name attached. I was a passionate lover of flowers and my good indulgent father gave me all the ground to grow them on that I would keep free from weeds (weeds were his abomination). So I eagerly read all your father's writings on flowers and when he sent out seeds and plants I purchased of him as the best to be obtained. I rejoice today more than I can tell in the artistic beauty and up-to-date things which your catalogue for 1898 contains, and which reveals so plainly that James Vick's Sons have stepped into the very front rank among the many florists of the present day, and are truly following in the footsteps of their illustrious father. Though journeying the down hill of life, my love of flowers has never waned, and while writing this the winged fragrance of Easter lilies and hyacinths pervades all my rooms.

Truly your friend,

MRS. G. W. GARDENER.

Jefferson Co., N. Y., Feb. 18, 1898.

Your catalogue for this year surpasses all others, and I note that it grows better with each successive year, till I am constrained to exclaim in wonder, what can the next one be, this is so beautiful. Yet I know full well that you will have some delightful surprise in store for your customers every year. My mind runs back to the earliest of the Guides, published by your late father, and note the great change. In 1848 or 1849 I took my aunt to see the plants growing in my garden from seeds purchased of the late Mr. Vick. Compliments and congratulations for your success in carrying on the work, and in improving it from year to year.

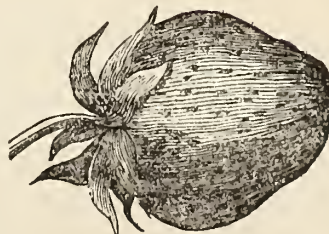
MRS. ESTHER P. STONE.



Wm. Robinson, M. D.,  
Cook Co., Ill.

Worcester Co., Mass.

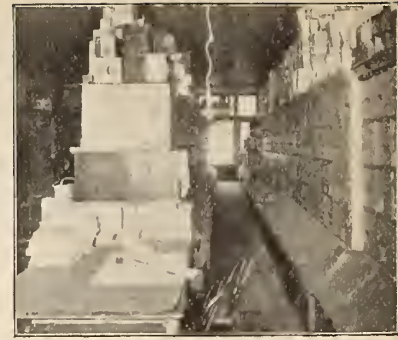
It gives me much pleasure to congratulate you on your fiftieth anniversary, especially as I knew the firm at the very first. Soon after coming to this country we made the acquaintance, in Utica, N. Y., in 1848, of Mr. James Vick, who was an enthusiast on flowers, and my husband being interested in their culture, a warm friendship sprang up that lasted until their decease. They had many mutual friends in England, notably, Charles Dickens. On learning from Mr. Vick



**Hovey's Seedling Strawberry.**

PLANTS of this SUPERB STRAWBERRY may be had on reasonable terms, on application to the subscriber, at the office of the *Genesee Farmer*, or to JAMES H. WATTS, corner of Buffalo and Exchange-streets.  
April 7, 1848.

JAMES VICK, Jr.



Packing Department.

that he contemplated engaging in the flower business we gave him what must have been one of his first orders, and, with one or two exceptions, have given you an order every year since. Wishing you increased success, I am

MRS. JOHN PEACOCK.  
Newton Co., Ind., May 14, 1898.

I can remember selecting seeds from your catalogue 32 years ago. When about fifteen years of age, I was as proud as a peacock at winning a first prize for flowers and also cabbages and squash from seeds brought from James Vick, and exhibited at the Huron Fair, Clinton, Ontario. Allow me to congratulate you in the position your house has always held for good goods and honorable dealings, and wishing you many years of prosperity, I remain,  
Yours truly,  
Toronto, April 7, 1898.

A. Y. SCOTT.

**A Pioneer's Recollection.**

Well, wife, here's Vick's old Guide again

We've had nigh fifty year,  
And as I see its honest face

I can't keep back a tear;  
It takes me back to olden days

When you were young, my dear.

There was the cabin in the wood

Where first we started life,  
With neighbors far, and dangers near,

And all was toil and strife;  
How homesick you became to see  
Your girlhood's home, my wife.

The wildwood flowers were sweet, you said

You loved them one and all;  
Yet, for the garden flowers at home

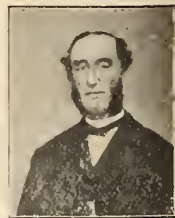
Your tears would often fall;  
But when you saw Vick's posy book,  
Then, that has changed it all.

Our home's a palace now, compared,  
Set round with bush and tree,

And bright hued flowers and grassy sward  
Are something fine to see;

You'll join me when I say: I know  
'Tis all a *victory*.

—DAME DURDEN.



Mr. H. C. Bettes,  
Jackson Co., Mo.

Plant blessings and blessings will bloom;  
Plant hate and hate will grow;  
You can sow today, tomorrow shall bring  
The blossoms that prove what sort of a  
thing  
Is the seed; the seed that you sow.



## Asparagus Sprengeri.

**Asparagus Sprengeri.** This is one of the most beautiful plants for decorative purposes yet introduced. Its beautiful green fern-like fronds grow several feet in length, and when cut they retain their form and color for many days, hence it is invaluable for trimming, festoons, etc. As a pot or basket plant for the house it has no superior, as it bears the indoor temperature well. It is a rapid grower. (See illustration below). Price each, 25 cents; two for 40 cents; large slow plants, express not paid, \$1.00 each.

## Climbing Lace Fern.

**Asparagus Plumosus Nanus.** A beautiful climbing plant, fine graceful dark green leaves. Splendid for decorative purposes, retaining its color and freshness for a long time after cutting. Price each, 25 cents; two for 40 cents; or one each Sprengeri and Plumosus Nanus 40 cents.



ASPARAGUS SPRENGERI.

## Ampelopsis Veitchii.

**Ampelopsis**, commonly called Boston or Japanese Ivy, will be found on page 58. In the body of the catalogue will also be found many new and worthy varieties of Flowers, Vegetables, Small Fruits, etc., in their several departments.

The index on inside of cover will be of great assistance in finding what may be wanted.



ABUTILON SAVITZII

## The White-leaved Abutilon

**Savitzii.** A most ornamental house or bedding plant. Strong, compact grower. Its leaves are variegated with green and white; more than half the leaf being white and in some cases the leaves are almost pure white—not a yellowish green, but a pure clear white. Of great value for decorating with Palms, Dracena or for border of Caladium bed. We can not recommend it too highly. Price each, 25 cents; two for 40 cents.

## Abutilon, Mrs. Laing.

This is another pretty variety, very suitable as a companion to the White Leaved Savitzii, foliage forming a charming contrast to the large globe like flowers which are of a pure rose color, and elegantly veined; it is a free bloomer. Price each, 25 cents; two for 40 cents.

See also page 67

# ASTER, DAYBREAK

LADIES FAVORITE  
EARLY FLOWERING

The Daybreak Aster, introduced by us two years ago, is one of the most beautiful of the Aster family. We have expended a great deal of thought and care, as well as money, in perfecting and introducing new varieties of Asters, and this Daybreak we consider one of the best. For florists' use

It is unsurpassed and brings a high price in the market. Flowers are round as a ball, and very large. Color a beautiful sea-shell pink, resembling the Daybreak Carnation.

Plant, compact, strong grower.

Stems long, fine for cutting.

Flowers very early.

Price per packet 15 cents; two for 25 cents.

**Purity.** Daybreak's Sister.

A sport from Daybreak and identical in shape and habit.

Offered this season for the first time.

Flowers, large, pure white and without doubt the finest early flowering white Aster. Don't fail to plant at least one packet of seed. You will not regret it.

The illustration of the plant was photographed in the field where our seed was grown.

A novelty of sterling merit, one we heartily recommend to both florist and amateur; flowers very early.

Price per packet 25 cents.



PURITY,  
DAYBREAK'S  
SISTER.



THE BEST EARLY WHITE ASTER.



LEADING ASTER

VICK'S BRANCHING  
LATE FLOWERING. 7.



Never before has any flower become such a general favorite in so short a time as the Branching Aster.

It is as well known in Europe as in America, and although we placed it on the market only six years ago, today every florist has a fine stock of the flowers in his window just before the chrysanthemum comes in; and it is often mistaken for the chrysanthemum, which it so much resembles. Our customers write us "*They gathered immense armloads of flowers,*" "*Magnificent,*" "*The finest I ever saw!*" and hundreds of other enthusiastic exclamations.

Flowers of extraordinary size—much larger than other varieties,—standing erect on long, graceful stems well above the foliage; flower stems 15 to 20 inches long. Immense blooming qualities; it will require an expert to tell them from chrysanthemums. Blooms after other Asters are fading and when other garden flowers are gone.

**Grand for Cutting.**

Plants extra large and of strong growth; one plant will cover a space two and a half feet square. After other varieties have gone to seed, Vick's Branching is in its glory.

**By far the most satisfactory Aster grown.**

Snowy white, pink, crimson, purple, rose striped, each 10 cts. per packet or one packet of each of the five colors for 40 cts.

All colors mixed, per packet 10 cts.



BEST LATE FLOWERING ASTER.



# HOME FAVORITES

## ORNAMENTAL BEGONIAS.

**The Mystery.** This charming variety belongs to the Rex class, but is entirely distinct from all other sorts, on account of the singular formation of the leaves, which wind in spiral-like form as shown in the engraving. The foliage is a rich dark red, with silvery outer edge. It is a plant of marvelous beauty.

**Bertha McGregor.** A free, strong-growing sort, producing foliage in abundance. The leaf is bright silver with outer edge bronze.

**Countess Louise Erdody.** A handsome spiral twisted leaf, center silver; quite similar in form to The Mystery.

**Louise Closson.** Center of leaf deep bronze with broad band of silvery rose, edge bronze; one of the most beautiful of the Rex Begonias.

**Mrs. A. G. Lepard.** A most beautiful large leaf of olive green with broad silver band.

**Mrs. E. Bonner.** Ground color of a delicate pea green, with silver zone.

**Revolution.** A very striking new variety of free growth, with a pronounced double whirl in the leaf, one above the other. The leaf is bronze green with silver zone.

**Richmond Beauty.** Dark center surrounded by a broad band of silver; edge of leaf dotted green and silver.

**White Water.** Body of leaf bright green, with silver dots and splashes.

*Each 25 cents; three 60 cents; six \$1.00;  
the set of 9 for \$1.50.*



WONDERFUL CORKSCREW BEGONIA  
THE MYSTERY.

### TUBEROUS BEGONIAS.

WORTHY OF MORE ATTENTION  
GROWING IN FAVOR EVERY YEAR

One of the most interesting and satisfactory plants for summer blooming. The foliage is of itself sufficient to warrant keeping the plants, as the leaves are of beautiful form, texture and color. Flowers are brilliant, very large, handsomely formed, and expand so as to make a fine display of color, blooming freely all through the summer. Plants are easily raised and require but little attention, but will succeed best if placed in a partially shaded location, either in the house or out of doors.



After the blooming season is over the tubers are dried and either left in the pots or placed in dry sand and kept until the spring, to be started again. Start plants from February to April. Many of our friends who planted them last year have written expressing their surprise and admiration at the great beauty of these plants. Double white, red, rose and yellow, each 30 cts.; set of four \$1.00; dozen \$2.75. Single white, red rose and yellow, each 15 cents; set of four 40 cents; dozen \$1.00. See page 68.

# CANNAS

LATEST AND BEST.

## FLOWERS RESEMBLING ORCHIDS.

**Alemannia.** These gigantic flowers are the largest grown on Cannas. They are a fine yellow beautifully mottled with orange scarlet. On the inside of blooms the color is nearly a scarlet, sometimes reaching to edge of the petal. Outside of the petal is yellow. Height of plant about five feet. Each, 25 cents.

**Austria.** Flowers very large, spreading about seven inches. Color canary yellow, much resembling the Burbank. Foliage large and handsome. About four feet high. Each, 15 cents.

**Italla.** Flowers of enormous size, spreading seven inches. The center of flower is a brilliant red with a wide irregular band of clear yellow on outer edge. Its handsome foliage is deep green bordered with white. About three feet high. Each, 15 cents.

*Austria and Italla, one each, for 25 cents.*

### SIX GRAND SORTS.

**Hortense Barbereau.** One of the best reds. Immense trusses of large bright red flowers. Foliage green. Every Canna lover should try at least one plant of this beautiful variety. About three and one-half feet high. Each 20 cents.

**Mrs. Fairman Rogers.** An improved Madame Crozy. Very prolific in producing its beautiful flowers. Has numerous large trusses of brilliant red flowers with a narrow border of golden yellow. Height three feet. Each, 20 cents.

**Mademoiselle Berat.** A decided novelty and the nearest approach to a pink Canna yet introduced. A soft shade of rosy carmine. Four feet high. Each, 20 cents.

**Robert Christy.** Exceptionally free in bloom with large bold trusses of brilliant orange scarlet flowers. Decidedly one of the very best Cannas of recent introduction. Height four and one-half feet. Each, 25 cents.

**Souvenir D'Antoine Crozy.** A strong vigorous plant about three feet high. Flowers large, intense scarlet crimson, with broad golden yellow border. Very handsome and dazzling. Enjoys the hottest sun. Each, 20 cents.

**Yellow Crozy.** Flowers a clear canary yellow with very few faint red spots on small petal. Enjoys the sun and on account of its fine substance the flowers do not fade. Foliage green. Height three feet. Each, 30 cents.

*This set of six Grand Cannas for only \$1.00.*

### THE MOST POPULAR DOZEN.

**Alphonse Bouvier.** On first opening, the flowers are intense brilliant crimson, but change to a beautiful deep crimson as they more fully expand and produce spikes of enormous flowers in wonderful profusion. Five feet.

**Chas. Henderson.** Height four feet. Color brilliant deep crimson. Broad deep green foliage narrowly margined with bronze. Vigorous, healthy grower.

**Chicago.** A rich pleasing shade of red. One of the best. Four feet high.

**Egandale.** Four feet high. Purple foliage. Strong, compact flower spikes. Color currant red.

**Eldorado.** Height three feet. Color clear lemon yellow lightly spotted with orange, the general effect in the distance being that of a pure yellow. Large individual floret with broad petals. Round full truss. Broad light green foliage, narrowly margined with white. Exceptionally free bloomer.

**Explorateur Crampel.** Five feet high. Very strong. Foliage medium green color. Flower as large as Bouvier. Color clear vermilion, scarlet tinted, with minute blood crimson spots distributed evenly over the petals. Flower spikes large.

**Florence Vaughan.** Flowers well opened and of the most brilliant golden yellow, dotted with brightest scarlet, and are produced in continuous succession. Four feet high.

**J. D. Cabos.** Height four feet. Color of flower light orange. Good sized trusses, borne fairly well above the foliage. One of the freest bloomers that we have among bronze Cannas. Foliage deep bronze purple. A valuable sort.

**Madame Crozy.** The plants commence to bloom when scarcely a foot in height and the massive spikes of flowers continue forming as the new shoots appear, until the plant reaches its natural height, which is about four feet; it is then crowned with a blazing array of beautiful crimson-scarlet and gold-bordered flowers. The foliage is bright green, broad and massive. The beauty of the flowers is greatly enhanced by their delicate markings.

**Mrs. Sarah Hill.** Foliage green; flowers very large, carmine crimson. Four feet high.

**Paul Marquant.** A showy variety with large handsome flowers of a bright salmon-scarlet, shading to rosy carmine, a novel and pleasing shade. Foliage dark green. Four feet high.

**Queen Charlotte.** Plant grows strong and compact, with green foliage. Flowers are large with broad petals. Color is very striking and in the bright sunlight is quite dazzling. The center of the petal is a brilliant crimson-scarlet, shaded off with crimson and bordered with a wide belt of gold. Three feet high.

*Each 15 cents. The set of twelve for \$1.50. See page 70.*



# CHRYSANTHEMUMS

## AUTUMN GLORY.

A grand pink variety. There is nothing like it in color, deep reddish salmon upon opening, and gradually changing to a soft shrimp pink. There is no trace of lavender in the color. It is a decided and new shade; very beautiful.

## BOUNDLESS SNOW.

White, flushed with pink, changing gradually to pure white.

## BELLE OF CASTLEWOOD.

A rich shell pink with broad petals; a most distinct and pleasing shade of the Japanese type with large-sized flowers, solidly set on a grand stem, and good foliage.

## DOROTHY SPAULDING.

Very large, massive flowers, dark rose pink, shade of Maud Dean, valuable for its size and color.

## FRANK HARDY.

Flowers creamy white, on strong stems and of the largest size, of Japanese type; one of the best whites, and has won many honors at the leading exhibitions. A good keeper.

## GOLDEN TROPHY.

The best early yellow, a dwarf grower, foliage beautiful; flowers compact and crowded with petals, incurving into a complete golden ball.

## J. H. WOODFORD.

A beautiful large, shell pink flower, globular, with heavy, broad, incurving petals, strong stem and fine foliage; early.

## LEONIDAS.

Flower amaranth, with maroon shade; very distinct; valuable.

## MERULA.

A dwarf semi-early; a beautiful shade of light pink, very double; flowers five inches in diameter.

## SUNDEW.

Extra fine, large, sun-colored bronze of great substance; petals heavy, broad and firm, cupped and incurved, making a full center; stem long, with foliage right up to flower.

## WESTERN KING.

An incurved flower, with outer petals slightly reflecting, pure; white stem and foliage excellent.

## YELLOW FELLOW.

A large graceful bloom of bright yellow; a very fine variety.

*Price 20 cents each; the set of twelve for \$2.00.*

See page 69.



*NEW CARNATIONS.*

**Carnation, Flora Hill.** The grandest white variety. Flowers of enormous size and rounded build, wonderfully free flowering, probably the most prolific in the Carnation family. Stem long and strong.

**Genesec.** Pure white, of large size, good form, an extra free early and continuous bloomer; good habit and strong grower.

**Psyche.** Flowers white flaked scarlet, of extra size, but not crowded with petals. Long stiff stem, bearing a great number of flowers to each plant.

**Red Jacket.** Most decidedly the best red Carnation; a strong, robust grower and a prolific and continuous bloomer. The color is an intensely brilliant scarlet. Flowers very large, with beautifully fringed petals.

**Yellow Jacket.** Flowers medium size, of clear, yellow color, lightly penciled with red. The best yellow we have found.

*Each 20 cents; set of five for 75 cents.*

RED JACKET.

JAPAN CEDAR.



**CLEMATIS MAD. EDOUARD ANDRE**

Single Crimson Clematis. This is a valuable variety of a distinctly new color. It is a fine bright crimson with no purplish shading about it. The flowers are of good size and borne so profusely that it has been called the crimson Jackmanni. Plants 50 cents each.

**JAPAN CEDAR--Cryptomeria Japonica.**

As handsome as the Norfolk Island Pine (Auracaria Excelsa) and has the advantage of succeeding well in the trying atmosphere of living rooms. A dainty jardiniere plant for the center of the dining table or a window garden. Grows rapidly and thriftily, reaching one and one-half to two feet in height the second year. The Japan Cedar is a very valuable substitute for the more delicate and high-priced Auracaria. With a fair allowance of light, ordinary care and attention, the Japan Cedar can be grown luxuriantly in every home, and as it can be propagated with much greater ease the cost of the young plants is very much less than Auracaria. It is a plant which we can heartily recommend as sure to give satisfaction to all. Each 50 cents.

# A NOVELTY OF STERLING MERIT

## BEAUTIFUL YELLOW CALLA

### RICHARDIA ELLIOTIANA.

This plant, like the common White Calla, is a native of Africa. After several years' work in raising a small stock of it, we are able now to offer a limited number of *Richardia Elliotiana* to our customers. This plant in mode of growth is quite like the African or Egyptian Calla, but its leaves are marked with pure, white spots; the flowers are nearly as large as *R. Africana* but more urn-shape, and the color is a rich canary yellow. Every one will be pleased to see this beautiful and rare flower.

Its usual blooming time is late in the spring, and the culture of the plant very much the same as the white Calla. Each \$1.00. See page 71.

## CACTUS DAHLIAS

Our colored plate of Cactus Dahlias last year made a large demand on our resources, and later in the season the letters of high commendation and praise from our customers in regard to them were such that we take great pleasure in once more placing before our friends a

### BEAUTY COLLECTION

from the same class of thoroughly tested plants, and we feel sure the tubers we now offer will be equally satisfactory.

They will make an addition to the Dahlia bed that will be highly appreciated and admired.

**Iridescent.** The flowers of this new variety are of a silken texture, iridescent or changeable in color as they sway in the sunlight; the ground is orange red, edged with bluish crimson. Each 30 cents.

**Kynerith.** A clear dazzling red, of fine form. Each 25 cents.

**Miss Bennett.** Flowers are of a rich, glistening salmon; very choice. Each 25 cents.

**Maid of Kent.** A very peculiar color, the petals being white and crimson shading into deep maroon; some of them are all white, others only in part, while still others are almost entirely crimson maroon. Each 20 cents.

**Grand Duke Alexis.** A superb flower, petals large, incurved, white, faintly tipped with mauve pink. Each 25 cents.

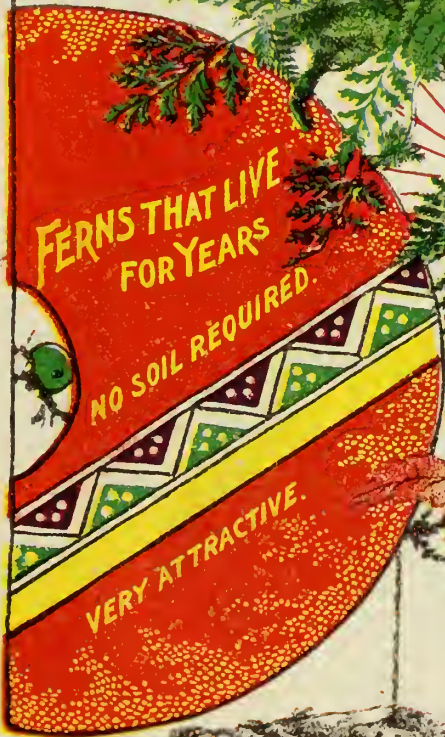
**William Pierce.** Flowers a deep butter yellow and of good substance. Each 20 cents.

The Collection, six beautiful Dahlias, postage or expressage paid, \$1.00. See page 72.





FERN BALL  
IN FULL FOLIAGE.



JAPANESE NOVELTY.  
WONDERFUL FERN BALL.

This novelty from Japan we take great pleasure in introducing as one of the most satisfactory house ferns ever offered.

The writer started one last January and its beautiful leaves and color attracted the attention of all who saw it until August, when it was placed in the cellar to rest. The center is moss, covered with fern roots in a very ingenious manner, looking like a ball of small roots twisted together.

After watering they start into life and in a short time are covered with a mass of beautiful green foliage. If desired they may be allowed to dry up, which is very convenient when a person goes on a summer vacation. They may be started again by simply watering as before. When growing they should be watered two or three times each week. If desired they may be cut in halves and placed in a fern dish. Each 75 cts.; two \$1.25.

FERN BALL

BEFORE WATERING OR DORMANT,  
SIZE 6 TO 10 INCHES IN DIAMETER.

# NEW VARIETIES OF FUCHSIAS

CHOICE SELECTIONS FROM  
LEMOINES HYBRIDS.



Price of plants, 50 cents each.

**Mary.** This is a new Fuchsia of the Triphylla type, originating in France, and a decided novelty; the plant is a profuse bloomer, the drooping flowers, over two inches long, are a brilliant crimson scarlet, and stand out prominently against the plain dark green foliage. Altogether it is a very unique plant, and a fine addition to the window garden or conservatory. See page 74.

**Victor Hugo.** Strong-growing plant. Flowers very large, double, the sepals or outer divisions large, crimson or blood red; the inner, or petals a violet purple marbled with red. Very handsome.



## DWARF-GROWING PLANTS.

The two following varieties are hybrids of Fuchsia Myrtifolia. Of these hybrids the originator says: "In crossing Fuchsia Myrtifolia with some of the beautiful varieties in the trade we have obtained handsome little bushy plants covered with flowers all summer; taken into the house they will bloom there a great part of the winter.

**Bouquet.** Bushy plant producing a prodigious number of good sized flowers of beautiful form, with sepals a clear coral color and reflexed in form of a half circle, and a blue corolla.

**Miniature.** Plant quite dwarf; flowers small, sepals a vinous red, corolla violet, and of elegant form.

This fern has been a favorite in Boston for many years. The fronds on a well-cared for plant will measure 4 feet falling gracefully over on every side, and for this

reason it has sometimes been called the Fountain Fern. Excellent for pot on standard, or hanging in window or on piazza in summer. Each 25 cents. Extra large size by express, not prepaid, 75 cents. See page 74.

## NEW GERANIUMS.

### SINGLE VARIETIES.

Price 25 cents each.

**Chateaubriand.** Umbels erect, large; flowers large; color crimson scarlet with blackish veins on the superior petals. A new and beautiful French variety. A strong, healthy grower.

**Columbia.** A splendid Geranium, light scarlet, of dazzling brightness; two upper petals white shading to scarlet on the edges. Extremely showy and valuable on account of its bedding qualities.

**Camille Bernardin.** Very large truss; individual florets large and well formed; plant of excellent growth. Color rosy peach veined with bright rose, streaked and marbled with pure white. See page 75.

### DOUBLE VARIETIES.

Price 20 cents each.

**Alphonse Ricard.** A strong grower, dwarf, and producing flowers in great masses. Both floret and truss are of enormous size; slightly double. Color a brilliant shade of orange red.

**Eulalie.** Bright salmon a beautiful and well-formed flower and a distinct advance upon any previous introduction in this color.

**Francois Marquard.** Clear crimson, maroon marked fiery red at base of the upper petals; large flower and truss; a grand varieties.

### DOUBLE SCARLET IVY LEAF.

**M. Dybouski.** Very large semi-double flowers of intense scarlet color. A fine variety for pot culture. Price 25 cents each.

## GOLDEN DAY LILY - *HEMEROCALLIS AURANTIACA MAJOR*.

THIS SINGLE STEM HAD 10 BUDS, ALL OF WHICH OPENED SUCCESSIVELY.

One of our finest hardy herbaceous plants. The habit of the plant is very vigorous; the foliage rises to a height of two feet, and is of a deep green; the flower spikes are strong, flowers very large, some seven to eight inches across, of a rich orange yellow, quite distinct. The plant is perfectly hardy. The colors in this illustration do not do justice to the flower. Each 40c, two for 70c.

## INCARVILLEA DELAVAYI

Perennial, but will flower the first season if seeds sown very early in the cold frame or house. This is a fine decorative plant; the pyramidal mass of deep green, fern-like foliage is very effective, and each of the upright stems, about three feet high, bears several rosy carmine campanulate flowers, with yellow spots; the throat is deep chocolate brown. Per packet, 25 cents.

### INCARVILLEA VARIABILIS.

New and rare shrubby perennial. Flowers pink, one inch in diameter. When sown early will flower first season. Blooms from early in the season until frost. Per packet, 25 cents.

### LANTANAS.

#### New French Ever-Blooming.

**Lantanas, A. Cleveau**, very dwarf and of bushy, spreading habit, covered with flowers of silvery rose; center of soft yellow; a beautiful contrast.

**Amiel**, semi-dwarf, very compact, free blooming; umbel and floret of large size; color orange-red with yellow center.

**Ciceron**, dwarf, good bedder, very free in flower; bright gold passing to coppery-orange.

**Corbeille d'Argent**, very dwarf, free grower and an abundant bloomer; pure white—a gem among white bedders.

**Jacques Minot**, yellow, changing to bright orange red; very prolific in bloom and a grand bedder. Each 20 cents; the set for 75 cents.

#### New Weeping.

This Lantana is a fine plant of graceful, drooping habit, producing flowers at each leaf. The flowers are a brilliant rosy lilac, and literally cover the whole plant. One of the best plants for hanging baskets. Each, 15 cents.

(See also page 77.)



## LOTUS DELIORHYNCHUS

FOLIAGE SILVERY GRAY, FLOWERS ORANGE & SCARLET

A most desirable plant for hanging baskets. Leaves small and narrow, of a silvery-gray tint, against which the orange scarlet flowers stand out most conspicuously. The flowers are of a peculiar, lobster-claw shape. Will do well outdoors during summer in a sunny position. Especially fine on a rockery. Plants, each, 30 cents; two for 50 cents.

### HEDYSARUM

#### Multijugum.

#### Mongolian Honeysuckle.

This is an exceedingly handsome flowering shrub introduced from Mongolia. It attains a height of five to six feet, branching from close to the ground and spreading out widely in all directions. The flowers are of a deep violet-red, with a white and yellow spot at the base of petals; borne in racemes 12 to 16 inches long and shaped

like pea blossoms. It is exceedingly floriferous, being completely covered with flowers. It is of very easy cultivation, and its exceeding hardiness will make it a most welcome acquisition to gardens in the severe climate of the northern United States, where many other fine garden plants do not withstand the winters. Price, each, 35 cents; two for 60 cents.



THE CHOICEST LILIES



For grand, distinctive flowers, yielding a liberal bloom, there is nothing so satisfactory and gratifying as a good assortment of Lilies. All Lilies require deep planting and should not be disturbed for several years. In the North it is well, before winter, to cover the ground over and around the bulbs with three or four inches of leaves or straw, or coarse manure, as a winter protection.


Six Magnificent  
Lilies for 80 cents.

- Auratum.
- Lectliinii.
- Krameri.
- Elegans Incomparable.
- Lancifolium Rubrum.
- Japonicum Longiflorum.

One each of the above hardy Lilies for only 80 cents.

	EACH.	DOZ.
Lilium auratum, the magnificent gold banded lily of Japan, freely spotted with crimson red; sweet scented. Extra large bulbs . . .	\$0 20	\$2 00
auratum Macranthum, spotted and striped yellow . . . . .	35	
auratum rubrum vittatum, white, red spots and stripes . . . . .	60	
auratum Witteii, white, yellow striped, no spots . . . . .	60	
Canadense, our native lily, flowers drooping, delicate scarlet, yellow throat, spotted black . . . . .	15	1 25
candidum, common white garden lily, hardy, free bloomer, fragrant, ready Aug. 1st . . . . .	10	1 00
croceum, bright orange, covered with black dots . . . . .	20	2 00
elegans atropurpureum, beautiful dark red . . . . .	20	2 00
elegans, best light red . . . . .	15	1 50
elegans incomparable. Blood red . . . . .	15	1 50
Japonicum longiflorum, white, trumpet-shaped . . . . .	15	1 50
Japonicum longiflorum, variegated foliage, leaves bordered white . . . . .	50	5 00
Krameri, deep rosy pink . . . . .	25	2 50
Lectliinii, canary yellow, spotted red . . . . .	30	3 00
lancifolium (speciosum) rubrum, white and rose, dark crimson spots . . . . .	15	1 50
lancifolium (speciosum) album, white . . . . .	20	2 00
lancifolium (speciosum) meipomene, crimson, blood red spots . . . . .	20	2 00
pardalinum, the best of the Canadense class, yellow and red spotted . . . . .	20	2 00
tenuifolium, foliage slender; bright scarlet . . . . .	25	2 50
tigrinum splendens, Tiger lily . . . . .	10	1 00
tigrinum fl. pl., double Tiger lily . . . . .	15	1 50

For \$1.00 at single rates purchasers may select to amount of \$1.25.  
For \$2.00 at single rates purchasers may select to amount of \$2.50.



# STATELY PALMS

## Most Decorative for the House.

As decorative plants for the house many species of Palms are rarely prized. Those species which will thrive in ordinary heat and with least care are among the handsomest and most desirable of the genus. They will do well at a window where there is little or no direct sunshine. This peculiarity makes these plants adapted to places quite unsuited to ordinary house plants. A regular, but not excessive supply of water and a fair light, are all the plants demand during the cool season. In summer a more liberal watering is required. The soil should be a substantial fibery loam, with a small quantity of well-rotted manure. A daily syringing of the leaves is an advantage, but in winter once a week is sufficient. If kept in a living room with a dry furnace heat, daily syringing or spraying the leaves is advisable. We here offer plants of the handsomest and most reliable species. *First size eighteen to twenty inches high; second size eight to twelve inches high; third size strong young plants from 3-inch pots.*

**Sent only by Express, not prepaid, at these prices.**

**Areca lutescens.** One of the handsomest of all the Palms, desirable in every stage of growth. It is an easy plant to manage and always looks well. Its gracefully recurved and pinnatifid, glossy, green fronds make it a most pleasing object. The trunk and stems become more or less yellow with greenish spots, an added feature of beauty. *First size, \$1.00; second size, 50 cents; third size, 25 cents.*

**Kentia Belmoreana.** Graceful arching leaves, with long terete, shining yellowish-brown petioles; divisions of the leaves, twenty to thirty in number, strap-shaped, deep green color. This Palm will stand a great deal of ill-usage and maintain a good appearance. *First size \$1.00; second size, 75 cents; third size, 35 cents.*

**Kentia Forsteriana.** The beautiful "Thatch Palm," similar to the last but the petioles are a brighter green and the leaf divisions narrower, more delicate and graceful. A handsome Palm for table decoration. *First size, \$1.00; second size, 75 cents; third size, 35 cents.*

**Latania Borbonica** has fan-shaped leaves, split into divisions at the apex, and frequently there are threads hanging between the divisions. A strong vigorous plant, and makes a fine appearance in the window, or in contrast with other plants. *First size, 75 cents; second size, 50 cents; third size, 25 cents.*

**Phoenix reclinata.** A genus of hardy and rapid growing pinnate-leaved Palms, of which there are several species, all of them handsome. When young do not show their true leaves, but they grow so rapidly that they soon develop the divided leaves and form fine specimens. *First size 80 cents; second size, 50 cents; third size, 30 cents.*

**Seaforthia elegans.** The beautiful "Feather Palm" of Queensland, where it is one of the most conspicuous and stately objects in the landscape. The pinnate leaves are a lovely soft light green and most gracefully arched. *First size, 75 cents; second size 50 cents; third size 30 cents.*

On lines of Express of American, National, United States, and Wells, Fargo & Co., east of the Rocky Mountains, we will prepay charges on receipt of 15 cents extra for second and third sizes, and 25 cents for first size. West of the Rocky Mountains the Express charges are double these figures. If wanted by mail at Risk of Purchaser, add 10 cents for second and third sizes, and 20 cents for first size.


## The First to Bloom. Peony Tenifolia Flore Pleno.

We have the pleasure of introducing to our customers this early flowering variety and recommend it to all lovers of this class. Foliage graceful and slender, making a fine contrast when arranged with the double dark crimson flowers, that nearly rival the rose in delicate perfume, perfection of bloom, and brilliancy of color. Blooms earlier than other varieties, making it a real acquisition which should be given a place in every garden. Plant as early as possible in the spring. Each 50 cents; two for 90 cents.

(For complete list of Peonies, see page 65.)



# VICK'S SUPERB GIANT PANSIES.



The largest in size and most beautiful in coloring. This seed is from a carefully selected strain of the largest and finest varieties, and the plants raised from it will often produce flowers measuring from three to four inches across, perfect in shape and of the choicest colors and markings. It is a superb strain. *There is none better*, and the seed is offered in full confidence that the flowers raised from it will give complete satisfaction in the garden or on the exhibition tables. (See page 45)

*Seeds, per packet, 50 cents; two for 75 cents.*

## SWEET

## PEAS

BRIDE OF NIAGARA

This beautiful variety, now so well known, continues to sustain its reputation and its merits are acknowledged by all, both professional and amateur growers. The flowers are very large and many of them have two or three large banners. The banners are a clear, soft pink in color, while the wings and keel are white, a most beautiful combination. One of our correspondents wrote as follows:

It surpasses anything of its color among sweet peas. My plants of the Bride of Niagara were the most profuse bloomers of any sweet peas I ever saw; the six plants I grew the past season furnished me a daily average of sixty-five flower stems, and probably eighty-five per cent. of the stems bore three blooms each. The plants were a sheet of bloom from top to bottom every morning

By actual count seventy-eight per cent of the flowers had two or more rows of petals or banners; many of these had three and a very few four rows. The double flowers were, as a rule, more perfect and symmetrical in their parts than the single ones on the same plant. The largest individual bloom measured was two and five-sixteenths inches and many were two inches in diameter. It would be safe to estimate the average size at least one and one-half inches for the entire season. The first single spray of flowers observed on the Bride was one bearing four blooms, all double, of large size and

most perfect form. I often used the Bride for floral decorations on public occasions, festivals, etc., and the universal comment was "How beautiful! and such large ones, too!" To sum it up, the Bride of Niagara is potent with all the graces ascribed to a sweet pea. A very few stems of double sweet peas fill a vase full as the flowers occupy more space than the single flowers.

Every year more popular.

Two and frequently three beautiful banners on each flower.

Flowers very large and full.  
Keel and wings white.  
Banners a rich pink.

*Packet 5 cts.; ounce 15 cts.; quarter pound 40 cts.; pound \$1.50.*

Collection of

Twelve of the Finest, 40 cents.

Blanche Ferry.	Mrs. Gladstone.
Brilliant Scarlet.	Prima Donna.
Countess of Powis.	Primrose.
Daybreak.	Stanley.
Gray Friar.	Senator.
Mrs. Jos. Chamberlain.	The Bride.

*This set of twelve for only 40 cents.*  
See pages 56 and 57.

# BEAUTIFUL DOUBLE PETUNIAS

Our collection consists of the finest strains, embracing a number of beautiful colors ranging from pure white to pink, lilac, crimson, variegated and mottled.

A well grown plant will cover from two to three feet during the season, yielding an abundance of fragrant flowers, blooming constantly until killed by the frost. Price, plants, each, 20 cents; per dozen, \$2.00.

(See General List, page 46.)

## GOLDEN GLOW

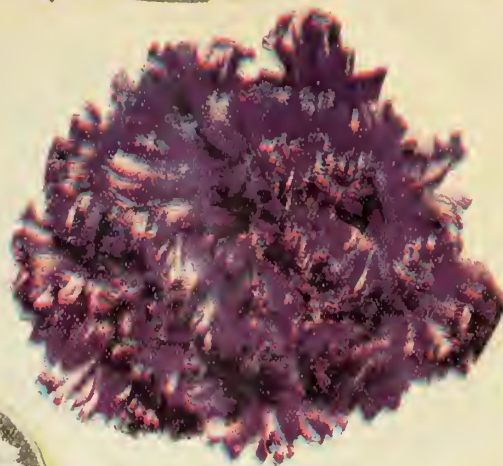
RUDBECKIA LACINIATA FLORE PLENO.



## GOLDEN GLOW.

RUDBECKIA LACINIATA FLORE PLENO.

A beautiful hardy perennial, attaining a height of eight feet, blooming in July, and lasting into September. Flowers double, of a deep golden-yellow, and borne on long stems, making it very suitable for cutting. One of the most effective decorative plants for garden or lawn. At first we were not attracted to the Golden Glow, but after growing it several seasons feel satisfied it is one of our best hardy plants; it is covered with a mass of flowers all summer. Price, each, 20 cents; two for 35 cents.



## NEW HARDY PINK HER MAJESTY.

One of the most valuable introductions of recent years. Valuable as an outdoor plant, equally so for house culture. Strong healthy grower. The foliage is a beautiful metallic shade of bluish green. The plant remains green throughout the winter in open ground. It is perfectly hardy. The flowers are very large, fringed, very double and pure white. The fragrance is delicious, clove-scented and not too powerful. Long stiff stems support the flowers. HER MAJESTY is a rival of the Carnation. Plants, each, 15 cents; two for 25 cents; dozen \$1.50.

## PINK SOUVENIR DE SALE.

Flowers a delicate soft rosy pink, being fully as large as a Carnation; beautifully formed, very double and exceedingly useful for cutting. One of the best Pinks. Each, 20 cents; per dozen, \$2.00.

One each of Her Majesty and Souvenir de Sale for 35 cents.

(See also pages 40 and 64.)

## RUDBECKIA

BICOLOR SUPERBA.

The plant grows about two feet high, forming a many-branched dense bush, and produces its long-stemmed flowers in the greatest abundance. The disk is brown; the ray florets are yellow, with large velvety-brown spots at the base—a coloring which may be compared to that of Obeliscaria Pulcherrima, or that of the dwarf French Marigold, Legion of Honor. Very effective annual, and a very useful plant for cutting. Blooms all summer, increasing in beauty until destroyed by frost. Seeds, per packet, 20 cents.

# DOUBLE NASTURTIUM

CLIMBING TROPAEOLUM.

**Golden Wonder.** A plant that attracted much favorable comment at our green-houses the past season, and is in every way deserving of cultivation. One of the finest plants grown for covering rockeries or trellises. The color is a bright golden yellow with a dash of scarlet in the center of each petal. Flowers perfectly double and borne in great numbers throughout the whole year.

**Sunbeam.** A strong, vigorous climbing vine, resembling the common Nasturtium in habit and foliage. The flowers are one or two inches in diameter, perfectly double like roses, and borne in great profusion all through the season. The color is a bright orange red, a rare and beautiful shade, which attracts the attention of all who see it.

Plants, each, 25 cents, or the two varieties for 40 cents.

(See pages 50 and 55.)



*Crimson Spiraea*

**Antony Waterer.** This Crimson Spiraea is excellent for a pot plant or decorating. Blooms when but a few inches high and continues during summer, autumn and winter. One of the most beautiful shrubs of recent years, and when known will be a general favorite. Perfectly hardy and fine for edging, growing only 12 inches high and covered with flowers all summer. Each, 30 cents; two for 50 cents.

(See page 66.)

## TAMARIX AFRICANA.

Hardy shrub, with very graceful and handsome foliage. This beautiful feathery foliage continues an ornament after flowers are gone and till cut off by frosts. The plant flowers so freely that in the early summer it is one mass of pink bloom, completely hiding the foliage. Invaluable for planting by the seaside, where very few plants will grow. Each, 35 cents; per dozen, \$3.75.





## Perennial Poppies.

These poppies are perfectly hardy, growing stronger and better year after year; they are excellent varieties for the border, the large brilliant blossoms of glistening white, scarlet, orange and yellow, showing to the very best advantage against a background of shrubbery. All these poppies bloom the first season from seed; they do not bear transplanting and should therefore be sown where they are to remain permanently.

Only seed are offered, because as plants they cannot be shipped successfully; their tap roots are apt to be broken in taken up, and they wilt quickly after digging; at the same time we are desirous that our friends should have at least a few of these charming plants in the garden.

## Oriental Poppies

## Oriental Poppies.

**Oriente**, one of our most showy hardy perennials, but blooming the first season from seed; the flowers, over six inches across, are an intense deep scarlet color, with a dark purple blotch at the base of each petal, and the mass of stamens is of the same color. The fern-like foliage is abundant and graceful, of a rich green, consequently when the plant is in bloom it is a magnificent spectacle and exceedingly attractive. About two feet high. Per packet, 5 cents.

## Bracteatum.

Another variety of the Oriental poppy. Flowers red, bracteate. Very large. Plant grows three feet high. Packet 5 cents.

## Involucratum Maximum.

Fine large flowers, brilliant colors. Packet 5 cents.

## Iceland Poppies.

The plants grow from nine to eighteen inches high, the flowers are borne on long slender stems, and have a crushed satin-like luster, the colors ranging from pure white to brilliant yellow and deep rich orange; they are fragrant and are produced in continuous succession from June to October.

White, 10 cents per packet.

Yellow, 10 cents per packet.

Orange, 10 cents per packet.

*This grand Collection of six hardy Poppies, only 35 cents.*

## Climbing Nasturtiums.

The *Tropæolum Majus* is a great favorite with the flower loving public, and should be in every garden; it is a fitting companion of the Sweet Pea. The letters received during the year have spoken of the great satisfaction and delight derived by those who planted "Our Prize Collection" last spring; it is therefore with great pleasure we offer our customers another carefully selected assortment from the best named varieties.

**Vicks Prize Mixture**, Ounce 25 cents, per packet 10 cents.

We offer six packets, one each of the following six varieties, in separate colors, for only 25 cents.

**Atropurpureum**, rich velvety crimson.

**Dunnett's Orange**, golden orange, with garnet blotches.

**Pearl**, creamy white.

**Luteum**, pure yellow.

**Coccineum**, bright orange scarlet.

**Scheuerianum coccineum**, beautiful striped scarlet.



POPULAR  
NASTURTIUMS

# Hardy Roses

The plants of the Hybrid Perpetual class are entirely hardy. The flowers are of large size, very full and double at the center, and of the most beautiful colors, from pure white to the darkest shade of crimson.

Through their blooming season, in June, they give us a show of brilliant colors unequalled by any other plants. In the spring cut back all the shoots, or stems, and they will send up new ones, which will make a very strong growth and give abundance of bloom; the new wood gives the bloom; Moss Roses are popular and much admired for their beautiful buds. Climbing Roses are perfectly hardy, blooming early in the summer, and soon cover any arbor or porch.



GEN'L. JACQUEMINOT

We have reduced our long list of Roses, by discarding sorts that were too similar to be of value to the amateur, but grow many of the older varieties listed by Nurserymen and Florists, as well as the newer ones offered by other houses. The varieties offered are the best of their respective classes. In fact, our stock of Roses is complete, and we can supply all the leading varieties.

Strong One Year Plants, each 20 cents; six for \$1.00; twelve for \$1.90, except where noted.

**Anna de Diesbach** (Glory of Paris). Brilliant crimson, long pointed buds, large, finely formed, compact flowers, very sweet, free bloomer. Valuable for forcing, and a superior garden sort. 1 year, 20 cents; 2 year, 35 cents.

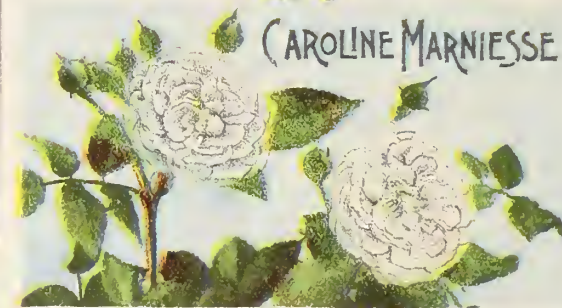
**Caroline Marniesse**. There was not a week from late May till the middle or latter part of October that large quantities of blossoms could not have been picked from these plants. The habit of growth is low and somewhat spreading, making it especially valuable for the borders of beds, also very effective for massing in any position. The blossoms are a pure (or slightly creamy) white, of medium size, very double and sweetly tea-scented. A perpetual bloomer. 1 year, 20 cents; 2 year, 35 cents.

**Clio**. Originated with celebrated English Rose growers. Flowers large, of fine globular form, flesh color shaded in center with rosy pink; vigorous grower and handsome foliage. One of the finest new roses. 2 year plants, each 50 cents.

**Gen. Jacqueminot**, rich crimson-scarlet, very bright and velvety. It produces beautiful buds that are much admired and in great demand. 1 year, 20 cents; 2 year, 35 cents.



ANNE DE  
DIESBACH



CAROLINE MARNIESSE



Clio

MARCHIONESS  
of  
LONDONDERRY

# HARDY ROSES.

**American Beauty**, is considered one of the largest and most beautiful of the hardy roses; a strong grower and continuous bloomer; flowers very large and double; color, a rich, rosy crimson; very fragrant. Each 25 cents; 2 year, 50 cents.

**Archduchesse de Autriche**, bright satiny pink. 1 year, 20 cents; 2 year, 35 cents.

**Augustine Guinoisseau**. White La France. 1 year, 20 cents; 2 year, 35 cents.

**Coquette des Alpes**, white, occasionally tinged with pink, flowers in clusters. 1 year, 20 cents; 2 year, 35 cents.

**Coquette des Blanches**, pure white, sometimes delicately tinged with pink. 1 year, 20 cents; 2 year, 35 cents.

**Duchess of Albany**. A sport from La France, deeper in color, more expanded in form and of larger size. The flowers are deep pink, very large and full, highly perfumed, and in all respects of first quality. The plant is of strong, healthy growth and blooms freely. 1 year, 20 cents; 2 year, 35 cents.

**Earl of Pembroke**. Bright crimson, a beautiful clear shade, very fragrant. 1 year, 20 cents.

**Fontenelle**, carmine red, very full and double. 1 year, 20 cents; 2 year, 35 cents.

**Francis Levit**. Color cherry red. Flower large size, well formed. Plant strong grower; free bloomer. Strong dormant plants each 25 cents

**Gustave Piganeau**, brilliant carmine lake; large, equalling Paul Neyron in size; full and cupped; very fragrant. 1 year, 20 cents.

**La France**, silvery rose changing to pink; a most constant bloomer; beautiful both in flower and bud. 1 year, 20 cents; 2 year 35 cents.

**La Reine**, deep rosy lilac, free flowering. 1 year, 20 cents; 2 year, 35 cents.

**La Rosiere**, velvety crimson, very fine. 1 year, 20 cents.

**Madame Angelique Veysset**, Striped La France. 1 year, 20 cents; 2 year, 35 cents.

**Madame Gabriel Luizet**. Pink, distinct, very large, cup-shaped; somewhat fragrant. Will rank with Baroness Rothschild. 1 year, 20 cents; 2 year, 35 cents.

**Madame Plantier (Hyb. China)**, summer bloomer; pure white. 1 year, 20 cents; 2 year, 35 cents.

**Marchioness of Lorne**. Is especially remarkable among the Hybrid Perpetuals for its perpetual and free flowering qualities, nearly every shoot producing a flower. A splendid grower and free from disease. Extremely fragrant and of a rich, shining rose color, shaded with vivid carmine. The finest garden rose of its color. Each, 20 cents; two-year, 40 cents.

**Marchioness of Londonderry**. A new white Hybrid Perpetual, and one of the late introductions of Messrs. Dickson, of Ireland, who gave us the beautiful roses, Earl of Dufferin, Margaret Dickson, etc. Flowers of great size, measuring five inches across, perfectly formed and carried on strong stems; color very white; petals of great substance; shell-shaped and reflexed, free flowering; highly perfumed; growth vigorous and foliage very handsome. Undoubtedly one of the finest raised by this firm. We have had this variety in flower and regard it as a decided acquisition to the list of Hardy White Roses. Two-year, 50 cents.

**Mrs. John Laing**, delicate pink, large, fine form, very fragrant. 1 year, 20 cents; 2 year, 35 cents.

**Marshall P. Wilder**. Vigorous growth and healthy foliage. Flowers large, full, well formed. Color cherry-carmine. Undoubtedly the finest of its color. 1 year, 20 cents.

**Mrs. R. G. Sharman Crawford**. Flowers large and of fine form. Color deep rosy pink, outer petals shaded with pale flesh; white at base. Strong growth, flowering from early summer till late in autumn. 2 year, 50 cents.

AMERICAN  
BEAUTY



# HARDY ROSES

## VICK'S CAPRICE

**Magna Charta**, pink, suffused with rose; large, full. 1 year, 20 cents; 2 year, 35 cents.

**Margaret Dickson**. Distinctively a garden rose and the best white Hybrid Perpetual, combining with sterling qualities of entire hardiness, very vigorous growth and repeated blooming; has the fragrance, beauty of form and waxy-texture of the finest tea roses. The flower is of magnificent form and very large. In color it is the most beautiful waxy white, shining with almost the luster of a pearl. Each, 20 cents; two year, 40 cents.

**Pæonia**, bright clear red, very sweet. 1 year, 20 cents; 2 year, 35 cents.

**Paul Neyron**, a grand rose, with immense double flowers, probably the largest grown; bright shining pink, clear and beautiful; finely scented. 1 year, 20 cents; 2 year, 35 cents.

**Perfection des Blanches**, pure, snowy white, free bloomer; flowers large and fragrant. 1 year, 20 cents; 2 year, 35 cents.

**Pierre Notting**, deep velvety maroon, large and fragrant. 1 year, 20 cents.

**Prince Camille de Rohan**, rich, dark, velvety crimson, shading to maroon; very double and sweet. 1 year, 20 cents; 2 year, 35 cents.

**Vick's Caprice**, soft satiny pink, striped and dashed with white and carmine. 1 year, 20 cents; 2 year, 35 cents.

**Victor Verdier**, large full; bright rose color, crimson center. 1 year, 20 cents; 2 year, 35 cents.



## MONTHLY ROSES

The everblooming class, comprise Teas, Noisettes, Chinas and Bourbons. Even as far north as this they give us better satisfaction than any other class of Roses, on account of their free blooming qualities, their exquisite fragrance and delicate colors. Some are almost hardy, and do well if slightly protected with leaves or straw; a little farther south they stand the winters without protection. If the plants are taken up in the fall, trimmed back, and put in earth in a cool cellar, with just water enough to keep them from shriveling, they will come out fresh in the spring. All Roses delight in a rich soil.

*Italic letters are as follows to indicate classes, t. Tea; cl. t. Climbing Tea; c. China; b. Bourbon; n. Noisette.*

Fine strong plants, 15 cents each, \$1.50 per dozen, \$10 per 100; 25 plants at 100 rates, except where noted.

Rose, Alfred Aubert, bright red; beautiful shade. *b.*

Baron Berge, soft lemon, white at base of petals, beautifully tinted with rose on the outer edge of petals. *t.*

Bon Silene, rich shade of crimson, tinged with salmon. The flowers on opening are semi-double, which makes it desirable in the bud form only; delightfully fragrant. *t.*

Bridesmaid. An improved Catharine Mermet, from which it is a sport; clear delicate pink, with large handsome pointed buds on long stiff stem. *t.*

Catharine Mermet. One of the finest varieties in cultivation; buds of the largest size and form. Petals gracefully recurved, showing pink center, which gradually shades towards the outer edge to light pink. Plant of strong growth and free bloomer, fragrant. *t.*

Charles Rovolli. Beautiful carmine, changing to silvery rose. *t.*

# MONTHLY ROSES



HENRY M. STANLEY



MARIE GUILLOT

**Coquette de Lyon.** Canary yellow; free bloomer. *t.*

**Duchesse de Brabant.** Rose, heavily shaded with amber and salmon; strong grower and free bloomer. *t.*

**Duchesse Marie Salviati.** Chrome-orange, shaded delicate flesh; frequently flowers have no shading; habit strong and vigorous. *t.*

**Francisca Kruger.** Coppery yellow shaded with peach; flowers large, full and well formed. *t.*

**George Nabonnand.** Rosy-carmine, shaded with silvery yellow. *t.*

**Gen. de Tartas.** Carmine, shaded purple. *t.*

**Henry M. Stanley.** Flowers large, of good substance, highly scented; delicate amber rose, tinged apricot yellow. *t.*

**Hermosa,** pink, always a favorite. *b.*

**La Pactole.** Cream, yellow center; a beautiful free-flowering variety. *t.*

**La Princess Vera,** rich ivory-white, shaded with coppery-yellow, veined with pale blush and carmine. *t.*

**Maman Cochet.** Deep rosy pink, the inner side of petals silvery rose. *t.*

**Marie Van Houtte.** Creamy white; outer petals outlined with bright rose. *t.*

**Mary Washington.** Double; snow-white; constant bloomer, fragrant. *tt.*

**Marie Guillot.** White, tinted with pale yellow; large, full, fine shape. *t.*

**Marie Lambert.** Creamy white; flowers medium size; free bloomer.

**Madame Lambard.** Rosy-bronze, changing to salmon and fawn, with carmine shading. *t.*

**Madame Joseph Schwartz.** Blush, edged carmine; flowers cup-shaped and borne in clusters. *t.*

**Marechal Neil.** Yellow, tea scented. *t.*

**Mrs. De Graw.**

Rich glossy pink, fine. *b.*



PRES. CARNOT

**Madame Bravy.**

Cream, pinkish center. *t.*

**Madame Welche.** Yellow, shaded canary. *t.*

**Madame Camille.** Soft rosy pink. *t.*

**Madame Veuve Menier.** Light rose; large size.

**Marquis de Vivens.** Outer petals bright carmine, center and base of petals creamy-yellow; flowers large, full, sweet. *t.*

**Niphetos.** Pure white, very large. *t.*

**Papa Gontier.** Brilliant carmine, changing to pale rose; reverse of petals purplish red; large; very popular, on account of the size and beautiful form of its buds. *t.*

**Perle des Jardins.** Rich yellow; perfect in form; free grower and profuse bloomer. *t.*

**President,** rosy crimson, changing to carmine; shaded red. *t.*

**Queen's Scarlet.** Dazzling crimson-scarlet; beautiful buds. Hardy. *b.*

**Rainbow.** Deep pink, striped with crimson and toned with rich amber; of strong growth, free flowering habit; very fragrant. *t.*

**Rubens.** Rosy flesh, deeper at the center; flowers large and full. *t.*

**Safrano.** Saffron-yellow, changing to fawn; rose tinged; beautiful buds; fragrant. *t.*

**Souvenir de Clairvaux.** Bright rose, base of petals apricot, shading to nankeen yellow, touched with carmine. Flowers medium size, well formed and very sweet. *t.*

**Souvenir du President Carnot,** is one of the latest French acquisitions. It is a tea rose of strong growth, with leaves unusually large and handsome. The flower is very large, quite double, and exquisitely shaped. The color is a rosy blush, darker at the center; it has a delicious fragrance, blooms very freely, and is quite hardy.

**The Bride.** A sport from Catharine Mermet and identical therewith except in color. Flowers large, pure white, borne on long, stiff stems, and very lasting after being cut; fragrant. *t.*

**White Bon Silene,** lemon-yellow, shading to creamy-white. *t.*

Strong plants, 15 cents each, \$1.50 per dozen, \$10 per 100; 25 plants at 100 rates, except where noted.

# LA FRANCE ROSES

Bloom till late in Autumn.

LA FRANCE stands at the head of our hardy roses for the beauty and profusion of its bloom, and for its fragrance. Indeed it is the most distinguished member of the Hybrid Tea varieties. It is of beautiful form, both in bud and full bloom; very large, full, globular; a most constant bloomer, and one of the sweetest roses.

This rose has, at different times, produced sports which have the same characteristics as the original plant, except in color. We now offer in connection with the original, three of the sports:

## LA FRANCE AND ITS SPORTS.

Pink La France,

Red La France, or Duchess of Albany,

Striped La France, or Madame Angelique Veysset,

White La France, or Augustine Guinoisseau.

Price—Plants, each, 20 cents; the set of four for 60 cents.

Two-year plants, each, 35 cents; the set of four for \$1.25.

## POLYANTHA ROSES.

A distinct class, perfectly hardy, and continuously in bloom; desirable for house culture. Plants are of low growth, branching freely and commencing to bloom while yet small, and continuing to bloom nearly all the time. Flowers are produced in clusters, and although not large, are perfect and handsomely formed. Excellent for bedding out.

**Little White Pet.** Light pink or blush on opening, changing to pure white.

**Mignonette.** Rose, changes to blush; clusters large; flower small, delicate.

**Mlle. Cecile Brunner.** Of vigorous growth; salmon rose, on a yellow ground.

Per dozen \$1.50; each 15 cents.

## THE SOUPERT SET.

**Clothilde Soupert** (Tea Polyantha). Flowers are of medium size, double and beautifully formed; oval at first, but flattening as they expand. The color is a pearly white at the outer edge, shading to a center of rosy pink, color sometimes varying to nearly pure white. Very fragrant; constant bloomer.

**Pink Soupert.** Blooms in great profusion and for a long time, commencing when quite young. It is a handsomely formed, double rose, with a delightful tea scent, and equally well adapted to the open ground and to pot culture. Color, handsome pink.

**White Soupert.** Pure white full and double flowers, fragrant.

**Yellow Soupert.** This splendid novelty is almost identical with its parent Clothilde Soupert, except in color. Blooms in clusters of from three to five flowers, which are very double, ball-shaped and open like a Camellia flower. Petals are tinted white on a beautiful light yellow ground, extending to middle of petals. Plant dwarf and free flowering. Will take a high rank.

This Soupert set of four hardy varieties for 50 cents, or 15 cents each.

## THREE NEW FAIRY ROSES.

**Etoile de Mai.** Blooms in clusters; full; Nankeen yellow changing to pale yellow; free flowering.

**Petite Leonie.** Flowers small, full, imbricated; outer petals porcelain white, center carmine lake.

**Princess Marie Adelaide.** Of beautiful habit; large clusters of small double flowers; ivory white.

Each, 20 cents; the set of three hardy varieties for 50 cents.

## NEW HYBRID DWARF POLYANTHA.

**Ma Filette** (Tea Polyantha), a cross of Mignonette and Luciole. Plant low-growing, bearing its flowers in corymbs; outer petals large, soft rose color on a yellow ground; those of the center narrower, of carmine lake, orange-rose reflections. Fragrant, free bloomer; fine for masses and for pot forcing. Hardy.

**Archduchesse Elisabeth-Marie** (Tea Polyantha), cross of Mignonette and Luciole. Plant vigorous; handsome foliage; flower medium size, full imbricated and blooming in clusters; bud chrome yellow, open flower pure canary yellow; center Naples yellow, passing to pure white; fragrant and abundant bloomer; fine for planting in masses and for pot culture. New. Hardy.

Each, 50 cents.

## HARDY MOSS ROSES.

**Comtesse de Murinais,** pale flesh, changes to white.

**Capt. John Ingram,** purplish crimson. Two year

**Henry Martin,** dark red [plants only.

One year plants, 20 cents each; dozen, \$2.00.

**Madame de la Rochelambert,** white, pink tinge.

**Princess Adelaide,** pale rose.

**White Bath,** pure white.

Two year plants, 35 cents each; dozen, \$3.50.

## NEW FAIRY POLYANTHA



## WICHURIANA

or MEMORIAL ROSE.

A Japanese variety of value and distinction; its stems creep on the earth after the habit of ivy. The flowers grow in profusion in clusters on the ends of the branches. Flowers, pure white, with yellow stamens and very fragrant. Valuable for use in cemeteries and covering rockeries, etc. Hardy. One year plants 20 cents; two year plants 35 cents.

## SET OF HYBRID WICHURIANAS.

A beautiful class of Roses of trailing habit, finely adapted to arbors, trellises or rockeries; the foliage is finely cut and of a rich glossy green. Hardy.

**Manda's Triumph.** Flowers large, double, in clusters, pure white and fragrant.

**Pink Roamer.** Flowers single, a clear pink, and delightfully fragrant.

**South Orange Perfection.** Flowers blush pink, changing to white, double, medium sized; an elegant plant and profuse bloomer.

**Universal Favorite.** A robust grower, splendid deep green foliage, abundant flowers, large, double, fragrant and of a deep rose color.

*Strong young plants 20 cents each; the set for 75 cts.*

## SET OF RAMBLER ROSES.

The Ramblers have grown in favor so rapidly and are so well known that it is not necessary to devote space to a long description of these wonderfully beautiful and useful hardy climbers. They are suitable for training on walls, verandas, trellises, arbors and pillars, and as specimen pot plants for winter forcing. Flowers are well formed and though small are produced in so great profusion as to present an immense mass of bloom. Many of our customers report that single plants when in bloom showed thousands of flowers.

**Crimson. White. Yellow. Pink.**

*Plants 15 cents, set of four for 50 cents.*

*Two year plants 35 cents, set of four for \$1.00.*

**Baltimore Belle.** Pale blush, nearly white. Hardy.

**Greville, or Seven Sisters.** Blush and crimson. Hardy.

**Queen of the Prairies.** Rosy red; fine. Hardy.

*Plants 20 cents, set of three for 50 cents.*

*Two year plants 35 cents, three for 90 cents.*

## SET OF EVER-BLOOMING CLIMBERS.

**America.** Very large, beautiful buds; flowers rich, creamy yellow, passing to orange; full and sweet.

**Climbing Malmaison.** This rose is identical with the old Malmaison, except that it is a vigorous climber. Indeed it is one of the most rampant of all the ever-blooming climbers. Color creamy flesh. Hardy, with slight protection. *b.*

**Empress of China.** The best of the large flowering varieties. Flowers bright pink. After the plants have become established, it blooms continuously throughout the summer; hardy. One of the best.

**James Sprunt.** Deep cherry red, flowers medium size and full, very double and sweet. A strong grower and profuse bloomer.

**Mary Washington.** Flowers pure white, of medium size, borne on long stems and perfectly double, fragrance tinged with a musky flavor. Rapid, vigorous grower; hardy. Perpetual bloomer.

**Climbing White Pet.** Very rapid climber, making a wonderful growth, often 10 to 15 feet the first year. Blooms profusely. Flowers pure white, medium size, very double, ever-blooming, fragrant and hardy. Bound to become a great favorite.

*Price, each 15 cents; set of six for 75 cents.*



# NEW AND RARE ROSES.

**Auguste Comte.** Flower large and full, and very similar to Maman Cochet in form. The outer petals are rosy carmine with darker border, center flesh, shading to deep yellow. Lasts a long time in bud form; beautiful, fragrant. *z.* Each 25 cents.

**Antoine Rivoire.** Flower large and of Camellia form. Color, clear rosy flesh, shading to yellow, shaded and lined with bright carmine. A superb variety and very free. *h. z.* 25 cents each.

**Climbing Meteor.** A free and continuous bloomer, often making a growth of ten feet in a season. Color, rich, velvety red. *cl. z.* 20 cents each.

**Charlotte Gillemot.** Beautiful long bud with large, full flower of pure white. One of the finest varieties among the white Hybrid Teas. 25 cents each.

**Duke of York.** Flowers rosy pink and white; of vigorous growth and good habit, a splendid, constantly blooming, decorative rose; of fine substance and much more like a fine Tea than a China in character of bloom. *c.* 20 cents each.

**Emile Gouin.** Flower very large, full and nicely formed. White, tinted orange yellow, each petal broadly bordered with bright rosy carmine. *z.* 25 cents each.

**La Proserpine.** A new hybrid Polyantha. Plant vigorous and always blooming; flower long stemmed, medium size double or nearly full, fragrant. Color, a pink or peach tint, the center tinted orange chrome, and the outer petals shading to a rosy white. A handsome, free flowering variety. Hardy. 50 cents each.

**Mrs. Pierrepont Morgan.** Bright cerise rose. A sport from the well-known rose Mme. Cusin; much superior to that variety. *z.* 20 cents each.

**Sylph**



**Marion Dingee.** Flowers large, cup-shaped, moderately full and borne in great profusion all through the growing season. A deep brilliant crimson. 20 cents each.

**Princess Bonnie.** A fine ever-blooming rose. In color a deep crimson; very fragrant, and a profuse bloomer. *z.* 25 cents each.

**Palo Alto.** New, from California. Flower very full with broad petals of chamois rose, tinted with golden yellow and creamy white; very fragrant and a constant bloomer. *z.* 25 cents each.

**Souvenir of Jeanne Cabaud.** Flowers large and full. The outer petals are coppery yellow, the center bright carmine. A strong grower. *z.* 25 cents each.

**Sylph.** Ivory white, tinted with peach. Flower large with a high center, and deep, stiff petals. New, and very hardy for a Tea rose. 25 cents each.

**The Sweet Little Queen.** A new Tea rose named in honor of the young Queen of Holland. Flower full, and of large size; color a shining light yellow, the center ochre yellow, mingled with rose and orange. The petals are parted like those of a Chrysanthemum, giving the flower a peculiar style of its own. Excellent for forcing. 50 cents each.

**White Maman Cochet.** This grand new Tea rose is a sport from Maman Cochet. The flower is extremely large, round, and full; a pure white. Each 25 cents.

## WONDERFUL HERMOSA SET OF BEDDING ROSES.

**Crimson or Queen's Scarlet.** Dazzling crimson scarlet; beautiful buds.

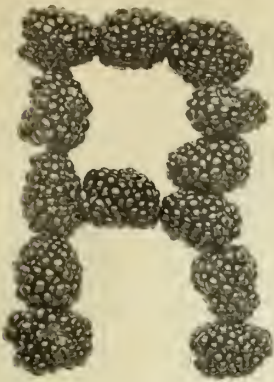
**Hermosa.** Pink, always a favorite.

**White or Marie Lambert.** Creamy white; flowers medium size; very free bloomer.

**Yellow or Coquette de Lyon.** Canary yellow; free bloomer. Each 15 cents; set of four for 50 cents.







# ATHBUN

# BLACKBERRY.

Surpasses the Dewberry in quality.  
 Remarkably productive. . . . .

## LARGEST OF BLACKBERRIES

BERRY  $\frac{3}{4}$  NATURAL SIZE.

A tip-rooting variety. Plant hardy, vigorous, and a great bearer. Fruit very large, black and lustrous, of the highest quality, and a most excellent shipper.

Since we introduced this berry in 1895, it has acquired an enviable reputation.

It requires 164 Erie Blackberries to fill a quart box and only 45 berries of the Rathbun.

Costs less to pick.

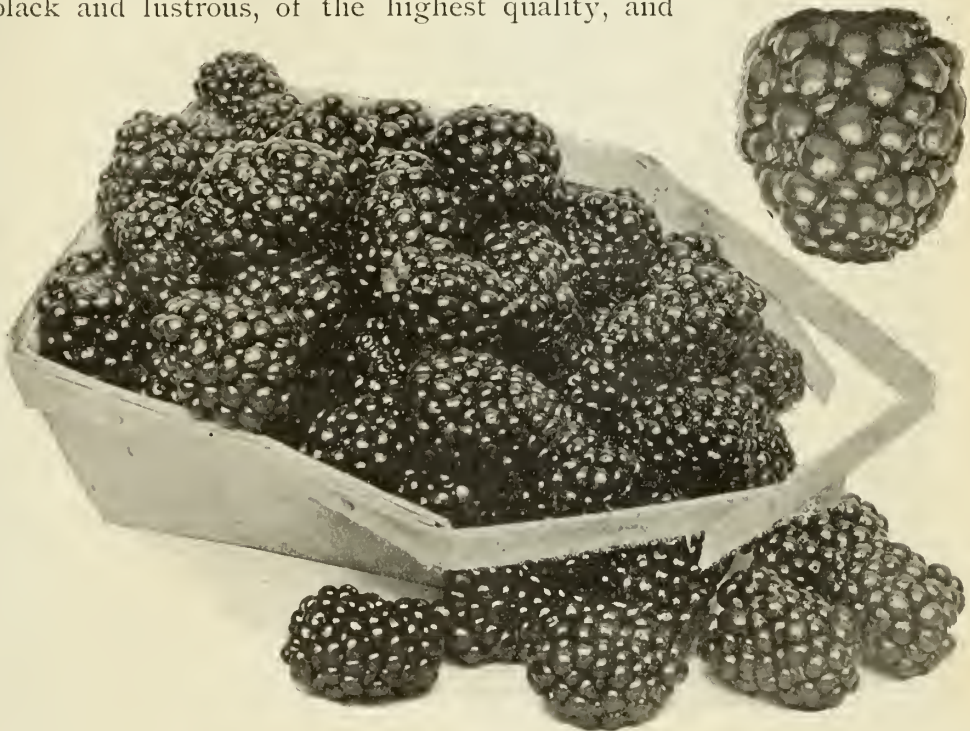
Brings more in the market.

Fruit holds to a large size through the whole season.

Price, 15 cents each, by mail.

By express, transportation not paid, per doz. \$1.50; hundred \$8.00.

Special prices per 1,000 to fruit growers.



Attention is called to  
Our New Departure in  
Vegetable Seeds. ☺

Don't fail to read page 79 . .

It costs no more to procure fresh seeds true to name, direct from the grower, than it does to buy questionable seeds at the store.

# THE GRADUS PEA.

## Grandest Extra Early Pea Ever Introduced. As Early as the Earliest.

Finest Flavored Early Pea Yet Offered to the Public.

Pods as Large as the Telephone.

Of all the green wrinkled Extra Early Peas introduced in recent years THE GRADUS is the most remarkable, and in all respects the most valuable, and cannot be recommended too highly for truckers and market gardeners' use, while for the home garden there is no variety to compare with it.

As an Extra Early Pea THE GRADUS, being a sugar Pea, is far superior to all smooth varieties, such as "Extra Early," "First and Best," "Morning Star," "Maud S," etc. etc., not only in its delicious quality but also in THE LONG PODS, which are produced in great abundance, and are literally packed with large peas of exceptional sweetness. While the early smooth varieties contain but four to five peas to the pod, THE GRADUS usually contains from eight to twelve.

In our trials of more than one hundred varieties the past season THE GRADUS outclassed and led all for

**Earliness, Delicious Flavor,  
Large Sized Pods and  
Excellent Cropping Qualities.**

Rochester, Dec. 20, 1898.

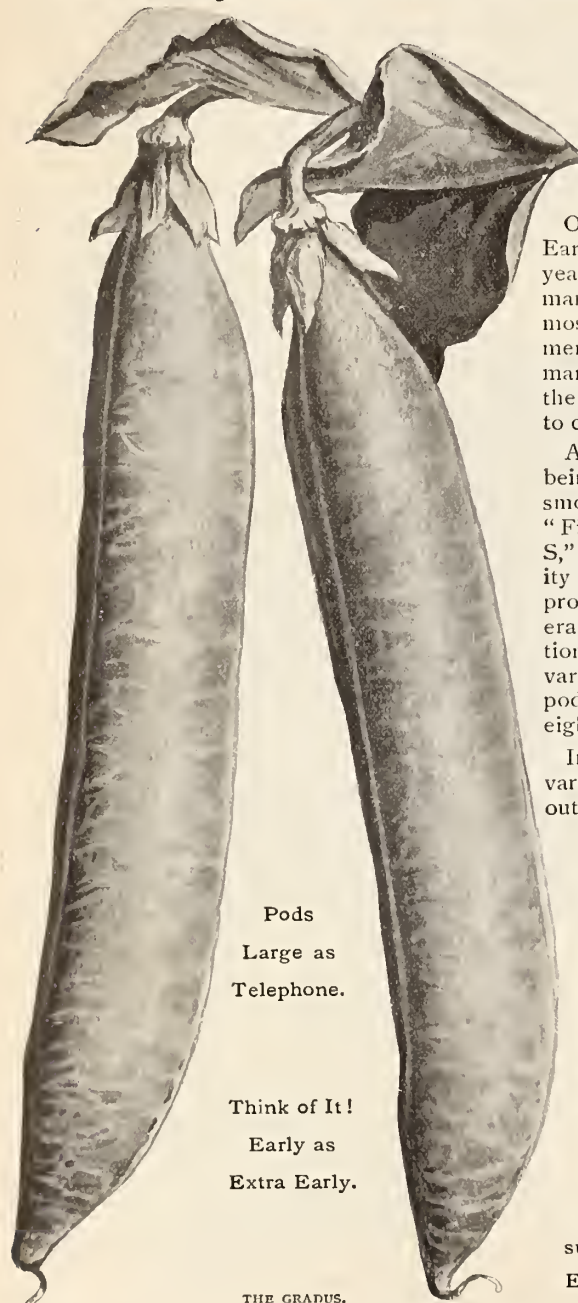
Jas. Vicks Sons,  
Dear Sirs:

Enclosed please find order for Gradus Pea. I grew it, past season, with several early varieties and shall use it hereafter in place of all others. Best thing I have tried for market or home use.

Yours truly,

It is destined to supersede all Extra Early Varieties.

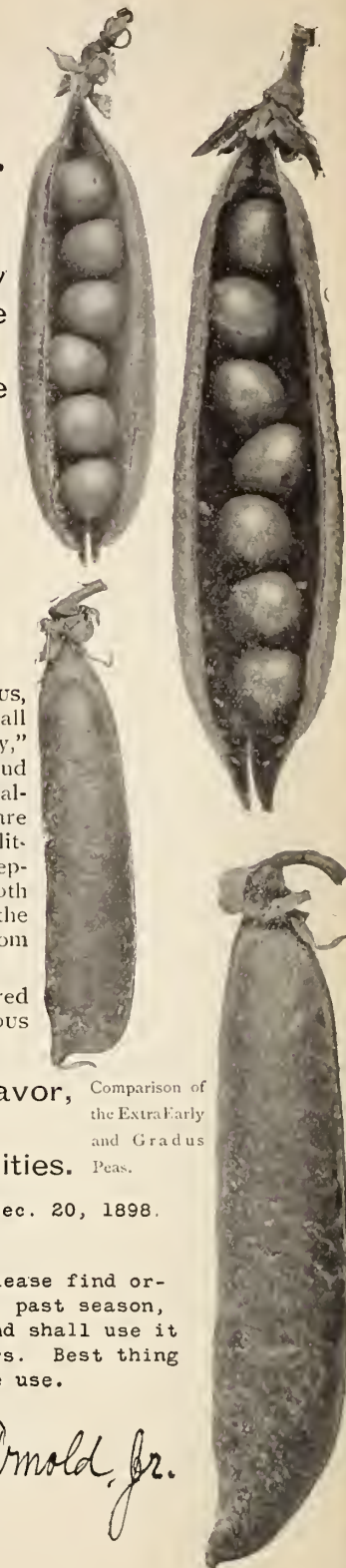
*Geo. Arnold, Jr.*



Pods  
Large as  
Telephone.

Think of It!  
Early as  
Extra Early.

THE GRADUS.



Comparison of  
the Extra Early  
and Gradus  
Peas.

Price: Per quart, 65 cts; pint, 35 cts; packet, 10 cts, postpaid.

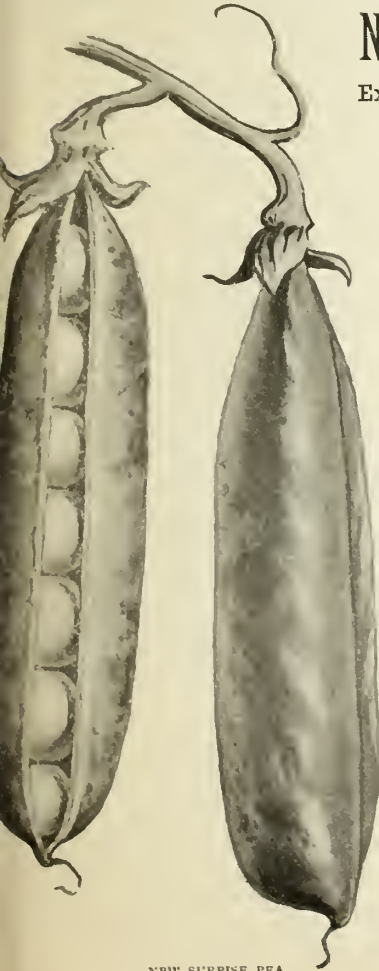
If by express, at expense of purchaser. With other goods deduct 15 cents per quart.

# Vick's Daisy Pea

was named by our representative, who, when visiting the field in England, where it originated, exclaimed "That's a Daisy!" This honest outburst of enthusiasm so pleased the originators that they called it **The Daisy**. Another year's trial of this pea endorses its claim of being one of the very best. **The Daisy** is a second early pea of robust habit, vines two feet in height, bearing an abundance of well-filled pods containing seven to nine large and deliciously flavored peas. **The Daisy** will take the lead of all market garden peas.

It is without a doubt one of the finest dwarf early Marrow peas in cultivation, and it is one that ought to be grown in every garden whose owner appreciates peas. Sturdy and branching in habit, requiring no stakes, coming early and remaining late in profitable productiveness, giving green peas of considerable size and of best quality; it is one of the very front rank.

Price—Quart, 55 cents; pint, 30 cents; packet 10 cents, postpaid. If by express, at expense of purchaser, with other goods, deduct 15 cents per quart.



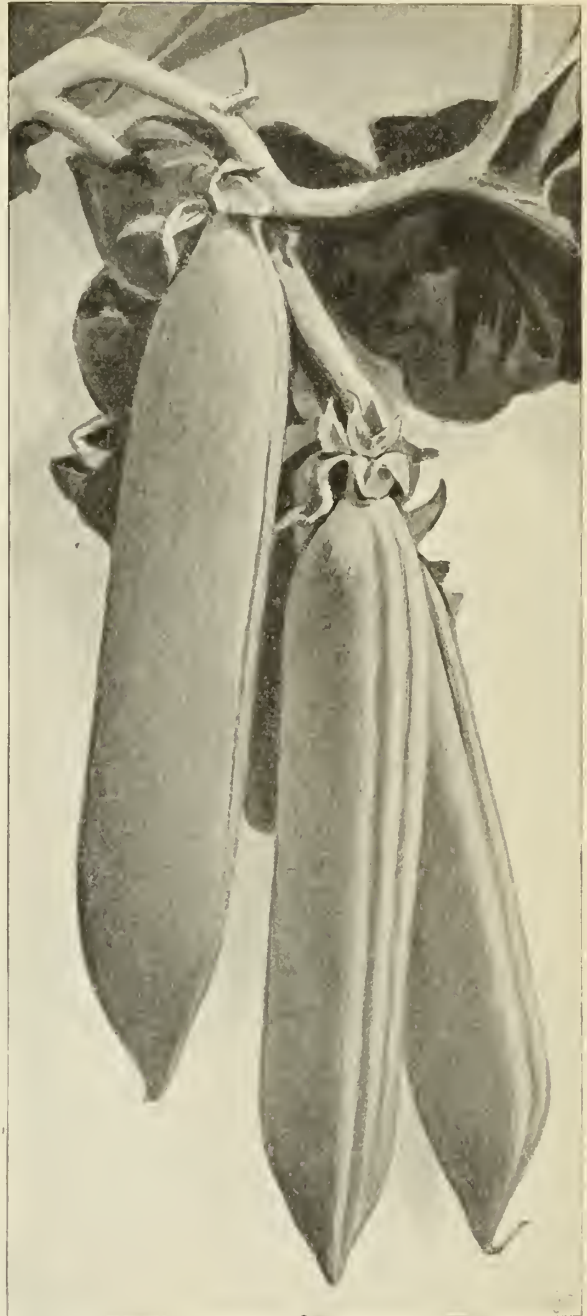
NEW SURPRISE PEA.

## New Surprise Pea

**Extra Early Wrinkled Sugar.**

The **New Surprise Pea** offered last season for the first time is the earliest wrinkled pea in the market fully as early as the **Extra Early** or **First and Best** (both smooth varieties) but far superior in quality. It is a cross between **Earliest of All** and **American Wonder** and the result is a wrinkled pea as early as the **Earliest of All**, with the delicious flavor of the **American Wonder**. The vines grow about two feet high, are vigorous and need no bushing; the pods are well-filled, containing about six or seven peas, not as large as **American Wonder**, but the plant is a far better cropper and is ready for market some days earlier.

Price, 55 cents per quart; 30 cents per pint; 10 cents per packet. If by express at expense of purchaser, with other goods, deduct 15 cents per quart.



THE DAISY.

KEENE, N. H., Dec., 27, 1898.

*James Vicks Sons:*

I must speak of the **Gradus Pea** which we tried this year; it was the finest we ever tasted. I only regret we had so small a place for them; could almost see them grow from day to day.

Many of our market men came to look at them and get the name. I only hope we can raise more the coming year.

MR. AND MRS. SMITH.

# Golden Wedding Feast.

ONLY CASE ON RECORD WHERE YOU CAN  
HAVE YOUR CAKE AND EAT IT TOO.

We Will Give You Credit for Full Amount of Your Purchase to be Applied as Per Instructions Below.

Not a catch-penny Scheme but an honest offer for the benefit of our Customers.

It requires just as much time and work to open letter, register, file, direct tag and attention to fill a small order as a large one, therefore to encourage our friends to make their orders as large as possible, we have arranged with the manufacturers to supply us with the following goods at the lowest wholesale prices, and have partially paid for them in advertising. Now we want our customers to secure the benefit, and to this end, will give each customer Full Credit for the amount of their order for Seeds and Plants, and to accept this credit as payment for goods named, according to table below.

If not ready to select when sending order for seeds or plants, the amount will be placed to your credit, and the goods can be ordered at any time during the year. When amount of credit does not equal the amount named in credit column the balance can be made up in cash. In every case the amount of cash, named in third column must accompany the order. The first column is the regular price for the goods and for which we will sell them at any time; the second column is the amount of credit allowed on purchase price of each article, while the third column is the lowest amount of cash that will be accepted for each article, and a person sending this amount must be entitled to as much credit as amount named in second column for same article.

For instance, a man wanting a Gem Poco Camera, must have sent us an order for \$1.50 for seeds and plants, which gives him a credit of \$1.50, and remit us \$2.50 only in cash to secure the \$4.00 camera, or, a person having sent us an order for seeds and plants for only 25 cents, could send 75 cents more and secure *The Ladies' Home Journal* for one year. If your list of seeds and plants does not quite give you the amount of credit you desire to secure some one or more articles, invite your neighbors to join you in ordering seeds and plants.

All these articles will be illustrated and described in VICKS ILLUSTRATED MONTHLY MAGAZINE for February, and the following months. There will also be additions to this list of articles from month to month. Magazine three months mailed upon receipt of six cents, or one year for 25 cents. Publications go by mail prepaid, other articles by express or freight at expense of purchaser.

Watch Vicks Magazine for new articles to be offered.

	REGULAR PRICE.	AMOUNT OF CREDIT ALLOWED	AMOUNT OF CASH PAYMENT.
Ladies' Home Journal, Philadelphia, Pa.			
The Ladies Favorite Journal . . . . .	\$1 00	\$ 25	\$ 75
Woman's Home Companion, Springfield, Ohio. A ladies paper without a superior.	1 00	40	60
New York Weekly Tribune, New York. The most popular Weekly in America.	1 00	40	60
Farm and Home, Springfield, Mass. For village, suburban residents and all actually engaged in agricultural pursuits . . . . .	50	15	35
Family Scales. K. K. K. Family Scale is a Complete Kitchen Cabinet. Weighs from ¼ ounce to 20 pounds, has also quart, pint, ½ pint and cup measures, table and tea spoons. U. S. Standard . . . . .	3 50	1 00	2 50
Gem Poco Camera, 3¼x4¼ is covered with morocco grain leather, safety shutter for time or instantaneous exposures, weighs one pound, view finder . . . . .	4 00	1 50	2 50
Rochester Sprayer No. 3, made of the best No. 24 galvanized iron and brass, nothing to get out of order, so simple a child can use it. Self operating, you hold the hose and the machine does the work . . . . .	4 50	1 75	2 75
Sewing Machine, made by one of the largest and best manufactories in America, adapted to every requirement of the family. Drop head and cover; guaranteed for five years; four side drawers and tool drawer.	19 00	5 00	14 00
Arnold Steam Cookers. Unequaled for cooking anything that can be boiled, baked or roasted. Used on any stove; holds three gallons, three compartments, with meat kettle, vegetable steamer and pudding pan . . . . .	3 75	1 40	2 35
Arnold's Steam Coffee Cooker. Three quart tin pot, requires one-third less coffee and no eggs; cannot spoil coffee by boiling	1 75	62	1 13
Arnold's Steam Coffee Cooker. Same as above, two quart nickel plated pot . . . .	2 00	75	1 25
Lawn Mower. See description of "A good cheap Lawn Mower" page 107, . . . . .	4 00	1 00	3 00
Will allow \$1.00 credit on any Lawn Mower on page 107.			



NEW BLUE MORNING GLORY  
ROCHESTER.

## Large Flowering Morning Glory ROCHESTER.

This grand new Blue Morning Glory is remarkable for the large size and new color of the flower. Vines strong, growing quickly twelve to twenty feet high with magnificent foliage, leaves measuring from eight to ten inches across, and remaining on the vine close to the ground during the entire summer. Flowers four to five inches across, are a deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edge. The flowers form in clusters of from three to five from the ground to the top of the vines.

Rapid Grower. Magnificent Foliage.

Very Large Handsome Flowers.

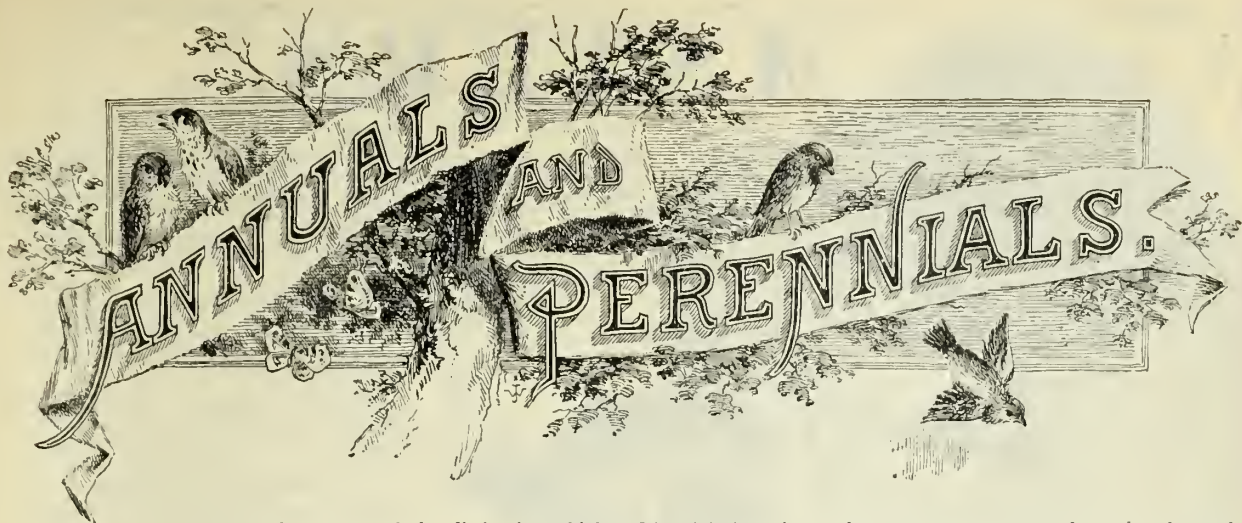
Price per packet, 15 cents.

## American Lavender.

The plant forms a symmetrical bush from twelve to twenty inches high. Flowers are lavender color. Yields honey freely in warm weather, blooms all summer, till killed by frost.

Both Flower and Foliage are very fragrant, and retain their pleasant odor after being dried, making the plant very useful and delightful for wardrobes, etc. Annual.

Price per packet, 15 cents.



"I don't exactly understand the distinction which you make," said a gentleman lately, "where you speak of plants as Herbaceous."

"Well, it is this," was the reply, "plants having soft stems that start from the root and grow during summer and then die down

when the cold weather comes, are called *Herbaceous*, to distinguish them from hard-wooded plants like shrubs and trees." And, now, we will explain further in relation to this, and other terms in common use among gardeners but which are not clearly understood by those who have not given attention to the subject. As we all know, plants have innumerable variations in form and general appearance, but they also vary greatly in vitality. Some trees have been estimated to be over 2,000 years old, and the age of some is absolutely known to be many hundreds of years. In contrast to these are the plants which start from seeds in the spring, make their growth in a few weeks, bloom, ripen seed and die on the approach of cold weather. Such

plants are called *Annuals*, although they do not live even a full year, but they are perpetuated annually. They are all Herbaceous, though in speaking of them this term is not applied, the word "Annual," sufficiently indicating their vital character; then there are plants which start from the seed in the spring and grow during the summer and autumn and live through the ensuing winter, and after growth starts again in the spring they bloom, and perfect their seeds, and then die in autumn. Such plants are called *Biennials*. The

tops of most Biennial plants die down in winter, for they are soft wooded, while the roots remain alive, or some of them maintain their leaves all through the cold season, and in this case they usually form a tuft lying close to the ground. A few plants classed among the Biennials will live over into the third year.

The number of kinds of Biennial plants is small as compared with those of the Annuals, or with those of another class of plants which we will now notice. These are what

are called *Perennials*, for the reason that they live through from year to year, blooming and producing seed every season. The trees and shrubs are all Perennials, but there are many soft-wooded plants that are also Perennials. The tops of most kinds of soft-wooded or *Herbaceous Perennials* die down in autumn, while their roots remain alive ready to start with the warmth

of Spring. There are, then, three well-defined divisions among the soft-wooded plants—*Annuals*, *Biennials* and *Perennials*, or *Herbaceous Perennials*, which is the term usually employed. Trees and shrubs constitute the hard-wooded class. Annual and

Biennial plants in nearly every case propagate themselves by seeds, but Herbaceous Perennials are not only reproduced by seeds but by runners, offshoots, growth from the roots, bulbs, tubers and in other ways.

Among the flowering plants of the garden the *Annuals* are particularly noted for the abundance, beauty and brilliancy of their flowers. These qualities taken in connection with the fact that the plants can be quickly and cheaply produced in large quantities from seed, give the annuals great prominence in the flower garden. The Annuals also vary greatly in their habit of growth; some spread over the ground in low masses, like the lobelia, portulaca, petunia, sweet alyssum and mignonette; some make handsome single plants, such as the balsam, aster and four o'clock; some stand up singly to a height of three or four feet like the larkspur, and others like the morning glory and gourds, make great clambering vines that cover a veranda or fence with their foliage, and produce numerous flowers. Between those mentioned are many other grades of growers, such as the sweet pea, which climbs to a height of four to nine feet, producing its fragrant and graceful flowers in innumerable quantities. Then there is the low-growing pansy, always admired. This last is not an Annual, but a perennial, as it lives for several years. There are some perennial flowering plants which, if their seeds are sown in the spring, will make plants that bloom in the autumn of the same season.

Of *Hardy Herbaceous Perennials* there is an immense variety. An important consideration in regard to these plants is that when once planted and established they are permanent members of the garden, perpetuating themselves in numerous offspring. Many of the Perennials bloom very early in the spring, and

when the annuals have scarcely started; such are the violet, columbine and others. Some bloom late in autumn like the Japan anemone, others at various times during the spring and summer, while there are quite a number of varieties that bloom nearly all summer; one of the most showy and popular of these is the Perennial Phlox. Some of the most desirable of the Perennials are the *Astilbe Japonica*, *Dicentra*, Perennial Larkspurs, Perennial Poppies, pinks, peonies, daisies, lilies, day lilies and numerous others; this class also includes some beautiful climbers. Some of these plants are tuberous, like the dahlia, tuberose and gladiolus, some are bulbous like the lilies, and in fact all the bulbous plants belong to the class of Herbaceous Perennials, though they are more specially designated as "bulbous plants." Some of the Herbaceous Perennials are tender. Those which endure the winter in our northern gardens are known as *Hardy Herbaceous Perennials*.

**HARDY  
HERBACEOUS  
PERENNIALS.**

# ASTERS.



ASTER MIGNON

## GIANT EMPEROR

Flowers of great size, very durable, fine form, brilliant color and robust growth, mixed colors 10

## JAPANESE NEEDLE

**A new variety.** Distinct and novel, of pyramidal growth, 18 inches high, with forty or fifty large flowers borne on long stems . . . 15

## LADY

**Lady in White; a new strain,** producing in great profusion beautifully shaped **white** flowers of medium size on plants of graceful habit, and distinctive long leaves. . . 20

White, passing to rose, same as above except in color . . . 25

## MIGNON

Similar in habit to Victoria, but the flowers are smaller, beautifully imbricated; a very perfect form; one of the finest Asters for cutting. White, peach-blossom, light blue, crimson, and mixed . . . 10

## OSTRICH PLUME

**A new class,** with pure white flowers similar to Giant Comet, but with longer petals, plants are more floriferous and of a candleabra habit . . . 25

## IMBRIQUE POMPON

Very perfect; almost a globe and beautifully imbricated; mixed colors . . . 10

## PÆONY-FLOWERED GLOBE

Two weeks earlier than Truffaut's Pæony-flowered, flowers very large; plant branching and strong; does not require support; mixed colors . . . 10

## QUEEN OF THE EARLIES, or Early Market

An improved strain of our own gathering. It is fully three weeks earlier than any other variety. Should be cultivated by all up-to-date florists. Plants dwarf and branching; quite double flowers, valuable for cutting; white, rose, crimson, light blue, dark blue and all colors mixed . . . 10

## QUILLED GERMAN

Hedge-Hog, or Needle. A showy class from one and a half to two feet high, with quilled flowers and branching habit; mixed colors . . . 5

## RAY

This new and desirable class of Asters, with long needle-shaped florets resembling the Japanese chrysanthemums, attain a height of 20 inches, with flowers measuring from four to six inches, on long, strong, branching stems. Pure white and brilliant rose, each . . . 20

## VICTORIA

**New Victoria,** flowers large; habit pyramidal; two feet high; one of the finest; mixed colors or white, light yellow, apple blossom, peach blossom, rose and white, violet, crimson, dark scarlet, rosy lilac, light blue, each . . . 10

**Dwarf Victoria,** the finest class of Half-Dwarf Asters; for size, color, and profusion of bloom it is unsurpassed; mixed colors or dark scarlet, white, rose, dark crimson, light blue, rosy lilac, apple blossom, peach blossom . . . 10

## Astern.

THE ASTER family is divided into numerous classes of varieties, all of which are handsome and worthy of cultivation. Seeds may be sown in the open ground, or started early in the spring in the house or under glass. The large growing varieties of Asters, such as the Pæony-flowered, the Victoria, New Rose and Washington, need to be set as much as a foot apart in good soil, and will quite fill the space. The soil about the plant should be stirred frequently during the summer and a vigorous growth encouraged. The dwarf varieties make beautiful border plants. Annual.

## BALL, OR JEWEL

A new and beautiful class selected from the well known Pæony Perfection race, somewhat dwarfer in habit than the latter with shorter petals; flowers round as a ball.

Apple Blossom, white, deep pink, dark blue or mixed, each . . . 10

## BOLTZE'S DWARF BOUQUET

Each plant looks like a bouquet of flowers; fine for edging or small beds; about twelve different colors mixed . . . 10

## NEW BRANCHING

**Vick's New Branching Aster,** one of the handsomest among all the Asters, blooming late in the season when the other varieties are past flowering. See Novelty pages also.

Pink, white, purple, striped and crimson, each . . . 10

One packet each of the above five for 40 cents.

Mixed Colors . . . 10

Sample's Pink . . . 10

## CHRYSANTHEMUM-FLOWERED

A desirable class, one foot in height; late, and valuable on this account, as well as for its great beauty; mixed colors, or white, rose, fiery scarlet, light blue. . . 10

## COCARDEAU, OR NEW CROWN

Two-colored flowers, the central petals pure white, sometimes small and quilled, surrounded with large, flat petals of a bright color; 18 inches; mixed colors, or separate colors (carmine, violet, blue, deep scarlet, each with white center,) each . . . 10

## DAYBREAK

**New.** Sea-shell pink; two packets 25 cts., each 15

## PURITY.

Pure white; per packet . . . 25

See novelty pages for illustrations and description.



ASTER, BALL OR JEWEL



ASTER, VICTORIA.

**ASTERS—NEW GIANT COMET**

A superb new class, differs from others in its long, wavy, twisted petals, which are formed into a head three and one-half to four and one-half inches across, resembling the Japanese Chrysanthemum, Separate colors, white, rose, light yellow, lilac and white, dark violet, rose and white, azure blue, azure blue and white, white passing to light blue; the Bride, white passing to rose; any three for 40 cents; per packet . . . 15  
Mixed colors . . . . . 10

**LARGE-FLOWERED ROSE**

Two feet in height; robust: large flowers, petals finely imbricated and of great substance; one of the very best; mixed colors, or white, rose, crimson, crimson and white, light blue, purple, and violet; each color . . . . . 10  
Dark Scarlet, new; beautiful and effective . . . . . 15

**PRINCESS ROSALIND.**

Rose colored flowers, plants dwarf, . . . . . 15

**SNOWBALL**

A splendid variety, of dwarf symmetrical habit, not more than 10 or 12 inches in height. The pure white flowers are regularly imbricated, globular in form, of extraordinary size, and are produced in the greatest profusion; excellent for bedding. . . . . 15

**TRUFFAUT'S PÆONY-FLOWERED PERFECTION**

Large, beautiful flowers, petals long, a little reflexed; two feet in height; mixed colors . . . . . 10  
White, rose, rose and white, blood red, crimson, dark crimson, carmine, violet, dark blue, light blue, light blue and white, deep scarlet; each . . . 10

**WASHINGTON**

One of the largest; we have exhibited them five inches in diameter and perfect; plants tall; mixed colors or white, carmine, scarlet, light blue, each . . . 10

**MIXED ASTERS**

All varieties of Asters mixed, ounce \$1.50 . . . . . 5

**AGERATUM.**

*Gebeerbalsam.*

The Ageratum is interesting on account of its neat, erect, bushy habit, and its pretty, brush-like flowers which are produced constantly all through the summer. Seeds may be sown in a mellow seed bed in the open, or under glass early in the season. The plants serve well in carpet bedding. Seeds sown in August will produce plants for winter blooming. Annual.



AGERATUM

- Ageratum conspicuum**, white, 18 inches . . . 5
- Mexicanum**, blue, two feet. 5
- Mexicanum albiflorum**, white flowered, two feet. 5
- Lasseauxii**, compact plant; flowers pink; 18 inches . . . . . 5
- Swanley Blue**, a fine, large flowering, dwarf variety, of recent introduction; flowers deep blue. 10
- Little Dorrit**, a mass of azure blue flowers, six inches high and one foot through . . . . . 10
- Little Dorrit**, white, same as above, except in color of flower . . . . . 10
- Mixed varieties** . . . . . 5

**ABRONIA**—The Abronias are trailing plants with prostrate branches bearing clusters of sweet-scented flowers very much like Verbenas. They are natives of California. The seeds should be started under glass, first removing the husky covering. Annual.

- umbellata**, rosy lilac, white eye . . . . . 5
- arenaria**, waxy yellow . . . . . 10

**ADONIS**—Flos Adonis, sometimes called Pheasant's Eye, has fine foliage, and brilliant scarlet flowers. It will do well in partial shade and may be used to advantage in any corner of the garden. Twelve to eighteen inches in height. It blooms in early summer.

- æstivalis**, scarlet. Annual. . . . . 5
- Vernalis**, Perennial. Flowers yellow . . . . . 5

**ACROSTEMMA**—Annual. Mixed varieties . . . . . 5

**ANACALLIS**—grandiflora superba, mixed colors . . . . . 5

**ASPERULA odorata**.—Snowy white. Perennial. Very sweet when dried, diffusing an odor like spring grass. If kept among clothes it imparts an agreeable perfume to them; also used largely by the Germans in a beverage called "Maitrank" . . . . . 5

**azurea setosa**. Annual; sweet scented; sky blue, fine for bouquets . . 5



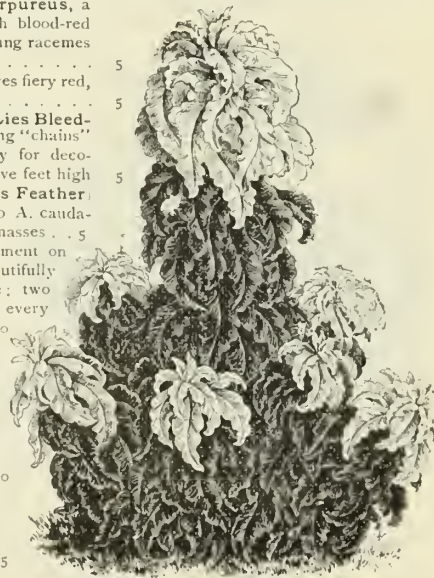
ASTER, COMET.

**AMARANTUS.**

*Smaranth.*

Our warm summers suit admirably the varieties of Amaranthus cultivated for ornament. These are plants which are striking on account of their foliage or peculiar mode of bloom. In rich ground the plants and leaves are of large size but the coloring is apt to be less bright. The seed can be sown in the house, in a hotbed, a coldframe, or in a seed bed in the garden, and the plants transplanted into place, or the seeds can be sown where the plants are to stand if the soil is fine and the spots are protected until the plants appear. The plants should be given sufficient space to develop on all sides. Annual.

- Amarantus atropurpureus**, a fine variety, with blood-red foliage and drooping racemes of flowers . . . . . 5
- bicolor ruber**, leaves fiery red, maroon . . . . . 5
- caudatus** (**Love Lies Bleeding**), long drooping "chains" of flowers; pretty for decorating; four to five feet high . . . . . 5
- cruentus** (**Prince's Feather**), flowers similar to A. caudatus, but in erect masses . . 5
- Henderi**, improvement on A. salicifolius; beautifully variegated foliage; two feet; should be in every collection . . . . . 10
- Sunrise**, the most brilliant of the family. Top of plant brilliant crimson, the lower leaves dark maroon . . . . . 20
- tricolor**, (**Joseph's Coat**) red, yellow and green foliage; two feet . . . . . 5
- All varieties mixed** . . . . . 5

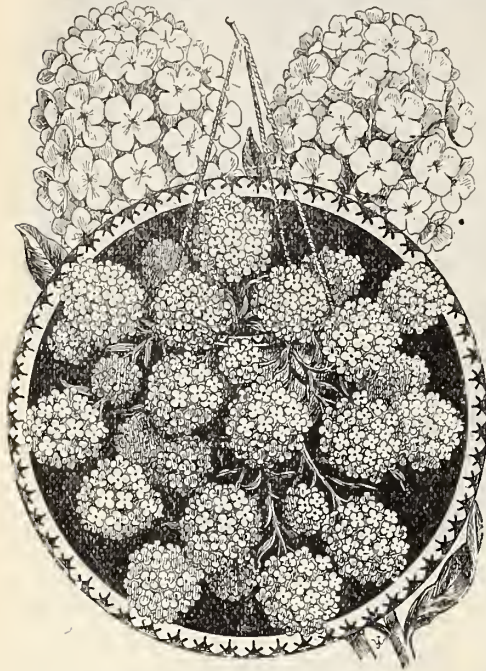


AMARANTUS SUNRISE

**ALYSSUM.**

*Steinfrant.*

Every garden should have plenty of Sweet Alyssum; its small white flowers, borne in great profusion, are delicately fragrant and valuable for cutting; it is a



SWEET ALYSSUM IN HANGING BASKET.

good basket and pot plant, and valuable for carpet bedding. In the border sow thickly so as to make a mass. It is desirable to sow the seeds early in spring or even in the previous autumn. To prepare a basket for winter blooming, sow the seeds about the last of August. If the plants come up thickly thin them out; a dozen plants are enough for a good sized basket. When out of bloom cut back and they will produce another crop of fine flowers.

**Alyssum, Sweet,** hardy annual; flowers small and sweet; one foot; ounce 30 cents . . . 5

**Benthami compactum** (Little Gem) a

new dwarf, compact annual variety, not over six inches high, bearing its pure white fragrant flowers in greatest profusion during the entire summer; ounce 50 cents . . . 5

**Carpet of Snow,** pure white, only two to three inches high, a profuse bloomer, showing as many as 300 heads of snow-white flowers at one time on one plant. Annual . . . 10

**Wierzebeckii,** hardy perennial, yellow; one foot . . . 5

**saxatile compactum,** perennial, ten inches high, compact habit, golden yellow flowers. The popular name is Gold Dust . . . 5

**AQUILEGIA.**

*Affelen.*

The well known Columbine or Wild Honeysuckle. Thrives well with ordinary garden culture, but is quite at home under the spray of a fountain or by the water side. The plants form large clumps from one to two feet in diameter, and produce a large number of flowers. Flowers early in spring. Seeds may be sown in open ground. Plants can be increased by division of root. Perennial.



AQUILEGIA

**Aquilegia, Carnation or Striped** white, with red stripes; double **leptoceras chrysantha,** the beautiful, large-flowered, canary-yellow variety, obtained first from Arizona. Excellent . . . 5

**Skinneri,** very beautiful; colors scarlet and yellow . . . 10

**coerulea,** flowers very large; sky-blue and white . . . 10

**glandulosa vera,** large, erect flowers; blue, pure white corolla

**Mixed varieties,** single or double, each . . . 5

**New Large-flowering Hybrids,**—Large yellow, orange spurs 15  
Sulphur yellow, with blue spurs . . . 15

**ARCEMONE**—Hardy annuals, mixed . . . 5

**ANTIRRHINUM. Snapdragon.**

*Göwenmaul.*

The Snapdragon, (Antirrhinum) is easily raised from seed sown early in spring in warm dry soil. If the plants are not weakened by blooming too much the first year they will stand over winter. In poor dry soil they bloom best and last longer. A few leaves scattered over the plants will give a little protection in winter. To produce good flowering branches for the second season, cut back a number of the branches in midsummer about one-half or two-thirds; then new shoots start out which are ready to bloom the following spring.

**Antirrhinum, Brilliant,** scarlet and yellow:

**Carnation Striped,** irregularly striped;  
**Firefly,** orange and scarlet, with white throat; **Galathea,** crimson, throat white, large; **Luteum,** yellow; **Papilionaceum,** blood red, throat pure white; **White.** Seven varieties, each . . . 5

**Fine Mixed,** ounce 50 cents . . . 5

**Extra Fine Mixed,** from selected show flowers . . . 10

**Tom Thumb,** about six inches high, mixed colors . . . 10

**New Giant Flowered,** yellow and orange; yellow with red stripes; mixed colors; each . . . 10



ANTIRRHINUM

**ARABIAN PRIMROSE.**

**Arnebia cornuta.** A beautiful annual, one plant often producing from 100 to 150 spikes of charming flowers over three-fourths of an inch across, of a rich primrose yellow, regularly marked with fine black spots. The spots change on the second day to a rich maroon, and on the third day vanish, leaving the flower a clear bright yellow. Excellent for cutting. Bushy form, two feet high . . . 20

**BIRD OF PARADISE.**

**Poinciana Gillesii.** (Annual.) A very attractive and peculiar plant, with large, bright golden yellow flowers, produced in large trusses; the pistils are spread out in fan shape, and are a brilliant crimson. The foliage is very beautiful and highly decorative, similar to an Acacia. Start seeds early for a profusion of bloom the first season . . . 10

**BRACHYCOME.**

*Sturzshoff.*

**Swan River Daisy.** A charming flower in white and blue varieties. The plants grow about eight inches in height and bloom freely. Seeds may be sown in the open ground after the weather is warm, or in the house and transplanted. Flowers are fine for cutting. Annual.

**Brachycome iberidifolia.** Blue; white; separate or mixed . . . 5

**BEGONIA VERNON**—A charming variety, distinguished by the splendid coloring of its foliage and flowers; the latter are a bright orange-carmine, contrasting beautifully with the foliage, which at first is green, but when exposed to the sun changes into a very deep red with metallic hue. Seed sown in winter or early spring will produce blooming plants in summer. If the plants are potted in autumn they will bloom in winter . . . 10

**BARTONIA**—*aurea*, 18 inches in height. Half-hardy annual . . . 5

**BROWALLIA**—Half-hardy annual. Mixed . . . 5



BRACHYCOME.



# BALSAM.

## Balsaminen.

The garden Balsam is a native of India, and likes a bright sun and warm weather. The seeds should be sown in the house, the hot-bed, cold-frame, or in a warm, sheltered spot in light soil in the garden, after the ground has become warm. The seeds quickly germinate and the young plants make a rapid growth. When they are an inch or two high transplant the seedlings four or five inches apart, so that they may have light and air on all sides, and by the time they are about four inches high transplant to their permanent place. Set the plants at least a foot apart, in soil that has been well enriched. Annual.

- Balsam, Improved Camellia-flowered, New White Perfection . . . . . 15
- Improved Camellia-flowered, flowers very large, extra double, superb strain; mixed colors . . . . . 10
- Camellia-flowered, White, double . . . . . 10
- Camellia-flowered, Deep Blood Red, very double; extra fine . . . . . 15
- Camellia-flowered, Spotted, very double; spotted with white; mixed colors . . . . . 10
- Camellia or rose-flowered, very double, perfect form; mixed colors . . . . . 10
- Carnation, double; striped like the Carnation . . . . . 10
- Solferino, white, striped and spotted with red . . . . . 10
- Common Double, occasionally only semi-double; ounce 40c. . . . . 5

# CELOSIA.

## Sahnenkamm.

Celosias are interesting and brilliant annuals, and when well grown from seed of good quality never fail to please the grower and attract attention. There are two desirable forms of the Celosia, the Cockscomb and the Feathered. There are several colors, red, orange and yellow, but the bright reds are the best. These combs are often grown a foot or more across the top. Vick's Japan

Cockscomb far excels every other variety in the varied forms and beauty of the combs and the brill-

liancy of their color. The Feathered Celosia has feathery plumes of great size and beauty. Our *Celosia superba plumosa* is the best of this class in cultivation, and comes true from seed.

- Celosia Japonica*, Vick's Japan Cockscomb, entirely distinct and very beautiful . . . . . 10
- Empress. Beautiful dwarf, bright purple combs and dark foliage . . . . . 10
- Crimson Giant, one of the largest and brightest Cockscombs . . . . . 10
- Glasgow Prize, fine dwarf, dark leaves and crimson combs . . . . . 10
- superba plumosa*, superb feathered, bright crimson . . . . . 10
- All Varieties Mixed . . . . . 10



BALSAM

# CANNA.

## Blumenschroh.

The seed shells are round, the size of a good sized bullet, hence the name of Indian Shot; they are very hard. Pour quite a quantity of scalding water on them after planting. The second year will give good seed plants. Annual.

- Canna Indica (Indian Shot) rubra red . . . . . 10
- President Faivre, fine dwarf, dark-leaved variety . . . . . 10
- Crozy's New Hybrids, saved by Mr. Crozy from the handsomest of his new introductions. Most of them are dwarf in habit; early bloomers and remarkable both for beauty and size of flower and foliage . . . . . 10
- Madame Crozy, brilliant vermilion scarlet, bordered with deep golden yellow . . . . . 10
- Selowii, scarlet, profuse bloomer . . . . . 10
- Dark-leaved varieties mixed . . . . . 10
- Alphonse Bouvier, brilliant crimson, foliage green . . . . . 10
- Queen Charlotte, crimson-scarlet, bordered with gold . . . . . 10
- Jules Chretien, yellow, splashed with orange . . . . . 10
- Mixed varieties; ounce 20c. . . . . 5

(See other pages for bulbs and plants of Cannas.)

**COLLINSIA** is a free-flowering, hardy annual, the flower stalks being one foot to eighteen inches in height. The flowers are in whorls, handsome and interesting. Seed may be sown in open ground in the spring or in the fall. Mixed varieties . . . . . 5

# CASSIA.

## The Partridge Sensitive Pea.

The plant, raised from the seed, grows from twelve to eighteen inches in height, with compound leaves, which like those of *Mimosa pudica*, are sensitive to touch, drooping and folding together. Flowers are large, of a canary yellow, two of the petals being purple spotted at the base. They are borne on stems from two to five in a cluster, and produced freely until destroyed by frost. Annual. Price 10 cents per packet.

# CENTAUREA.

## Flodenblume.

The Centaureas form a large family and are perfectly hardy annuals.

*Centaurea Americana*, lilac purple. . . . . 10

- Cyanus, (or Bachelor's Button, Corn Bottle, and Ragged Sailor) native of Europe, known in Germany as the Kaiser-Blumen and Corn Flower. The late Emperor William's favorite flower; various colors mixed . . . . . 5
- Victoria Dwarf Compact, miniature Centaurea, a charming new variety for pots and edgings . . . . . 10
- Emperor William, fine dark blue . . . . . 10
- Pure White . . . . . 10
- Flora Plena, semi-double . . . . . 10
- Marguerite, new, pure white, very large, sweet-scented flower. Excellent for cutting . . . . . 15
- Chameleon (new) Yellow and Rose, large, sweet scented flower. Fine for cutting . . . . . 15
- White and blue, Blue-black, Rose, Brick red, Light blue. 5 colors, each . . . . . 5
- Sweet Sultan, mixed varieties . . . . . 5 | New Varieties Mixed . . . . . 10



**CALLIOPSIS.**

*Erdbeugeicht.*



The plants are usually two or three feet in height, of slender habit and rapid growth and should be given plenty of room to spread. The flowers are of various shades of yellow, orange and rich reddish brown. The seeds grow very readily and they may be sown where plants are to flower. Annual.

- Calliopsis lanceolata**, one of the best golden yellow for cutting . . . . . 10
- Coronata**, very showy large yellow flower. . . . . 5
- Drummondii** (Golden Wave). Plants bushy and compact, covered with rich golden yellow flowers, chestnut-brown center . . . . . 5
- Grandiflora**. Is very large, golden-yellow, fine for cutting . . . . . 10
- Extra choice mixed**, from named flowers . . . . . 10
- Mixed colors** . . . . . 5
- DWARF OR TOM THUMB**. Golden King, fine for cutting . . . . . 10
- Bicolor** . . . . . 5
- Atrosanguinea** . . . . . 5
- Mixed** . . . . . 5

**CACALI.** (Flora's Paint Brush), annual, half-hardy, with tassel-like bloom. *coccinea*, scarlet . . . . . 5  
*coccinea flore-luteo*, yellow . . . . . 5

**CATCHFLY.** (*Silene*). A bright colored, free flowering annual, largely grown for spring flower gardening, suitable for rock-work or open border. They succeed in any light, loamy soil. White, red and and rose mixed . . . . . 5

**CENTRANTHUS.** The flowers of *Centranthus* are small, borne in clusters on light green, almost transparent stems. They form beautiful masses for borders, and for bouquets or other floral work are excellent. Mixed varieties . . . . . 5

**CENTROSEMA VIRGINIANA.** Formerly sent out as *Centrosema grandiflora*. It is a low climber, usually about 2 feet high, but under favorable conditions and rich soil, running up to 5 feet. Leaves trifoliate; flowers large, purple, pea shaped, very handsome. Seed should be sown under glass or in the house early in spring and the plants hardened off and planted out early. By good care they will come into bloom in July, continuing through August. Plant is perennial, and with proper care may be kept or years . . . . . 10

**CONVOLVULUS.**

*Zwergwinde.*

Everyone is acquainted with the old Morning Glory, *Convolvulus major*, but the dwarf Morning Glory, *Convolvulus minor* is not as well known. It has a low-growing or trailing habit, and its appearance may be seen in the engraving. Each plant covers a space of two feet or more in diameter. The flowers are about



CONVOLVULUS MINOR.

two-thirds the size of those of the Morning Glory, and a bed of them forms a beautiful mass.

- Convolvulus minor**, annual, mixed colors, oz. 15 cents . . . . . 5
- Mauritancius**, perennial, blooms the first season from seed; desirable for hanging baskets, bearing lavender blue flowers . . . . . 10

**CALANDRINA grandiflora**, rose; annual . . . . . 5

**CAMPANULA.** *Glaedenblume.*

The well-known, popular, large, bell-shaped flower, known everywhere as Canterbury Bell is a biennial *Campanula*. There are double varieties of every color, but though curious, are not really so beautiful as the old single bell. They lose that light transparent grace that is so attractive in a flower.

**Campanula carpatica**, perennial, blue and white mixed . . . . . 5

**Medium** (*Canterbury Bell*), flowers large, plant two feet high, single varieties mixed . . . . . 5

**Double varieties**, mixed . . . . . 5

**Cup and Saucer** (*calycanthema*). Biennial. Beautiful flowers, 3 inches long, saucers 3 to 4 inches across. Plants form complete pyramids of bloom about 2 feet high, and frequently bear 150 blossoms for weeks during the early summer . . . . . 10

**grandiflora**, perennial, large deep blue . . . . . 10



CUP AND SAUCER CAMPANULA

**CLEOME SPECIOSISSIMA.** Annual. Sometimes called Spider Flower . . . . . 5

**CANDYTUFT.**

Candytufts have long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom. Sow in rows 6 to 8 inches apart and thin out the plants so that those remaining will have plenty of room. The soil should be rich, and when blooming time comes keep the plants well watered, especially if it be a dry time. The plants are very branching, and it is essential at times to prune away some of the shoots in order to increase the size of the flower. The Rocket Candytuft grows in compact spikes; the new dwarf varieties are only about six inches in height and their season of bloom is very long.

**Candytuft**, purple, white, Rocket, sweet-scented, flesh, extra dark crimson, each oz. 30 cents . . . . . 5

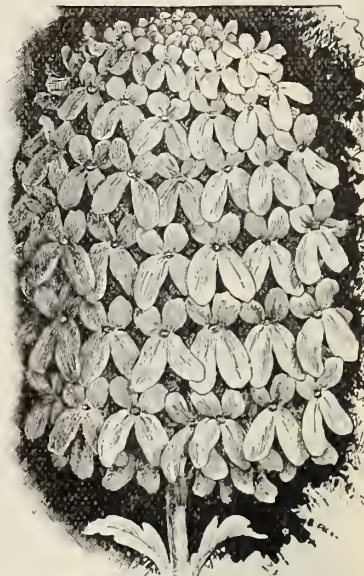
**New Carmine**, true to color . . . . . 10

*Collection, separate colors of above varieties* . . . . . 30

*Mixed colors of above seven varieties*, ounce 25 cents . . . . . 5

**New Dwarf Hybrid**, six inches high, blooms entire season, fine for edging, mixed colors . . . . . 10

**Empress**, pure white, new, large size, finest variety in cultivation. Strong, free grower, 18 inches high, produces large trusses of flowers 5 to 8 inches long, and 2 1/2 to 3 inches diameter, individual flowers of large size. Sow seed under glass, thus obtaining strong plants to set in open ground when soil is warm. Set plants 4 inches apart. Ounce, 50 cents . . . . . 10



EMPRESS CANDYTUFT.

**CALENDULA.** The well-known Pot Marigold, valued by Europeans for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round. Seeds can be sown in early spring in open ground.

**Calendula, Double Sulphur.** An improved Pot Marigold, 1 foot high, very large, extremely double flowers, color light lemon yellow . . . . . 5

**Prince of Orange**, fine, intense orange . . . . . 5

**Meteor**, handsome, double and beautifully striped, petals have a creamy center edged with orange yellow . . . . . 5

**Mixed varieties** . . . . . 5

**CHRYSANTHEMUM.**

*Chrysanthemum.*



The glorious and showy autumn-blooming Chrysanthemums, now so much admired and cultivated, have their relatives among summer annuals which are easily raised from seed. Plants can be raised by sowing the seed early in the house or frame and planting them out when the weather is favorable, or the seeds can be sown in an open seed-bed, or where the plants are to stand, provided the plants are thinned out to eight or twelve inches apart. A little shade, or shade in the after part of the day, is desirable for them. Pinch them back until July 15 to make them grow branching and full.

**ANNUALS.**  
Single Varieties  
*Chrysanthemum*  
**Golden Feather**, plants semi-dwarf with yellow foliage, mixed colors . . . . . 5

**CHRYSANTHEMUM**  
Mixed Single Annual Varieties . . . . . 5

**ANNUALS—Double Varieties.**  
Double White; Double Yellow; Double Mixed, each . . . . . 5  
**Carinatum Plenissimum**, Foliage yellow. A notable addition to the golden-leaved annual chrysanthemum. The large and double flowers are of all colors, the red shades being especially represented . . . . . 20

**PERENNIALS—Single Varieties.**  
**Marguerite** or Paris Daisy, one foot, pure white . . . . . 10  
**PERENNIALS—Double Varieties.**

**Maximum Filiforme**, New variety, having long thin florets of pure white with yellow disk. Long stems; highly prized for cutting . . . . . 20  
**Maximum Triumph**, Magnificent variety with large flowers about 4 inches in diameter. Fine for bouquets . . . . . 20  
**Japanese Ostrich Feather** . . . . . 15  
**Early Flowering Japanese**, (Delaux) . . . . . 15  
**Green House Varieties**, Mixed seed selected from choice collection . . . . . 20

**CLARKIA.** Very pretty free flowering, and of easy culture. A bed of these early spring flowers for cool or shady places is quite desirable. They are also useful as edging plants or for vases and hanging baskets; one to two feet, in variety of bright colors.  
Double, best varieties, mixed . . . . . 5  
Single . . . . . 5  
**CRUCIANELLA STYLOSA.** Perennial . . . . . 5



**COSMOS.**

**CARNATION.**

*Caryophyllus.*

**From Extra Choice German Seed.**

Seed may be sown under glass in the spring, or in the open ground, and the second summer the plants will flower. Young plants are perfectly hardy; but when old they are injured in the winter. A succession of young plants should be procured, either from seeds or from layers, every year. Layering should be done in mid-summer; simply cut a slit in a young shoot to obstruct the flow of sap and then remove the earth a few inches in depth and press down the branch so that the slit will open, and cover it with soil. Roots will push out where the cut was made, and thus a new plant will be formed. Perennial.



**Carnation, Marguerite, Early Flowering.**

This class excels in all respects; it is the most profuse bloomer of any of the "Pinks." Exquisite in color, showing beautiful shades in white, red, pink, variegated, etc. Large size, perfect form, dwarf habit, compact and robust; flowers in a few weeks from seed. They can be potted and taken in the house and will flower abundantly throughout the winter. Red, White, Striped, Rose and Yellow Ground. Each . . . . . 20  
Mixed . . . . . 10

**New Giant Large Flowering Marguerite.** A new large flowering strain, same as above Marguerites, but with flowers much larger. Mixed . . . . . 20

**Early Flowering Dwarf Vienna.** An excellent class. Fine mixed, ounce \$2.00 . . . . . 15  
Pure White, very fine . . . . . 25

**Earliest French.** (Chabaud Carnation.) New hardy class, combining the perfection of flowers of the perpetuals with the earliness of Marguerite carnations. Excellent . . . . . 20  
**German Seed** from named flowers . . . . . 20  
**Choicest, Picotee**, with white ground . . . . . 25  
**Choicest, Picotee**, with yellow ground . . . . . 25  
**Extra Italian Seed**, saved from prize flowers only . . . . . 35

**COSMOS. Cosmos.**

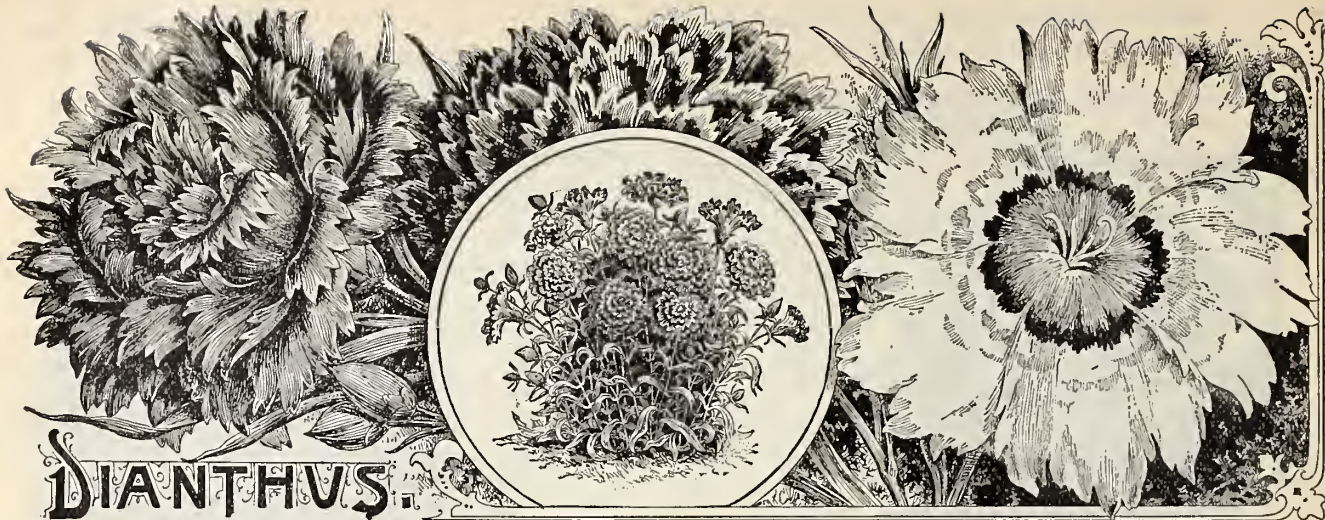
A strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in April or May and transplanted to open ground will produce plants three to five feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across; they are of various shades from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. Annual.

**Cosmos, Mammoth Perfection.** A vast improvement over the old sort; flowers are double the size, the petals being broader and overlapping, forming a perfectly round flower. Fine for cutting for bouquets and vases, keeping several days in water and lasting out doors until cut down by frosts. The foliage is one mass of feathery emerald-green. If grown in pots and housed by the end of September they will flower all winter.

Pure white; Pink; White tinted with rose; Carmine; Crimson; each . . . . . 10  
**Mammoth Perfection Mixed** . . . . . 10  
Fine Mixed . . . . . 5

**Dawn, New Early Dwarf, Large Flowering.** A new variety; more bushy and compact than the older varieties and grows only about four feet while all others attain a height of six to seven feet. The flowers are fully as large as those of the old sort, are a pure white with a tinge of rose, the petals are rather broader which causes the flowers to appear more round. They commence to bloom in July and last until frost. . . . . 15

**CREPIS.** Hardy annual, mixed . . . . . 5



# DIANTHUS.

Chineser-Ketter.

Dianthus known as Chinese Pinks and Japanese Pinks are among the most brilliant of our garden flowers, and are worthy of particular care. Tall sorts are from twelve to fifteen inches in height; those of the dwarf varieties are only a few inches high, making good pot plants. Seeds can be sown under glass in the spring, or in an open, sheltered bed; they are easily transplanted, and should be set from eight to twelve inches apart—the dwarf varieties about six inches. Bloom the first summer, and also the second if protected in the winter.

Double Chinensis or Indian Pink, best variety mixed, ounce 40 cents . . . 5

## HEDDEWIGII—Single.

- Dianthus, The Bride, or Little Gem, white with purple center, dwarf, a perfect little gem. Profuse bloomer . . . . . 10  
 Crimson Belle, brilliant dark red; very handsome . . . . . 10  
 Eastern Queen, an exquisite rose color . . . . . 10  
 All Colors, Mixed . . . . . 5

## HEDDEWIGII—Double.

- Mourning Cloak, rich blackish crimson, tipped and fringed with snowy white, large and handsome . . . . . 10  
 Diadem Pink, one of the most marked of the Heddewigii varieties; brilliant markings and dazzling colors; mixed . . . . . 10  
 White, large double flowers . . . . . 10  
 All Colors, Mixed . . . . . 5

## DOUBLE IMPERIAL PINK.

- White and Red Striped . . . . . 5  
 White and Purple Striped . . . . . 5  
 Blood Red . . . . . 5  
 White . . . . . 5  
 All Colors, Mixed . . . . . 5

## DELPHINIUM—(Larkspur.) Bittersyorn.

### ANNUAL VARIETIES.

Beautiful plants, generally known as Larkspurs. They prefer a cool soil and season. Sow seed in fall, or early in spring. Branching varieties grow two feet high and should be planted 18 inches apart. The Rockets should be set in rows five or six inches apart.

- Delphinium, Double Dwarf Rocket, mixed colors, ounce 25c . . . . . 5  
 Tall Rocket, large plant; very showy. 5  
 Stock-flowered, double, branching, fine for cutting; mixed colors . . . . . 5  
 candelabrum, one foot; flowering late. 10  
 Emperor Larkspur, compact; brilliant; mixed . . . . . 5  
 One package each of the above 25c.

### PERENNIAL VARIETIES.

The perennial Delphiniums are valuable plants; foliage clean and pretty, habit strong and good; flowering branches often four feet high, flower spikes six inches or more in length. Propagated by division of roots and from seed. Sow seed in spring, and strong plants will be produced by fall that will flower next spring.

- Delphinium formosum, brilliant blue, white eye . . . . . 5  
 celestinum, "Pillar of Beauty" celestial blue; flowers large; spikes long . . . . . 5  
 nudicaule, beautiful bright scarlet; native of California . . . . . 5

### PERENNIAL DELPHINIUM.

- Chinese, fine; blue, white and pink, mixed . . . . . 5  
 Zazil, Hardy Yellow Larkspur. A lovely shade of sulphur-yellow, bearing spikes of forty to fifty blossoms each, one inch in diameter . . . . . 10  
 New varieties mixed . . . . . 10

## LACINIATUS.

- Salmon Queen, single. A very distinct and perfectly new tint, the most brilliant salmon color imaginable, changing into a rosy salmon . . . 10  
 Single, All Colors, Mixed . . . . . 5  
 Double, All Colors, Mixed . . . . . 5  
 Heddewigii and Laciniatus, both double and single, Mixed . . . . . 5

## HARDY PINKS.

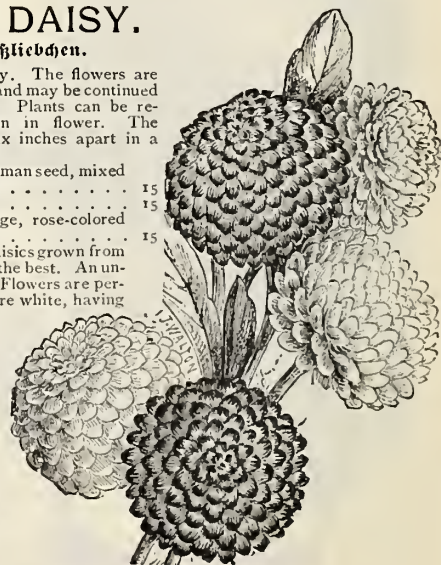
- Plumosus, Pheasant's Eye, or June Pink, sometimes called Grass Pink; fine for massing. Closely related to the Carnation, but smaller flowers and more hardy. Flowers beautiful and fragrant. Perennial. Plants are hardy until they become old. It is best to keep a few young plants coming on. Single variety, mixed . . . . . 5  
 Plumosus, Pheasant's Eye, or June Pink, double . . . . . 10  
 Cyclops Pink. A new variety of Scotch Pink, producing an entirely new series of colors of exquisite beauty, enlivened by a large eye of velvety blood red. Has a sweet clover-like perfume. Single . . . . . 20  
 Cyclops Pink, double . . . . . 20  
 Semperflorens, Florists' Perpetual Pink. Very sweet scented double, semi-double and single flowers. Great diversity of colors . . . 20  
 All of these varieties have large flowers, brilliant colors and handsomely marked. The plants are of easy culture, blooming freely and for a long time with proper care.

## DOUBLE DAISY.

### Gefülltes Maßliebchen.

Sow the seed very early. The flowers are abundant in early spring, and may be continued later by the use of water. Plants can be removed safely even when in flower. The plants should be about six inches apart in a cool border. Perennial.

- Double Daisy, best German seed, mixed colors . . . . . 15  
 White, constant . . . . . 15  
 Longfellow, fine, large, rose-colored flowers . . . . . 15  
 Snow Ball. Of all Daisies grown from seed this is decidedly the best. An unusually large type. Flowers are perfectly double and pure white, having stiff, long stems; valuable for cutting for bouquets. Price, two packets for 25 cents . . . . . 15



**DATURA.** Large, strong-growing plants, trumpet-shaped flowers, white, sometimes tinted with blue. Roots can be preserved in the cellar, like Dahlias. Three feet in height; set three feet apart.

- Wrightii, is one of the best, white . . . . . 5  
 Mixed varieties . . . . . 5

**DIGITALIS. Fingerhut.**

**FOXGLOVE**—The Digitalis is quite a stately plant when well grown, with flower stems at least three feet in height. It is a fine plant for the mixed border, or planted singly near a walk or drive. The racemes of flowers are often two feet in length, containing scores of the prettily spotted thimble-shaped flowers. Perfectly hardy, and seed may be sown in the spring in the garden and transplanted as desired. Perennial.

Mixed Varieties . . . . . 5

**EMMENANTHE PENDULIFLORA.**

California Yellow Bells.

The Yellow Bells of California, as it is called, form a broad bush 18 inches to two feet high. Each of its numerous branches is fairly loaded with bell-shaped pendulous flowers, a half inch long, and of a delicate cream color. The flowers are almost everlasting, the persistent corolla drying and retaining its shape until the seed has ripened. The seed may be sown where they are to grow in mellow soil early in spring, or as soon as frosts are past. Annual.

California Yellow Bells . . . . . 10

**EUPHORBIA.**

Balsamichpflanze.

**Euphorbia heterophylla.** Known as "Fire on the Mountain," "Mexican Fire Plant," "Annual Poinsettia,"

Bushy plants three to four feet high, with highly ornamental leaves, which become flared with dark fire-scarlet, leaving only a small tip of green. Easy of cultivation, growing in places fully exposed to the sun, which brightens and hastens the coloring. It can also be grown in pots and then moved about at pleasure, and interspersed with palms, etc., the effect is fine. Annual . 10

**Euphorbia Marginata,** two feet in height; leaves light green and white margined; called "Snow on the Mountain." Annual . . . . . 5

At these prices the goods are delivered (except when noted.)

**CLAUCIUM CORNICULATUM.** (Horned Poppies.)

Leaves silvery white, something like "Dusty Miller." Hardy . . . . . 5

**CEUM ATROSANGUINEUM FL. PL** . . . . . 10

**HEDYSARUM.** Perennial, scarlet . . . . . 5

**HONESTY PURPLE.** Lunaria biennis is a plant that is known as Honesty . . . . . 10

**ESCHSCHOLTZIA.**

Eschscholtzie.

(CALIFORNIA POPPY.)

This is California's lately chosen State flower, now well known as California Poppy. The plants grow to about a foot in height; the leaves are of a grayish green color, finely cut and divided. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom. Annual.

**Eschscholtzia, Cross of Malta.** Foliage silver-gray with large flowers of bright yellow, with a broad, dark orange cross, in the shape of the Cross of Malta . . . . . 5

**Mandarin.** Large flowers, inner side of petals a rich orange, the outside a very brilliant scarlet . . . . . 5

**Golden West,** a new and beautiful variety originating in California; color, light orange yellow . . . . . 10

**Rose Cardinal.** A charming variety, producing freely, large intense carmine flowers . . . . . 10  
**Orange, yellow and white,** separate colors, each . . . . . 5  
**Double Orange** . . . . . 10  
**Double White** . . . . . 10  
**All varieties mixed, single** . . . . . 5



ESCHSCHOLTZIA, OR CALIFORNIA POPPY.

**GAILLARDIA. Gaillardie.**

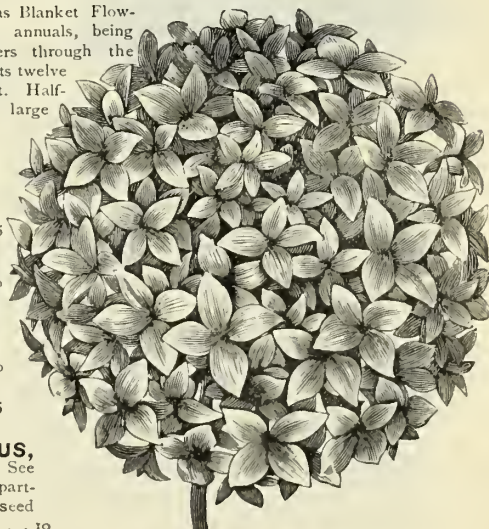
Gaillardias, known as Blanket Flowers, are good bedding annuals, being strong, constant bloomers through the whole summer. Set plants twelve to eighteen inches apart. Half-hardy. Head of flower large and showy.

**Gaillardia Picta** **Lorenziana,** fine double variety; heads two inches in diameter. Annual . . . . . 5

**Aurora.** Double, red tipped with yellow, large fine flower 10

**Grandiflora,** perennial; large, brilliant flowers; excellent for cutting; mixed varieties . . . . . 10

**Mixed single varieties, annual** . . . . . 5



**HARDY HIBISCUS, Crimson Eye.** See description in Plant Department. Flowers from seed the second season. . . . . 10

**GILIA.**

*Gilien.*

Gilias are free-flowering, hardy annuals, one foot to eighteen inches high, with finely cut foliage and clusters of small, delicate flowers, white, lilac and rose color; desirable for cutting and suitable for beds, rock work and edgings. Seed should be sown in the open ground, but if transplanted remove when small.

Gilia, mixed colors . . . . . 5

**GREVILLEA ROBUSTA.**

**Silk Oak.** A very beautiful and graceful foliage plant, highly valued for table decorations. See illustration in Plant Department. . . . . 10

**GYPSOPHILA.**

*Gypsöphilie.*

Gypsophilas are valuable for bouquet-making, either green or dried. They are very graceful and easily cultivated. Should be in every garden. All flower the first season. Paniculata continues to bloom several years.

**Gypsophila elegans**, hardy annual; white; six inches . . . . . 5  
*muralis*, beautiful, hardy; six inches, forming a dense mass; blooms profusely; flowers pink; fine for edging . . . . . 5  
*paniculata*, perennial; white; fine for cutting . . . . . 5

**GODETIA.**

*Godetie.*

The Godetias are profuse and constant bloomers, and their delicate tints of crimson, rose and white render them very attractive. Seeds may be sown in the open ground, but better sow in a cold-frame. Set plants a foot apart. Annual.

**Godetia Gloriosa.** Large satiny, brilliant deep blood red flowers. It is without doubt the darkest colored of all Godetias and produces a gorgeous effect by the wonderful brilliancy of its flowers . . . . . 10

**The Bride.** Pure white with bluish spots . . . . . 5

**Best varieties mixed** . . . . . 5

**INCARVILLIA DELAVAYI.** See Novelty pages . . . . . 25



GODETIA.

**HELIOTROPE.**

Seed sown early in the spring in the house will make fine plants for summer bedding. The exquisite perfume is well known.

**Heliotrope, Dr. Livingston.** Fine dark blue clusters . . . . . 10  
**Louise Delaux**, rose tinted flowers . . . . . 10  
**Queen Marguerite**, bearing immense clusters of large deep dark blue flowers, with an exceptionally rich and spicy perfume. . . . . 20  
**White Lady**, large pure white fragrant flowers . . . . . 10  
**All Varieties, Mixed** . . . . . 10

**LEPTOSIPHON.** Hardy annuals . . . . . 5

**LINARIA.** Hardy annual, resembling the Snap-dragon; mixed varieties . . . . . 5

**LINUM.** Common Flax. Seed may be sown either under glass or in the garden. Blue . . . . . 5  
*grandiflorum rubrum.* Half-hardy annual, bright crimson . . . . . 5  
 mixed varieties . . . . . 5

**LYCHNIS.** To obtain good flowers the first summer, start under glass and transplant as early as possible.

**Chalcedonica**, bright scarlet; perennial . . . . . 5  
**Chalcedonica, fl.-albo**, white; perennial; two feet . . . . . 5

**HOLLYHOCK.**

*Räve.*

In situations suitable for tall flowers we know of nothing better than the Hollyhock; and yet the improved varieties do not grow very high—from four to six feet being about the average. New plants are obtained from seed and by dividing the root. Seeds sown in the summer will give plants that will endure winter. The plants may be protected during winter with a little straw and evergreen boughs, or leaves. Biennial.

**Hollyhock, double,** very double and fine, from the best named collection in Europe . . . . . 10

**New Fringed Mammoth Allegheny.** This grand new flower is a decided improvement on the old-fashioned single Hollyhock. Flowers single, transparent, fringed. Chrysanthemum shaped, seldom less than 5 inches and often 7 inches across. Perpetual bloomer; has from two to four buds, where old style had only one. All colors, mixed . . . . . 15

**IPOMOPSIS** . . . . . 5

**LUPINUS.** Lupin Called Sun Dials. Hardy; mixed colors, 10z. 20 . . . . . 5



**LOBELIA.**

*Lobelia.*

One of our finest plants for edgings and baskets. All are annual excepting *cardinalis*, which is hardy.

**Lobelia cardinalis**, our native Cardinal Flower; spikes of brilliant scarlet; blooms first year if well started with neat. Perennial . . . . . 10

**Barnard's Perpetual.** This is without doubt the finest Lobelia ever introduced. Flowers are a brilliant deep blue with a white eye . . . . . 10

**Crystal Palace compacta**, dark blue, the best for edgings and carpet-bedding. Annual . . . . . 10

**Emperor William**, light blue, compact, very fine. Annual . . . . . 10

**erinus erecta compacta**, deep, rich blue. Annual . . . . . 10

**erinus erecta alba**, white. Annual . . . . . 10

**erinus gracilllis**, blue, fine for baskets or trailing purposes . . . . . 10

**hybrida grandiflora**, large, dark blue flowers, with white eye. Annual . . . . . 10

**Prima Donna.** Dwarf, compact; rich velvety maroon flowers. Annual . . . . . 10

**White Gem.** Forms a ball of snow-white flowers, presenting a fine appearance. Annual . . . . . 10

**Golden Queen.** A valuable addition. Makes a striking contrast with its bright golden-yellow leaves and brilliant blue flowers. Annual . . . . . 15

One package of each of the above nine varieties 80 cents.

Mixed varieties for baskets, etc . . . . . 10



**MARIGOLD.**

**Zammitblume.**

The French and African Marigolds are valuable for their flowers in autumn, and can be grown to advantage in little clumps with other plants in the front of shrubberies or in the garden border. The African varieties are the taller in growth, and produce large self-colored blossoms; the French varieties are smaller, some of them being elegantly striped and spotted. The dwarf growing kind adapt themselves to spots where the taller varieties would be unsuitable. Seeds can be sown in a cold frame or in a seed bed in the open border and the young plants transplanted late in spring where they are to remain. Annuals.

Marigold, Eldorado, flowers very large and double, all shades of yellow, and quilled like a Dahlia . . . . . 10

Lemon Queen, large lemon colored flowers . . . . . 5

Prince of Orange, large orange flowers . . . . . 5

African Marigold, mixed varieties, ounce 30 cents . . . . . 5

French Marigold, striped, yellow and brown . . . . . 5

" Tall Varieties, mixed, ounce 30 cents . . . . . 5

" Dwarf Varieties, mixed, ounce 30 cents . . . . . 5



Marigold, *Tagetes signata pumila*, a beautiful dwarf plant, forming a globular, dense mass; fine for bedding and borders . . . . . 5  
One package of each of the preceding 30 cents.

**Dwarf Marigold Little Brownie, or Legion of Honor.**

A charming single flowering plant, about six inches high; very effective in masses or borders; color a brilliant gold, blotched with maroon. . . . . 10  
Gold Margin. New and fine. . . . . 10

**MARTYNIA.** Hardy annuals; mixed . . . . . 5

**MALOPE.** Strong growing, two feet grandiflora, large purple flower. . . . . 5  
grandiflora alba, pure white . . . . . 5

*The artists devoted so much space to the attractions on the Novelty Pages that many rare and worthy introductions are placed in the regular list.*

JAMES VICKS SONS,  
I have been justly punished for my disloyalty to Vicks, from whom I had ordered seeds every spring for more than twenty-five years, by utter failure this season, and shall send in my order to Vicks before the snow is gone.  
MARY M. M.  
Cazenovia, N. Y., Oct. 31, 1898.

**MIRABILIS**

**(Four O'Clock).**

Mirabilis is known as Four O'Clock because it opens its flower about that time of the evening and fades the next morning. By the French it is called Belle de Nuit, or Beauty of the Night. It grows two feet high, bright foliage, fragrant flowers and desirable colors. Set plants two feet apart. Makes a nice summer hedge if set a foot apart. Seed should be planted in the open ground where plants are desired. Opens in the afternoon. The roots may be taken up in the autumn and preserved in the same manner as Dahlias through



MIRABILIS

the winter for spring planting. Annual.

Mirabilis, Marvel of Peru, mixed colors, ounce 20 cents . . . . . 5

Variogated Foliage, flowers of a variety of colors . . . . . 5

Long Flowered, white, sweet-scented; flowers 3 to 4 inches long . . . . . 5

Long Flowered violet, same as above, except color . . . . . 5

Tom Thumb, very dwarf, covered with pure white flowers . . . . . 5

One package of each of the above 20 cents.

**MYOSOTIS.**

**Bergknecht.**

Perennial plant, flowering first season if sown early; small white and blue flowers. Seed may be sown in a hotbed and transplanted, or in open ground in spring.

Myosotis alpestris, blue; six inches. . . . . 10

alpestris, white; six inches. . . . . 10

alpestris rosea, rose; six inches . . . . . 10

alpestris robusta grandiflora (Eliza Fonrobert), large flowering, of pyramidal habit; very fine; blue, clear defined yellow edge. . . . . 10

palustris (Forget-me-not), white and blue. . . . . 10

Vick's Perfection. The finest Myosotis known, large bright blue flowers with twice as many petals as other varieties; plant robust, nine inches high . . . . . 20

Azorica, var. caelestina, flowers sky-blue; annual . . . . . 15

Mixed Varieties . . . . . 10



MYOSOTIS.

**MIMULUS.**

**Mittageblume.**

The Mimulus, or Monkey Flowers (named from the resemblance of the corolla to a mask or face), are beautiful, tender looking plants, with almost transparent branches. Fine for baskets, vases, and house culture, and do well planted out where they will be somewhat shaded. Perennial, but bloom the first season.

Mimulus, hybridus tigrinus, as beautifully spotted as the Calceolarias . . . . . 10

hybridus tigrinus grandiflorus, with beautiful durable flowers . . . . . 10

Musk Plant. . . . . 5

All sorts mixed . . . . . 5



MIMULUS

**MESEMBRYANTHEMUMS** (Ice Plant) or "Midday Flowers," are pretty half-hardy annuals; delicate, succulent, almost transparent branches and leaves. Of drooping habit, adapted to baskets, vase work and rockeries. Mesembryanthemum crystallinum, prized for its singular icy foliage . . . . . 5

*Many new and valuable Flowers, Vegetables and Plants are described in their proper Departments in the body of Vick's Garden and Floral Guide.*

JAMES VICKS SONS,  
Not long ago I received from you a collection of plants which I think about the nicest lot I ever had. They were of such large size, and fine condition they were a surprise and great pleasure to me. In five days some of them began to show new growth and in a week most of them had started growing, a few, such as palms, Aspidistra, etc., naturally very slow growing, did not start as soon, but held their own and looked well.  
Thanking you for the promptness in sending, and the real value of the plants, I am truly yours,  
MRS. ROSE SELVE-MILLER,  
Ipswich, S. D., July 31, 1898.

# MIGNONETTE. *Refeda.*



MACHET.

Seed of Mignionette may be sown at any season, so that by having pots prepared at different times a succession of flowers can be secured. Seed sown early in the garden will give flowers through summer. Plant in a cool place and it will continue to bloom all through the fall. For winter blooming keep in a cool room till buds are formed and begin to show, then bring into temperature not exceeding 50 degrees at night. Very few cultivate the common Sweet Mignionette compared with the many that might show their love of this sweet little flower. Annual.

- Mignionette, Sweet, well known, fragrant little hardy annual; per oz., 15 cents . . . 5
- odorata grandiflora ameliorata, large variety of Mignionette, reddish tinge to flowers; per oz., 20 cents . . . . . 5
- Golden Queen, a very fine new and distinct variety, with flowers of a golden hue; the best of recent introduction; ounce 30 cents . . . . . 5
- Crimson Queen (Paris Market). Very fine, robust, excellent for pots; red flower; ounce 30 cents . . . . . 5
- Machet, plant dwarf and vigorous, of good habit, producing many large spikes of very sweet-scented red flowers; fine for pot culture; ounce 75 cents . . . . . 10
- Golden Machet. This variety has all the excellencies of the popular Machet Mignionette, recognized by all as the best for forcing and pot culture. Plants are of strong, compact habit, bearing long massive spikes crowned with golden yellow blossoms . . 15
- Improved Victoria Red, a compact variety, six inches high, showing a rich brilliant red . 10
- Allen's Defiance, spikes from 12 to 15 inches long, deliciously fragrant, more so than any other variety. Spikes have been kept three weeks after cutting, retaining their grace and fragrance till every bud opened . . . . . 10
- White Diamond. This new introduction has features distinct from those of any mignionette in cultivation, the inflorescence being set off in an attractive way by the foliage. In this flower the stamens, which are usually colored, are for the most part white, and each spike in its early stage peers out of a starlike growth of yellow-tinted elongated bracts which radiate from the center, suggesting the idea of a white diamond in a very pleasing setting . . . . . 15
- Mignionette, *New large flowering Bismarck*. Very large, true pyramidal shape, reddish colored flowers, borne on strong stems, well elevated above the dark green, slightly crumpled foliage . . 25
- Mignionette, Giant Pyramidal, a mammoth variety; ounce 20 cents . . . 5
- New Hybrid Spiral, robust plant, long spikes; ounce 30 cents . . . . . 5
- Parson's White; ounce 75 cents . . . . . 5

**NEMESIA, Strumosa Suttoni.** This plant is without doubt one of the most beautiful annuals that has been introduced into cultivation for some years past. It is remarkable for its free-flowering character, and long duration in bloom, colors vary from creamy white to deep orange and carmine . . . . . 15

**NEMOPHILA** (Love in the Grove, Baby Eyes). The Nemophila is a pretty, delicate, hardy annual. The flowers are mainly blue and white. They do best if sown in a frame and transplanted early, as the hot sun injures the flowers; but do finely all summer if planted in a rather cool, shaded place. Set about six inches apart. Mixed varieties ounce 20 cents . . . . . 5

**NOLANA** (The Little Bell). Nolanas are trailing, hardy annuals, and prefer a light soil. Seed may be sown where the flowers are desired, or in a seedbed to be transplanted. Excellent for rock work, baskets, etc. Mixed varieties . . . . . 5

## NICOTIANA. *Tabakspflanze.*



NICOTIANA

*Nicotiana affinis* is the best we have grown. The plant attains a height of three feet, and at evening and early morning is covered with deliciously scented, large, white flowers; annual . . . . . 5

*colossea*, of very quick growth and compact habit, attaining great dimensions the first season. Very effective in isolated positions on lawns . . . . . 15

**PENTSTEMON.** Perennial border plant, mixed . . . . . 5

**PERRILLA NANKI-NENSIS.** Annual . . . . . 5

**PHACELIA CONGESTA**, light blue, good for bee food; annual; ounce 20 cents; . . . 5

## NIGELLA

May be sown in the open ground early in the spring. Hardy annuals.

*Nigella Damas-cena* (Love in a Mist), double blue, 1 ft . . . 5

*Damasce nana*, dwarf; variety of colors; six in. . . . . 5

*Hispanica*, 1 foot, large flowered; mixed colors . . . 5

*Fontanesiana*, large flowered blooms very early, blue . . . . . 5



One package of each 15 cents.

**NIEREMBERGIA** *Gracilis*, tender perennials. Suitable both for planting out and for pot culture. Light blue saucer-shaped flowers . . 10

**GENOTHERA** (Evening Primrose). (Ecnotheras are very fine half-hardy annuals, opening their flowers suddenly in the latter part of the day and making a most brilliant exhibition during the evening and early morning. *acaulis alba*, dwarf; a marvel of beauty; pure white . . . . . 10  
*Lamarckiana grandiflora*, flowers yellow; four inches in diameter; plants grow four feet in height . . . . . 5

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

- Roseum hybridum, double varieties mixed . . . . . 25
- Roseum hybridum, single varieties, mixed . . . . . 10
- Roseum, Persian Insect Powder . . . . . 10
- Double White Feverfew . . . . . 10
- Golden Feather, prized for its yellow foliage . . . . . 10





# PANSIES.

## Stiefmütterchen.

The Pansy is justly, everywhere and with everybody, a very popular flower. Its modest and innate sweetness, with its almost human face, endears it to the heart of young and old alike. It gives an abundance of bloom until after severe frosts, endures our hard winters with safety, and greets us in the early spring with a profusion of bright blossoms. Pansy seed may be sown in the hot-bed or open ground; if sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seeds sown in a cool place in June or July, and well watered until up, will produce fall flowering plants. To have good flowers, the plant must be vigorous, and make a rapid growth, as it will in rich moist loam. Young plants give the largest flowers. Old worn-out plants should be replaced. If the plants come into bloom in the heat of the summer the flowers will be small at first, but as the weather becomes cooler they will increase in size and beauty. They will flower better in the middle of summer, if planted where it is somewhat shaded from the hot sun, and especially if furnished with a good supply of water, but in almost any situation will give fine flowers in the spring and autumn. See also Novelties, page 18.

## NOVELTIES.

These named varieties are new, choice selections from the latest novelties. Per packet 20 cents.

**Pansy, Fairy Queen**, brilliant sky blue, silver white margin, very showy.

**Freya**, large flowering dark violet, with broad pure white margin.

**Madame Perret**, extra large flowers, edged, marbled and shaded blue, dark red and violet.

**Parisian**, extra large flowers; a very showy strain. Spotted.

*The set of four for 75 cents.*

## GIANT TRIMARDEAU, LARGE FLOWERING VARIETIES

A distinct class. Plants vigorous and compact; the flowers throw well above the foliage and are marked with large blotches. Enormous dimensions—some specimens grown on our grounds measuring over three inches in diameter. To please the lovers of large pansies, we have secured separate colors of this wonderful strain. Per packet 20 cents.

**Pansy, Azure Blue.**

**Brown Red.**

**Snowflake.**

**King of the Blacks.**

**Pansy, Purple Violet.**

**Striped.**

**White, with Purple eye.**

**Yellow, large Black eye.**

*Set of eight varieties for \$1.40.*

**Mixed varieties.** Per packet 20 cents.

## NEW VARIETIES.

Per packet 15 cents.

**Pansy, Atrosanguinea**, new dark red.

**Cardinal**, new brilliant dark red.

**Coquette de Poissy**, new French variety, distinctive mauve color.

**Emperor Frederick**, new dark red, bordered orange scarlet.

**Peacock**, large peacock blue flower, with white edge.

**President Carnot**, new, strikingly beautiful, pure white petals, each adorned with a deep violet blotch.

**Red Riding Hood**, brilliant red.

**Rosy Lilac**, new, distinct, very fine.

**Victoria**, rich velvety claret-red, large flowers.

*The set of nine varieties for \$1.20.*

## VICK'S SUPERB PANSIES.

We have boasted for many years past that our **Superb Mixture** was unapproachable, that, in fact, no grower had as yet succeeded in producing a Pansy so fine in color, delicate in pencilling and so uniformly large in size as our own. After repeated trials with samples from well-known specialists in Pansy growing we are satisfied that our **Superb Mixture** still retains its superiority above all others. If you want the best Pansy grown, get our **Superb Mixture**. Price, per packet, 50 cents; two packets, 80 cents;  $\frac{1}{8}$  ounce, \$1.25; ounce, \$9.00.

## STANDARD VARIETIES

Each 10 cents.

**Pansy, Azure Blue**, extra fine.

**Black**, bronzy center, fine.

**Bronze-color.**

**Brown Red**, various shades.

**Dark Blue**, very rich, constant.

**Dark Purple**, rich, deep purple; fine.

**Emperor William**, fine, large flower,

ultramarine blue, with violet-purple eye.

**Fire King**, gold yellow, upper petals purple.

**Golden Margined.**

**Havana Brown**, new shades.

**King of the Blacks**, almost coal black, coming true from seed.

**Light Blue**, lovely shades of sky blue.

**Lord Beaconsfield**, deep purple violet, shading to lighter hue.

**Mahogany-colored**, a very fine variety.

**Meteor**, new bright brown.

**Pure Yellow**, with dark center, generally true to color.

**Purplish-Violet**, distinct and fine.

**Quadricolor**, new and distinct; colors very brilliant.

**Red**, bright coppery colors, but not strictly red.

**Silver Edged**, dark purple, with white border. A charming variety.

**Snowy White**, good form and size; generally coming true from seed.

**Striped and Mottled**, extra, and very showy.

**Violet**, with white border.

**White**, sometimes slightly marked with purple, very showy.

**Yellow Gem**, clear yellow, without eye, a gem.

**Yellow-margined**, beautiful color, with margin or helt of yellow.

*One packet of each of above twenty-six \$1.05.*

**Mixed Seeds of the above sorts**, oz. \$1.50;  $\frac{1}{8}$  oz. 25c.; pkt. 10c. Good Mixture, packet 5 cents.

## EXTRA CHOICE LARGE FLOWERING VARIETIES.

**Extra Choice**, very large flower, mixed colors. Seed grown under our own supervision and is very choice; oz. \$3.00;  $\frac{1}{8}$  oz. 50c.; packet 25c.

**Odier, or Large-eyed**, dark spots on petals, large eyes, showy; pkt. 25c.

**Bugnot**, French strain; a beautiful class; large flowers, broad blotches, and from the large spots extend delicate pencillings to extreme edge of petals.

Seed is of our own growing, saved from selected plants; packet 25 cents.

**Cassier's Giant Blotched**, large, rich and showy. Of the popular Odier type; fine form and good substance. Plants neat and compact; pkt. 25c. *One packet mixed colors, each, Odier, Bugnot, Cassier, and Trimardeau, 80c.*



# PETUNIA.

Petuni.

The large flowered varieties of Petunia, often four inches in diameter, are best for single plants or little groups, the small flowered varieties are best for showy beds. Seed sown in the spring will produce flowering plants in June. Set the plants about 18 inches apart. They come pretty true from seed, but are not reliable in this respect, being inclined to sport. They do well sown in a cold-frame, hot bed, or in the open ground. Few plants will make a more showy bed, giving flowers from early summer until after frost. The seeds of the Double Petunia do not possess as much vitality as those of the single, and care must be used to get them to germinate, nor will they all come double. Annuals.



## GRANDIFLORA, LARGE FLOWERED, SINGLE.

- Petunia alba, large flowered, white . . . . . 25
- blue veined . . . . . 25
- brilliant rose . . . . . 25
- intus aurea, large flowers, yellow throated, very fine and distinct . . . . . 25
- Kermesina, crimson . . . . . 25
- maculata, blotched and striped . . . . . 25
- marginata, large flowered, bordered and veined with green . . . . . 25
- rosea, large flowers, bright rose, white throat . . . . . 25
- superbissima, magnificent flowers of extra large size, the very deep throat beautifully veined to the base . . . . . 25
- venosa, variety of colors, beautifully veined . . . . . 25
- violacea, one of the noblest of the large-flowered Petunias, and of a rich violet . . . . . 25
- Choice Mixed, from show flowers . . . . . 25

## GRANDIFLORA, LARGE FLOWERED, SINGLE FRINGED.

- alba, white . . . . . 25
- brilliant rose . . . . . 25
- Vick's New Fringed, a strain with fringed and frilled edges, very distinct and beautiful, and coming true from seed. Mixed . . . . . 25

## SMALL FLOWERED SINGLE.

- Blotched and Striped . . . . . 10
- Countess of Ellesmere, dark rose, with fine white throat . . . . . 10
- New Dwarf Inimitable, a really dwarf variety, forming a compact little plant 5 to 8 inches in height by as much in diameter, covered with regularly striped flowers. Adapted for massing, and pot culture . . . . . 10
- Snowball. New, pure white, compact, very pretty . . . . . 15
- Fine Mixed, suitable for boxes or bedding, ounce \$1.25 . . . . . 5

## SMALL FLOWERED DOUBLE.

- compacta nana multiflora pl. Dwarf compact plant, profuse bloomer, fine for bedding, mixed . . . . . 25
- compacta fl. pl. Brilliant rose . . . . . 25

## GRANDIFLORA, LARGE FLOWERED DOUBLE.

- aurora, red . . . . . 35
- brilliant rose . . . . . 35
- white . . . . . 35
- mixed varieties . . . . . 25

## GRANDIFLORA, LARGE FLOWERED, DOUBLE FRINGED.

- brilliant rose . . . . . 35
- Lady of the Lake. Pure white . . . . . 35
- mixed varieties . . . . . 35

## NEW PETUNIAS.

**"Giants of California."** This is an entirely new strain originating in California, of incomparable size, luxuriance and beauty. Nearly all the flowers are ruffled or fringed, and measure from four to five inches across. The great variety of colors, blotchings, stripings and veinings make fantastic and beautiful combinations,—some with deep throats of yellow, white, black, green or maroon, running off into intricate veins; the colors also run to delicate shades . . . . . 25

# PORTULACA.

Portulac.

A popular, hardy, creeper, each strong plant covering a space about two feet in diameter. It delights in a warm sun and sandy soil, and the drouth is never too long, nor the heat too intense for this beautiful little salamander. It makes a brilliant bed on the lawn. The flowers of the double varieties are like little roses. Sow seed in the open ground early, or under glass. The plants can be transplanted when in full flower, and in making a ribbon bed with Portulaca wait until the first flower opens, so as to be entirely sure of the colors. Annual.

Portulaca alba, pure white; alba striata, white, striped with rose; caryophylloides, rose, striped with carmine; New Rose, fine rose color; Thellussonii, fine crimson; splendens, rosy purple; aurea, straw color; aurea vera, deep, golden yellow; aurea striata, sulphur yellow, striped with gold. Each of the single varieties . . . . . 5

One package of the above nine 35 cents.

Fine mixed from the above, ounce 50c. . . . . 5

Double Rose-flowered, a perfect double variety, as much so as the Rose, and many brilliant colors, as well as striped. first quality, mixed colors . . . . . 10

Double Rose-flowered, seven different colors—crimson, yellow, rosy purple, rose, white, rose striped with carmine, orange—each color . . . . . 15

One package of each of these seven colors 90 cents.



## PHYSALIS FRANCHETI (Chinese Lantern Plant.)

A new plant brought from Japan. It grows from 18 to 24 inches high, erect in habit and covered with beautiful foliage which shows off its brilliant seed-pods to great advantage. The latter, the striking feature, almost globular, over two inches in diameter, of a shining, orange-red tint enclosing a cherry-like fruit of the same color. This is edible and especially recommended for preserves. The intense color of the seed-pods makes the plant very valuable for all sorts of decoration and it produces during August a most striking effect in the garden. Any soil will suit it . . . . . 15

PALAFOXIA HOOKERIANA. Annual . . . . . 5



# PHLOX



*Flammeblume.*

The word *Phlox* signifies "a flame," and a good ribbon bed of Phlox is a dazzling sight, and there is nothing will make so grand a display for so little cost. In a good, rich soil the plants will grow eighteen inches or more in height, and no annual or perennial for a mass of splendid colors will give more satisfactory return for the outlay.

Seed may be sown in the open ground in May, or in hot-bed or cold frame earlier; and in either case, from June till frost the plants make a most brilliant show of flowers. Set plants about one foot apart; if too thick they suffer from mildew.

The Phlox makes a very good border or low summer hedge. The finest effect, however, is produced by planting each color in a separate bed, or in ribbon fashion, its constant blooming making it desirable for these purposes. In selecting the plants, get good contrasts of color, as white, scarlet, and rose. If a plant of a wrong color is found it can be easily removed, and the place will soon be filled, for the Phlox grows vigorously when it has room. Annual.

**Phlox, Vick's New Double White**, very fine, robust, half-dwarf, nearly all coming double; very desirable for cutting . . . . . 15

## Phlox Drummondii Grandiflora.

The flowers of this section have round petals, and larger flowers than the old sorts. These varieties we have found to be nearly constant.

**Phlox, Coccinea**, scarlet.

**Splendens**, bright scarlet, white eye.

**Carminea striata**, brilliant scarlet, white striped.

**Alba pura**, pure white.

**Atropurpurea**, dark purple.

**Atropurpurea alba oculata**, dark purple, white eye.

**Atropurpurea striata**, dark purple, white stripe.

**Carnea**, flesh color.

**Chamois Rose**, pale rose.

**Carminea alba oculata**, rose-carmine, white eye.

**Quadricolor Rosea**, rose petals, shaded separate.

**Kermesina splendens**, vivid crimson, very bright; one of the best for masses.

Price, per packet, 10 cents each.

One package of each of the above twelve varieties \$1.00

Choice mixed, ounce 75 cents . . . . . 10

Mixed . . . . . 5

## Phlox Drummondii Nana Compacta.

The dwarf annual Phlox are very desirable for edgings and ribbon beds, and useful for pot culture. They grow six to eight inches in height, forming dense masses of bloom all summer. Of the many varieties, the following are the best.

**Phlox, atrosanguinea striata**, crimson, white stripes.

**Carminea**, carmine, dark eye.

**Carminea alba oculata**, carmine-rose, white eye.

**Chamois Rose**, fine shade of rose.

**Cinnabarina**, cinnabar-red, small, white eye.

**Fireball**, bright scarlet.

**Hortensia flora**, deep rose, crimson eye.

**Snowball**, pure white.

**Variabilis**, violet and lilac.

Price, per packet, 10 cents each.

One packet each of the above 9 varieties for 75 cents.

Best varieties mixed . . . . . 10

## Star Phlox.

This variety must be regarded as a highly original novelty. While the petals of all other Phloxes are entire, this variety is partly fringed and partly three-toothed; the central teeth of the petals are five or six times as long as the lateral ones, projecting like little spines, giving the flowers a regular star-like form. The beauty of the flower is enhanced by a white margin which borders the edges of the petals. There are already many distinct colors.

Best varieties mixed . . . . . 10



PRIMULA.

## PRIMULA.

*Primel Aurikel, Schüsselblume.*

In this country Primulas do well in cold house, but in the open ground succeed best in a northern border.

*P. vulgaris* is the sweet and beautiful English Wild Primrose, so ardently loved by all who spent their childhood days among the green lanes of England. Sow seeds under glass and transplant. Perennial.

**Primula auricula**, fine mixed . . . . . 25

**auricula**, from named flowers . . . . . 50

**elator (Polyanthus)**, fine mixed . . . . . 10

**vulgaris**, Wild English Primrose . . . . . 10



# POPPIES.

## Wohn.

Good annual varieties of the Poppy are numerous, ranging in size from the little Ranunculus-flowered, an inch in diameter, to the large Pæony-flowered. The plants have strong tap-roots, and are difficult to transplant; it is better to sow the seed early in the spring where the plants are to flower.

**Poppy, Vick's Brilliant**, is a superior variety of strong, robust growth, two to three feet high. Flowers have a variety of bright colors; pure white with a pink tinge, scarlet, rose, purple, and other shades, and are so beautiful and bright as to be almost dazzling to the eye. Round as a ball and perfectly double. Annual. . . . . 10

**Shirley**. Flowers large, exceedingly graceful and elegant; generally single or semi-double; colors range from blush-white, rose, delicate pink, and armine to bright sparkling crimson. Annual. . . . . 5

**Mikado**. Flowers, large and loose, resemble the Japanese Chrysanthemum, petals cut and fringed in the most attractive manner; color pure white, edged with brilliant scarlet. Annual. . . . . 5  
*One package of each of the above three 15 cents.*

**Danish Flag**, flowers brilliant scarlet, large silvery-white blotch at the base of each petal, forming a white cross on scarlet ground. Annual. . . . . 5

**Pæony-flowered**, large flowers, very double. Annual. . . . . 5

**Ranunculus-flowered**, small double. Annual. . . . . 5

**umbros um**, flowers bright vermilion, with a shining black spot on each petal; very showy. Annual. . . . . 5

**Scarlet Single**, the single Scarlet Corn, or Field Poppy, of Europe; very gorgeous. Annual. . . . . 5

**Carnation-flowered (somniferum fl. pl.) (Double Opium Poppy)**, splendid large double flowers; mixed colors; annual; ounce 20 cents . . . . . 5

**somniferum (Opium Poppy)**, true, single; annual; per pound 90 cents; per ounce 15 cents . . . . . 5  
*One package of each of the preceding seven 30 cents.*

**All varieties mixed**. . . . . 5

**The Tulip**. Plants from twelve to fourteen inches high, producing well above the foliage 50 to 60 large splendid tulip-shaped flowers of the most vivid scarlet imaginable. Blooms early in June and flowers abundantly from six to eight weeks. Annual 10

- Poppy, American Flag**. Beautiful variety, flowers large and double, snow white, bordered with scarlet. . . . . 5
  - Fairy Blush**. Pure white, double flowers, beautifully fringed, tipped with rose 5
  - White Swan**. Immense double flowers, elegantly fringed, and of purest white 5
  - Golden Gate**. Single, semi-double and double flowers in great variety of colors 5
  - New Cardinal Poppy (new hybrids)**. About 18 inches high; habit erect and compact; foliage dark green, deeply-laciniated; flowers chamois and brilliant rose on light ground; purple, crimson, brick rose on black, brown or violet ground 15
- One packet each of the above five for 30 cents.*

## PERENNIAL POPPIES.

All the perennial Poppies are perfectly hardy, and seed may be sown in the open ground. The single, large, perennial Poppies are a great addition to the herbaceous border, and are of greater value among shrubbery as they tend to relieve and lighten up the usual dark and somber character of clumps of shrubs. Flowers very large, five or six inches across.

- Poppy bracteatum**, scarlet; three feet high. . . . . 5
- orientale**, very large, red, one of the finest; three feet. . . . . 5
- involutum maximum**, fine large flowers. . . . . 5

## ICELAND POPPY (PAPAVER NUDICAULE).

### Radtengelige Mohn.

The fragrant, elegant crushed-satin-like flowers are produced in unceasing succession from June to October. Flowers last fully a week if cut soon as open. Perennial.

- Iceland Poppy, Pure White, Bright Yellow, Bright Orange**, each. . . . . 10
- Collection of three Iceland Poppies 25 cents*
- Finest Mixed**. . . . . 10

## RUDBECKIA BICOLOR SUPERBA.

This plant grows about two feet high, forming a many branched dense bush, and produces its long-stemmed flowers in the greatest abundance. The disk is brown; the ray florets are yellow with large velvety-brown spots at the base, a coloring which may be compared to that of Obeliscaria Pulcherima, or that of the dwarf French Marigold, Legion of Honor. Very effective, annual, and a useful plant for cutting.

*Seeds per packet, 20 cents.*

## ROCKET. Radtvirole.

The Sweet Rocket is a very hardy biennial, bearing clusters of single flowers, and fragrant during the evening. Colors purple and white. The plant with fair culture will grow 18 inches high, and seed will germinate readily in open ground. Perennial.

- Rocket, Sweet Purple and Sweet White**, each. . . . . 5

## RICINUS. Wunderbaum.

The Ricinus has very ornamental foliage and showy fruit. Fine for center of bed, as it gives a magnificent semi-tropical appearance, or planted thick they make a fine screen or hedge. Plant seed in open, very rich deep spaded ground, in a dry situation as soon as safe in the spring. The common Castor Oil Bean is cultivated for the oil, and grows about twenty bushels per acre. Annual.

- Ricinus macrocarpus**, whitish, beautiful; 6 feet. . . . . 5
- purpureus**, magnificent; six feet. . . . . 5
- Borboniensis**, beautiful, large leaves; 70 feet. . . . . 5
- Cambodgensis**. The finest dark foliaged Ricinus, leaves and stem nearly black 5
- Duchess of Edinburgh**, dark purple stem and leaves; 10 feet. . . . . 5
- Africanus hybridus**, fine, stem and fruit rose; six feet. . . . . 5
- giganteus**, large, fine and showy; 6 feet. . . . . 5
- Philippinensis**, very large leaves; 6 to 10 feet. . . . . 5
- Sanguineus**, Blood-red stalk and clusters of red fruit; 8 feet; oz. 15 cts. . . . . 5
- Communis, Castor Oil Bean (Palma Christi)**, lb., 40 cts; per oz., 10. cts 5

*One package each of the above ten 40 cents.*

**Mixed varieties**, ounce 15 cents. . . . . 5

**Zanzibarensis (Zanzibar Castor Oil Plant)**. New and distinct. The gigantic leaves, two to 2½ feet across, and great size of the plant, surpass any other known Ricinus. The luxuriant, tropical appearance when planted singly or in masses is matchless.

We offer four varieties in mixture; one will produce light green leaves with whitish ribs; another coppery brown leaves, changing to oark green with red ribs—stems brown; another brownish-purple leaves, changing to dark green with reddish stems; another with bronze leaves, with reddish ribs and glaucous brown stems. The four varieties mixed, ounce, 30 cents . . . . . 5



**SALPIGLOSSIS.**



**Trompetenzunge.**  
 Salpiglossis is a splendid half-hardy annual, with flowers of a peculiar richness, very delicately and beautifully pencilled. About two feet in height. Seeds may be sown under glass, but do well in the open ground, if the soil is light.  
**Salpiglossis grandiflora**, mixed colors, from choice plants. . . 5  
**New Emperor.** This beautiful flower is entirely distinct by its peculiar habit, producing only one thick main stem, which is thickly covered with flowers, and presents a compact bouquet. 15

**SENSITIVE PLANT.**

*Sinn-oder Schamflanze.*

The Sensitive Plant affords a good deal of amusement, not only to children, but to those of larger growth, on account of its apparently sensitive leaves, which close up when touched. Seed should be started under glass. Do not transplant to the open ground until the weather is warm. A plant or two reserved for the house will be an object of interest during the winter. Start a young plant in a pot, and plunge pot in earth to the rim, removing it to the house in autumn. Annual.

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

**SCABIOSA (Mourning Bride).**

*Wittenblume.*



The tall Scabiosas grow eighteen inches in height, the flowers being on long wiry stems. Sow in the garden or under glass. Plants, if thrifty in the autumn, not weakened by over-flowering, often bloom the second season.

**Scabiosa, The Pompadour, New Double.** A remarkable improvement in the Scabiosa, with florets very much increased in size, variety and brilliancy of color, making it doubly desirable for use as a border plant and for cut flowers for decorative purposes . . . . . 15  
 All colors, mixed . . . . . 5  
 Double Tall, mixed . . . . . 5  
 Double Dwarf, mixed. Very pretty, compact plant . . . . . 5

**Scabiosa, Double Yellow.** A distinct new color, obtained after many years of careful selection . . . . . 10  
**Double White (Snowball).** Very pure white . . . . . 5  
**Royal Purple.** A rich, large-flowered claret color, double . . . . . 5

**SALVIA.**

*Salvie.*



Salvia, called Flowering Sage, grows freely in any light, rich soil; from eighteen inches to two feet in height. Plants should get a good start in a hotbed, and not be planted out before the weather is warm. Thrifty plants may be potted in the fall for winter blooming. Annual.

**Salvia, Clara Bedman**, (Bonfire). Flowers a most brilliant scarlet, spikes grow erect and stand clear above foliage . . . 15  
**splendens**, true; large, scarlet . . . . . 10  
**coccinea lactea**, pure white . . . . . 10  
**Rcemeriana**, scarlet . . . 10  
**patens**, flowers of a delightful blue . . . . . 15  
**New Golden.** Foliage a rich golden yellow constant and distinct. Flowers brilliant scarlet, the spikes being large and full, making a striking contrast. Plant only eighteen inches high; two packets for 25 cents . . . . . 15

**SUNFLOWER--Helianthus.**

*Sonnenblume.*



Coarse, tall plants, from four to eight feet in height, bright yellow flowers. The double varieties produce a very good effect among shrubbery, and when used as screens. Some times reproduces itself from self-sown seed. The seeds of the single varieties are of considerable value for oil as well as for feeding poultry. See Miscellaneous Farm Seeds and Helianthus, described under "Hardy Plants and Bulbs," for varieties that are attracting much attention Annual.

**Helianthus globosus fistulosus**, best of the Sunflowers; very large; double . . . 5  
**Double Green-centered**, large flower, green center when young; when old perfectly double; five to eight feet in height . . . . . 5  
**Mammoth Russian**, single; very large; usually grown for feed; per pound 25c . . . 5  
**Dwarf Golden.** Variegated foliage, five to six feet high. Very effective as single specimens. 70 to 80 per cent true from seed . . . . . 10  
**Extra Double Dwarf.** About four feet high. Each branch, from the ground to top of main stem, bears a golden flower . . . . . 10

We pay the postage or express charges (except when noted).

# TEN WEEKS STOCK.

*Sommer-Leukoje.*

The Ten Weeks or Annual Stock has nearly or all the requisites of a perfect flowering plant, good habit, fine foliage, beautiful flowers of almost every desirable tint. Seeds may be sown in the open ground, hot bed, or cold frame, but transplanting should be done when the plants are just out of the seed leaf. Set a foot apart; make the soil deep and rich. If plants that are not too far advanced are carefully potted in the fall, they will flower finely in winter in a house that is tolerably cool and moist. For this purpose sow seeds late in the season. Although not a constant bloomer, like Phlox, the flowers endure for a long time and the side shoots give a succession of blossoms when the plant can obtain a needed supply of moisture.

- Stock, Largest Flowering Dwarf**, from pot grown plants. Dwarf habit, with magnificent large spikes, very large double flowers; all colors mixed. . . . . 10
- Largest-flowering Dwarf**, in colors, white, flesh color, rose, carmine, apple blossom, lavender, blue, brick-red, canary-yellow, shining purple-crimson, each. . . . . 10
- Dwarf German**, from field grown plants. . . . . 5
- Large-flowering Pyramidal Dwarf**, of pyramidal habit, with long spikes of large flowers, choice colors, mixed. . . . . 10
- Celestial Blue**, large-flowering pyramidal; excellent color. . . . . 10
- Snow Flake (Forcing)**. This variety of Dwarf Wallflower-leaved Large-flowering Stock is the earliest white, and one of the earliest of all Ten-weeks Stock. Admirably adapted for forcing; the snow white flowers are uncommonly large and double. Seed produces about 60 per cent. of double-flowering plants. . . . . 15
- Dresden Perpetual (Cut and Come Again, or Princess Alice)**. Pure white, robust growth and branching habit. If sown early commences blooming in June and continues until frost, producing flowers in September and October, when other varieties have faded; fine for cutting. . . . . 15



STOCK.

- Stock, Large-flowering Wallflower-leaved**, smooth, dark, shining leaves; dwarf. Set six inches apart. Mixed colors. . . . . 10
- Wallflower-leaved, White**, a beautiful variety, the flowers being the clearest possible white, contrasting grandly with the dark green, glossy foliage. Grown largely for cut flowers. . . . . 10
- Wallflower-leaved, Blood-red**. The deepest red of all the Stocks. A very choice variety, prized by florists for cutting. . . . . 15
- Early Autumn-flowering**, commences flowering in the autumn. Removed to the house blooms during the winter; mixed. . . . . 25

## BROMPTON STOCK.

*Winter-Leukoje.*

Both plant and flowers are larger than the annual Stock, and the spikes longer and bolder. The Brompton Stock cannot survive our winters, but plants can be removed to the house in the fall, where they will flower well if not kept too hot and dry. In spring they can be transferred to the garden. Biennial.

- Stock, Brompton**, best mixed colors. . . . . 10
- Tree Giant Cape Winter**. . . . . 10

## SCHIZANTHUS. Spaltblume.

The Schizanthus may be treated as a half-hardy annual, and will do well in the house or open ground. Plants that have flowered in the garden may be removed to the house in autumn. About 2 feet high, bearing hundreds of blossoms.

- Schizanthus**, best varieties mixed. . . . . 5

- SAPONARIA CALABRICA**. Desirable for pots or edgings, pink. . . . . 5
- alba, white. . . . . 5

- SEDUM CÆRULEUM**. Annual. Good for rock-work and masses; blue. . . . . 10

- THUNBERGIA** starts slowly at first. Seed requires hot-bed treatment: plants are grown easily from cuttings, flowers white or orange. For house culture, baskets and vases, there are few plants superior to the Thunbergia. They may be used very effectively in beds, pegged down. Fine mixed. . . . . 5

# TROPÆOLUM TOM THUMB.

*Kapuzinerkresse.*  
**Tom Thumb.**

Tropæolums, or Nasturtiums, are half-hardy annuals. The gorgeous blossoms are of all the different shades of yellow, orange and red, and have been much improved of late years, the flowers being larger and more brilliant than the old-fashioned sorts. The climbing varieties will be found on page 55. Tropæolums are much used for making dense masses of color, the Tom Thumb varieties being especially desirable for this purpose. In the hottest weather they thrive and bloom luxuriantly. When planted in poor soil they flower profusely; if the soil is too rich they run to leaves.

- Tropæolum Tom Thumb, Aurora**. Salmon, rose mottled and veined. . . . . 5
- beauty**. Orange and vermilion. . . . . 5
- bronze**. Beautiful coppery bronze. . . . . 5
- Carter's**. Scarlet. . . . . 5
- Chameleon**. Mottled crimson, bronze and yellow. . . . . 5
- Cloth of Gold**. Golden leaved, flowers intense scarlet. . . . . 5
- Cœrulea-roseum**. Blush rose. . . . . 5
- Crystal Palace**. Gem. Sulphur, maroon spots. . . . . 5
- dark crimson**. . . . . 5
- Empress of India**. Dark leaves, crimson flowers. . . . . 5
- Golden King**. Golden yellow flowers, very fine. . . . . 5
- King Theodore**. Flowers very dark. . . . . 5
- King of Tom Thumbs**, leaves dark bluish-green, flowers brilliant scarlet. . . . . 5
- Tropæolum, Lady Bird**. Golden yellow, flamed crimson. . . . . 5



TROPÆOLUM TOM THUMB.

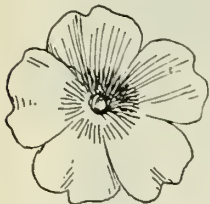
- Lili Schmidt**. Beautiful small scarlet flowers. . . . . 5
  - Pearl**. Light cream. . . . . 5
  - Prince Henry**. Light yellow, marbled scarlet. . . . . 5
  - Regianum**. Purplish violet. . . . . 5
  - Rose**. New color in Nasturtiums. . . . . 5
  - Ruby King**. Foliage dark. . . . . 5
  - Scheuerianum coccineum**. Scarlet striped. . . . . 5
  - spotted. Yellow, crimson spots. . . . . 5
  - Spotted King**. Rich orange, maroon spots. . . . . 5
- One packet each of above twenty-three 90 cents.*
- Fine Mixtures**, from choicest new varieties, 1/4 lb. 60 cts.; oz. 25c; pkt. 10 cts.
- Mixed common varieties**, 1 lb. \$1.25; 1/4 lb. 40 cts.; oz. 15c; pkt. 5c.

- TORENIA**. Trailing plants for vases, baskets, etc. Annual.
- Fournieri**, for moist, shady location; velvety-blue flowers; six inches. . . . . 10
- Bailloni**, deep yellow and maroon. . . . . 10
- The Bride (new)**, large flowers, upper lip white; side segments and lower lip pink; bottom of corolla yellow. . . . . 25

# VERBENA.

## Verbenc.

Very few annuals will make such a gorgeous display during the summer months, or furnish more flowers for cutting, than the Verbena. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual, they flower in July and continue strong and healthy until destroyed by frost. A strange fact, that is not generally known, is that nearly all the Verbenas raised from seed are fragrant, the light colored varieties particularly so. The past quarter of a century we have made a specialty of Verbenas, and our stock to-day stands at the head.



Nat. size.

- Verbena Striped, excellent flowers, with broad Carnation-like stripes . . . . . 10
- Scarlet, brightest scarlet, quite true . . . . . 10
- Pure White, quite true from seed . . . . . 10
- Cloth of Gold. The golden yellow leaves present a unique appearance (fine mixed) . . . . . 10
- Cœrulea. Blue with white eye . . . . . 10
- Lutea (Primrose), yellow . . . . . 10
- Purplish Violet, with large white center . . . . . 10
- One package of each of above seven 50 cents.
- Verbena hybrida, extra large flowers, fine mixed colors, choice seed, saved only from the most beautiful named flowers, ounce \$2.00 . . . . . 10
- Mixed colors . . . . . 5

## VIOLET.

- Well-known, free flowering, hardy perennial. Easily grown from seed, though somewhat slow in germinating; succeeds best in a partially shaded, moist place.
- Violet, Odorata Semperflorens, blue, sweet-scented . . . . . 10
- The Czar, blue. Splendid for forcing . . . . . 10
- The Czar, white. Splendid for forcing . . . . . 10



**VIOLA CORNUTA.** This is a beautiful variety of an old border flower, which since its introduction into the summer flower-garden, has been taken in hand by the hybridiser, and many lovely forms of it now enrich our collections. It commences flowering early in the season and continues until frost. Habit and constitution robust; flowers large and delicately fragrant.

- Admiration (Magnificent). A beautiful dark blue . . . . . 10
- All Colors Mixed . . . . . 10
- VINCA (Periwinkle). Annual. The past summer Vincas have been grown successfully as bedding plants in the Rochester parks, and if better known would be more extensively used for this purpose. Seeds can be started in the house or under glass; bloom from early summer until destroyed by frost, and may be potted for the house before frost.
- Vinca rosea, rose . . . . . 10
- Vinca, rosea nova species, white 10
- rosea alba, white, red eye . . . . . 10
- Mixed varieties . . . . . 10

# SWEET WILLIAM.

## Bartlett.

The best varieties of Sweet William are of exceedingly beautiful colors, very large and almost perfect in form, with trusses of great size. Treatment as for Carnation. The plants are perfectly hardy, and may be increased by division of the roots. It is well to raise new plants every few years from seed, for old plants become debilitated and unsightly, and the flowers decrease in size. Perennial.

- Sweet William Perfection, mixed . . . . . 5
- Common Double . . . . . 5
- Dunetti, blood red, velvety texture . . . . . 5

**VALERIANA.** Fine for borders. . . . . 5

**VIRGINIAN STOCK.** Hardy annual; fine for small bed or edgings. Mixed Colors, ounce 25 cents . . . . . 5

**WALLFLOWER.** By growing Wallflower plants in the ground and transplanting to pots in the autumn, or better, by placing plants in pots when taken from the seed bed, and sinking the pots to the rim in earth, good plants will be secured for winter flowering in the house. Give a cool room and plenty of water. Where winters are not very severe the Wallflowers make a most desirable plant, giving plenty of early spring flowers.

- Fine Mixed Colors, fragrant; double perennial . . . . . 15
- Flowering first season, fine mixed colors, single . . . . . 5

**WHITLAVIA.** Annual, with delicate foliage and drooping clusters of blue and white bells.

- mixed varieties . . . . . 5

**WILD GARDEN.** Mixed seeds, per ounce 20 cents . . . . . 5

All Seeds and Plants listed in this Catalogue delivered Free of Postage or Express charges, except when noted.



# ZINNIA.

## Zinnie.

The Zinnia is a large, free growing plant, and will always be popular. Flowers all summer, making the most brilliant display possible. An excellent border or summer hedge, and for this purpose set plants twelve to fifteen inches



apart. Seeds grow easily, and young plants can be moved as safely as Caobage plants. Annual.

### GIANT FLOWERING.

**Zinnia, Queen Victoria.** A new giant variety, of vigorous growth, with very double pure white flowers, about 4 inches in diameter. Comes true from seed . . . . . 15  
giant flowering. Mixed colors . . . . . 10

### LARGE FLOWERING DWARF.

double, choicest, best colors mixed; ounce 40 cents . . . . . 5  
Six Separate Colors,—scarlet, yellow, orange, purple, salmon, and pure white; each color . . . . . 5  
*One package of each of the above six 25 cents.*

**Curled and Crested.** A new and beautiful strain of this popular plant, showing on each plant from 100 to 200 large double flowers, the petals being twisted, curled and crested into graceful and most fantastic forms. The colors comprise all the beautiful shades characteristic of the Zinnia, 10

### LILLIPUT VARIETIES.

Flowers very small, charming for bouquets.  
golden gem; scarlet gem; white gem; orange gem; the four for 30 cents; each . . . . . 10  
Tom Thumb, varies from four to twelve inches in height, and from six to fourteen inches in diameter, forming compact, free-flowering, pigmy bushes, suited for edgings, small beds and groups . . . . . 10

## SEEDS OF BULBS.

There are a few Bulbs which do not come to perfection very rapidly from seed, and therefore amateurs have seldom patience to wait for this slow process, but obtain plants or bulbs that will flower the first season. A few, however, derive pleasure in watching the development from the tiny seed to the perfect plant. For the benefit of such we always keep a stock of these seeds, a few of which we mention.

Dahlia, choicest double varieties mixed . . . . . 10  
Dahlia, finest single varieties mixed . . . . . 10  
Gladiolus . . . . . 10

## SEEDS OF HARDY CLIMBERS.

These plants are mostly obtained by purchasing roots, and this is the better way when they can be procured. Some, however, cannot get plants and must be content with seeds. Sow very early in spring or autumn, in drills, in well prepared beds. Keep the soil mellow.

Ampelopsis quinquefolia, Virginia Creeper . . . . . 10  
Ampelopsis Veitchii, good wall plant, clinging to the smoothest surface, absolutely the finest of the clinging climbers . . . . . 10  
Bignonia radicans, Trumpet Vine . . . . . 10  
Celastrus scandens, Climbing Bitter-Sweet . . . . . 10  
Clematis flammula, fragrant, white . . . . . 10  
Clematis vitalba, white . . . . . 5

## ORNAMENTAL GRASS.

Agrostis nebulosa, the most elegant of Ornamental Grasses . . . . . 5  
Arundo donax variegatis aureus, perennial; strong stem, with golden-yellow striped leaves; six feet high . . . . . 5  
Avena sterilis (Animated Oat), thirty inches high . . . . . 5  
Briza maxima, perfectly hardy; one foot . . . . . 5  
Briza geniculata, small, flowers freely; eight inches . . . . . 5  
Chrysurus cynosuroides (Lamarckia aurea), feathery spikes . . . . . 5  
Coix lachryma (Job's Tears), two feet; Corn-like leaves; ounce 20c . . . . . 5  
Erianthus Ravennæ, as fine as Pampas Grass, superior for a northern climate, hardy. Plants, 25 cents each; seeds . . . . . 5  
Gynerium argenteum (Pampas Grass), a noble Grass, flowers second season; not hardy here . . . . . 5  
Hordeum jubatum (Squirrel Tail Grass), fine . . . . . 5  
Lagurus ovatus, dwarf; called Hare's Tail Grass; one foot . . . . . 5  
Pennisetum longistylum, a very graceful grass, growing eighteen inches . . . . . 5  
Stipa pennata (Feather Grass), magnificent grass, flowers second season . . . . . 5

## EVERLASTINGS.

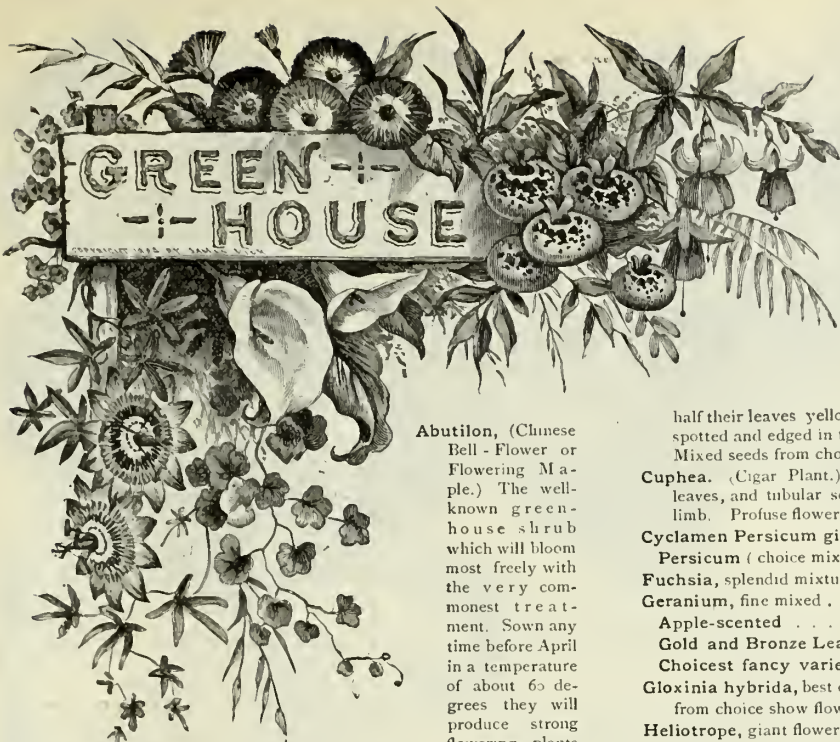
**Acroclinium.** One of the most beautiful Everlastings. Gather the first day they open to secure a bright center when dried.  
roseum, bright rose color . . . . . 5  
roseum album, pure white . . . . . 5  
Both colors mixed, ounce 30 cents . . . . . 5  
roseum fl. pl., flowers perfectly double . . . . . 10  
album fl. pl., new double white varieties . . . . . 10  
**Ammobium alatum grandiflorum.** One of the hardiest everlastings. Very useful for making up in bouquets; white . . . . . 5  
**Gomphrena,** (Globe amaranth). Start seed in a hot-bed, if possible. Set the plants about a foot apart. If the cottony coating which surrounds it is removed, the seed will be more certain to grow.  
Mixed varieties; ounce 20 cents . . . . . 5  
**Rhodanthe.** Fine for garden. Comes into flower early and continues a long time. One of the best everlastings for bouquets. Care is necessary in starting seeds; after good plants are grown we never fail to obtain abundance of flowers. Fine single mixed . . . . . 10  
**Helipterum** grows about a foot in height, branching, bears very many clusters of flowers. Should be taken when the buds are about opening, tied in bunches and hung up in a shady place, and the flowers will open in the drying process, retaining their color and brightness for many years.  
Sanfordi, choice, flowers small, rich yellow . . . . . 5  
corymbiflorum, white flowers . . . . . 5

**Helichrysum.** Flowers are large and full, and of a good variety of colors. Two feet. Cut just before the flowers fully expand. Plant about a foot apart. Seeds germinate readily, even in the open ground.  
monstrosum, double, mixed colors . . . . . 5  
monstrosum, Double Rose, fine color . . . . . 5  
monstrosum, Double Red, very bright . . . . . 5  
monstrosum, Double White . . . . . 5  
monstrosum, Double Yellow . . . . . 5



**Xeranthemum.** Free blooming annual, one foot. Seeds germinate freely, transplant well when young. Set ten inches apart.  
Large Purple-flowered, the largest-flowered, very double and fine . . . . . 10  
Double White, very fine . . . . . 10  
Mixed colors . . . . . 5





**Abutilon**, (Chinese Bell-Flower or Flowering Maple.) The well-known greenhouse shrub which will bloom most freely with the very commonest treatment. Sown any time before April in a temperature of about 60 degrees they will produce strong flowering plants

- the first season. (For illustration see tender plants.) Finest varieties mixed . . . . . 20
- Begonia, Rex-Diadema.** This seed is of our own gathering and contains all the latest and finest varieties . . . . . 25
- Single Tuberous rooted, finest mixed . . . . . 25
- Double Tuberous rooted, finest mixed . . . . . 25
- Calceolaria.** The Calceolaria are very beautiful and popular plants, producing masses of peculiar pocket shaped, striped, blotched and variegated flowers. It makes a gorgeous plant for greenhouse or window decoration.
- hybrida grandiflora*, large flowered, self-colored, rich and beautiful and saved from finest collection . . . . . 25
- hybrida tigrina*, large flowering tigered and spotted; finest mixture of most brilliant and beautifully marked flowers . . . . . 25
- Carnation, Remontant, or Tree Carnation, Italian.** . . . . . 25
- Grenadin, scarlet.** . . . . . 25
- Centaurea gymnocarpa** (Dusty Miller.) Silver-leaved plants, fine for ribbon borders and edgings of beds . . . . . 10
- candidissima*, silvery white, leaves broadly cut, fine for above purpose . . . . . 10
- Clementei*, crested . . . . . 10
- Chrysanthemum Indicum**, from our own collection of show flowers . . . . . 10



**Cineraria.** These may be classed among the most useful flowering plants we possess. They can be raised in quantities and are comparatively easy to grow from seed. They can be had in flower more or less all the year, but it is in the winter and through the spring months that they are in season. Their exceedingly bright colors and compact habit constitute them most suitable conservatory decorative plants and they also furnish cut flowers.

- hybrida*, choice mixed . . . . . 25
- hybrida, grandiflora* . . . . . 35

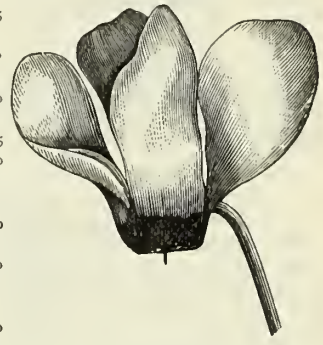
**Cineraria maritima**, (Dusty Miller,) leaves silvery gray, fine for vases, hanging baskets and ribbon planting . . . . . 5

**Cianthus Dampieri.** (Australian Glory Pea.) A magnificent climbing plant of quick growth bearing intense scarlet, singular shaped flowers, with a black central base. Plant in a warm, rather dry, position; tender perennial four feet . . . . . 10

**Coleus.** These very free-growing plants are remarkable for the bright colors of their foliage, with all the shades of red from pale pink to deepest crimson, and green from faintest to dark olive combined with yellow, these variously blended from half their leaves yellow and the other part crimson, to those that are spotted and edged in the most regular manner. Sow seed in March. Mixed seeds from choicest sorts . . . . . 15

- Cuphea.** (Cigar Plant.) A dwarf perennial with smooth lanceolate leaves, and tubular scarlet flower, having a narrow black and white limb. Profuse flowering, one foot high . . . . . 10
- Cyclamen Persicum giganteum**, choice strain, large flowers, rich colors . . . . . 35
- Persicum** (choice mixed) . . . . . 10
- Fuchsia**, splendid mixture of single and double . . . . . 15
- Geranium**, fine mixed . . . . . 10
- Apple-scented** . . . . . 15
- Gold and Bronze Leaved** . . . . . 25
- Choicest fancy varieties, mixed sorts** . . . . . 25

- Gloxinia hybrida**, best quality; from choice show flowers . . . . . 25
- Heliotrope**, giant flowered, best mixed . . . . . 10
- Hibiscus coccineus**, scarlet, three feet . . . . . 10
- Impatiens Sultani**, rosy-carmine; constant bloomer . . . . . 15
- Lantana**, finest mixed . . . . . 10
- Linaria Cymbalaria** (Kenilworth Ivy) Lavender and purple . . . . . 10
- Nerium Oleander**, common Oleander . . . . . 10
- Oxalis floribunda**, fine for baskets or for pots; white and pink, mixed . . . . . 10



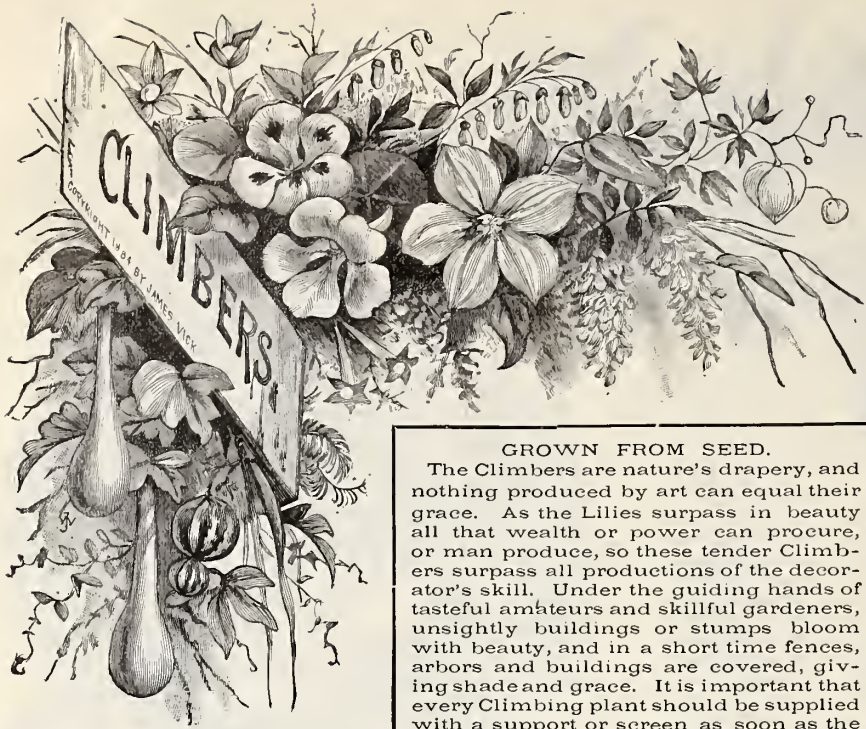
CYCLAMEN.

- Passiflora cœrulea**, the hardiest Passion flower . . . . . 15
- Primula Sinensis** (Chinese Primrose) *fimbriata rubra*, red; extra . . . . . 25
- fimbriata alba*, white; extra . . . . . 25
- fimbriata striata*, white, striped with red . . . . . 25
- Fern-leaved**, very pretty Fern-like foliage, red and white . . . . . 25
- obconica**, a profuse bloomer, bearing long stem heads with 10 to 15 flowers. The flowers are white occasionally shading to lilac, and have the true primrose fragrance . . . . . 15
- Choicest varieties mixed** . . . . . 25
- flore pleno**, a large percentage of the flowers perfectly double . . . . . 50
- flore-albo pleno**, double white; . . . . . 50
- Smilax.** One of the most graceful as well as useful climbers for the greenhouse or window garden. It is invaluable for bouquets and floral decorations. Sow seed in February in hot-bed or greenhouse and keep in moist place. Tender perennial . . . . . 10
- Solanum ciliatum**, very fine; red fruited . . . . . 10

**JAMES VICKS SONS,**  
Dear friends—I want to tell you that the American Wonder potato, purchased of you in 1894 is the best of all. We have had some severe droughts and they were a good crop while others failed. We got "Maggie Murphy" in '96. They were planted late and in a wet place, but they grew very large with very deep eyes—last year the eyes were not so deep. Everything grows you send, and thanks for the extras. MRS. G. W. W.  
Coal Centre, Pa. Jan. 5, '98.



CALCEOLARIA.



## THE GOURD FAMILY

Familie der Zierkürbisse.

The following plants are prized principally for their rapid growth and their odd-shaped and often highly colored fruits :

- Gourd, Dish-rag, or Sponge, when ripe the inside resembles fibrous cloth and is used for bathing, scouring, etc. . . . . 5
- Balsam Apple, orange and red . . . . . 5
- Balsam Pear . . . . . 5
- Benincasa cerifera, pretty wax gourd . . . . . 5
- Serpent Gourd . . . . . 5
- Abobra viridiflora, beautiful climber, delicate foliage, oval, scarlet fruit. . . . . 5
- Bryonopsis laciniosa, foliage elegant; fruit scarlet striped with white . . . . . 5
- Cucumis odoratissimus fruit orange-yellow, at times has red spots, fragrant . . . . . 5
- Coccinea Indica, handsome, glossy foliage and scarlet fruit . . . . . 5
- Echinocystis lobata, Wild Cucumber. A fast growing climber, running 30 feet in a season. White fragrant flowers, prickly seed pods . . . . . 5

One package of each of above ten 40 cents.

The following are some of the most valuable of the common varieties :

- Gourd, Hercules' Club, large, long, club-shaped . . . . . 5
- Smallest Lemon, yellow . . . . . 5
- Pear-formed, yellow and green cream striped . . . . . 5
- Gooseberry, small, bright green . . . . . 5
- Egg-formed, true Nest Egg Gourd . . . . . 5
- Orange, well-known Mock Orange . . . . . 5
- Striped Apple, small, yellow, beautifully striped . . . . . 5
- Calabash, the old fashioned Dipper Gourd . . . . . 5
- Sugar-Trough, or Sap Bucket . . . . . 5

One package each of the above nine 35 cents.

- Mixed, per ounce 30 cents . . . . . 5

### ADLUMIA.

A pretty biennial climber, with pale green foliage. Sow seed in the spring, in a damp, cool place. Transplant in the autumn, if possible. The panicles of drooping flowers are pink and white.

Adlumia cirrhosa, or Allegheny vine, is sometimes called Wood Fringe and Mountain Fringe. . . . . 10

### MORNING GLORY.

Convolvulus Major. Große Kletterwinde.

Convolvulus Major (the old Morning Glory.) Annual. The seeds germinate so readily that they can be grown in the garden in any corner where the plants are needed, and almost at any time. Rapid grower.

- Convolvulus major, in colors, white, white and violet striped, white striped with rose, light blue, dark blue, carmine, lilac, each color . . . . . 5
- incarnata, bright red . . . . . 5
- atrosanguinea, dark red . . . . . 5

One package each of the above nine 35 cents.

All the above mixed, ounce 15 cents. . . . . 5

### IMPERIAL JAPANESE MORNING GLORIES.

These Morning Glories have given great satisfaction. Their exquisite beauty and enormous size (from four to six inches across), with their innumerable markings and shadings, command the admiration of all flower lovers. The vines are strong

and robust, attaining a height of 30 to 50 feet, while the foliage is quite distinct and luxuriant.

Price per packet 10 cents.

### BRAZILIAN MORNING GLORY.

(Ipomœa Setosa.)

A most interesting climber, with rose colored flowers from 3 to 4 inches in diameter, and a leaf 8 to 12 inches across. It presents a remarkable appearance, branching in every direction and intertwining so as to make it absolutely impenetrable to the sun's rays. The large seed pods, or curious looking capsules, with short reddish hairs on the stems, make it unusually ornamental and attractive. After planting pour on scalding water. Annual.



MORNING GLORY.

Ipomœa setosa (Brazilian Morning Glory) . . . . . 10

### GROWN FROM SEED.

The Climbers are nature's drapery, and nothing produced by art can equal their grace. As the Lilies surpass in beauty all that wealth or power can procure, or man produce, so these tender Climbers surpass all productions of the decorator's skill. Under the guiding hands of tasteful amateurs and skillful gardeners, unsightly buildings or stumps bloom with beauty, and in a short time fences, arbors and buildings are covered, giving shade and grace. It is important that every Climbing plant should be supplied with a support or screen as soon as the plants show a disposition to grow.



COBŒA.

### COBŒA.

Cobœa.

One of the very finest and most beautiful annual climbers, of large size, rapid growth, fine foliage, bell-shaped flowers, almost 1½ in. across and 2 in. long. In good soil the stems often grow 20 or 30 feet long, and cover a large surface. Plants begin flowering when quite young. Put seed in moist earth, edge down; do not water until the young plants appear, unless earth is very dry. Remove plants to the house for winter blooming.

Cobœa scandens . . . . . 10

### CARDIOSPERMUM

HALICACABUM, or Balloon Vine. Annual . . . . . 5

**DOLICHOS.** Lablab (Hyacinth Bean) fine climber, six to twenty feet high, purple and lilac flowers, ounce 20 cents. . . . . 5

### VARIEGATED JAPANESE HOP.

Humulus Japonicus.

Javanesischer Hopfen.

A splendid annual climber, rapidly covering arbors, walls, trellises, etc. The foliage resembles that of the common Hop, but is more dense. Seed sown in the open ground in spring will produce large plants in a short time. Withstands heat, drought, and insects. Japanese Hop, Humulus Japonicus . . . . . 10  
Japanese Variegated Hop, leaves green and white variegated . . . . . 10



VARIEGATED JAPANESE HOP.



# CLIMBING NASTURTIUM.

## Tropæolum Majus.

Nasturtiums are among our very best Climbers. They require but little care, for seed sown in the spring of the year in any fair garden soil, not too rich, will produce plants ten or twelve feet in height before autumn. They endure hot and dry weather very well. The young shoots and blossoms are sometimes used as a salad, and the seed-pods are considered a very good substitute for Cress. There are several varieties; the leaves of some are very light transparent green, while in others they are very dark, almost purplish. The flowers are all shades of yellow, scarlet, and spotted. The climbing Tropæolum is an excellent plant for baskets, vases, etc. Grown two or three in a large pot, with bush or lattice work support, they make a very showy ornament which can be moved at pleasure.

Per ounce 15 cents; packet, 5 cents; except when noted.

- Tropæolum Atropurpureum, foliage golden yellow, flowers dark crimson.
- Chocolate.
- Dark Orange.
- Edward Otto, bronze, silky.
- King Theodore, the darkest.
- Orange, very handsome
- Pearl, creamy white.
- Prince Henry, light yellow, marbled with scarlet.
- Tropæolum Regelianum, purple violet. Scarlet.
- Scheuerianum, straw-color, brown striped.
- Scheuerianum coccineum, scarlet striped.
- Schulzii, brilliant scarlet, dark leaves.
- Schillingi, bright yellow, blotched with maroon.
- Van Molke, bluish rose.
- Yellow.

Vesuvius, decidedly the most striking and handsome sort among Climbing Nasturtiums. A highly brilliant salmon rose quite effective at a distance, fine for verandas; packet . . . 15

One package each of the above eighteen 85 cents.

Mixed varieties, the green seed-pods used for pickles; per lb. \$1.00, per oz. 15c. . . . . 5  
**Extra choice fine mixed**, ounce 25 cents . . . . . 10

## TROPÆOLUM PEREGRINUM.

Canary-bird Flower. One of the finest of the Nasturtium family, resembling a Canary Bird with expanded wings . . . . . 10

## TROPÆOLUM LOBBIANUM.

Resembling the tall variety in habit, with beautiful and varied colored flowers borne in great profusion. The flowers and foliage are somewhat smaller than the ordinary Nasturtium.

Tropæolum Lobbianum, mixed varieties; ounce 20 cents . . . . . 5

## NEW CLIMBING NASTURTIUM.

"Hybrids of Madam Gunther." An entirely new strain of French origin, most remarkable for their wide range of exquisite colors, showing pink, purple, rose, salmon, light yellow, dark maroon, deep orange, etc., etc. Also striped and blotched, mottled and variegated in the most fantastic manner. They are strong growers, climbing five to seven feet with a rich dark foliage. Fine for porches, vases or trailing on the ground.

Per ounce 20 cents; per packet 5 cents.

## MAURANDYA. Maurandya.

Maurandya plants should be grown in the hot-bed or greenhouse. Growth of plants five or six feet and the foliage abundant. The flowers are of good size, colors different shades of blue, white, and mauve. Good for baskets, vases, or verandas. Annual. Finest Mixed . . . . . 10

LOASA, lateritia . . . . . 10

## IPOMŒA.

### Trichterwinde.

Ipomœas succeed best if started in the hot-bed. Desirable for pots, baskets, etc., for the house; for greenhouse decoration they are also very good. Annual.

- Ipomœa Bona Nox (Good Night, or Evening Glory, Moon Flower), flowers large, white . . . 10
- coccinea, sometimes called Star Ipomœa, with small, scarlet flowers . . . . . 5
- grandiflora superba, fine, large flowers, sky-blue, bordered white. . . . . 5

- grandiflora superba, Carmen Sylva, (new,) rose colored flowers with variegated foliage . . . . . 10
- Imperialis, (new,) flowers beautifully fringed, showing a great variety of rich colors, variegated foliage . . . . . 15

**Cypress Vine, Ipomœa Quamoclit.** This delicate and symmetrical climber flowers freely: when plants are set in rich soil, where they are to grow, they will reach a height of twenty feet. After planting pour on scalding water. Scarlet, White, or mixed; ounce 30 cts. Each . . . 5



IPOMŒA QUAMOCLOT.



# SWEET PEAS.

## Blumenwiden.

Sweet Peas are among the most beautiful of all our hardy annuals. The plants are best suited with a cool, moist soil. The seeds should be sown four inches deep in a stiff, heavy soil, and from six to eight inches in light soil, and as early in the spring as possible. *Don't wait for fair weather.* Use plenty of seed, so that they will not be more than an inch apart. Hoe the soil toward the plant a little, but do not form a ridge, and furnish support early. The varieties offered embrace all the best sorts that have been brought out up to the present time.

For several seasons many growers of Sweet Peas have been experimenting in the way of cross fertilization and hybridizing, using their best endeavors to produce new shades of colors and forms of flowers. While the result has been, in a few instances, a decided success, many of the new named sorts possess little if any advantage over some of the old standard varieties, and certainly require the eye of an expert, with a strong magnifying glass added, to detect the difference in the shades or forms. (See Novelties and Specialties, page 18.)

BLUE.		Pkt. oz. ¼ lb. lb.	MAGENTA.		Pkt. oz. ¼ lb. lb.
Sweet Peas, Captain of the Blues, bright purple and pale blue . . . . .	5	10 20 60	Sweet Peas, Captivation (new), light purple magenta . . . . .	5	15 35 1 25
Navy Blue (new), a remarkable tint of prune, almost the color of a Concord grape when ripe. Full size packets, as filled and sealed by introducer. . . . .	25				
<b>BLUE OR LAVENDER EDGED.</b>			<b>PINK.</b>		
Blue Edged, white and pink, edged with blue. . . . .	5	10 20 60	Apple Blossom, standard bright pinkish rose; wings bluish	5	10 25 80
Butterfly, white, lavender laced. . . . .	5	10 20 60	Alice Eckford, cream-tinted cerise standard, white wings	5	10 30 1 00
Golden Gate, standard soft pinkish mauve, wings light mauve and lavender. . . . .	5	10 25 80	Blushing Beauty, soft pink . . . . .	5	10 25 80
Lottie Eckford, (see Blue Edged). . . . .	5	10 20 60	Coquette, primrose, apricot tint. . . . .	5	10 30 1 00
Maid of Honor, light blue, white ground, shaded and edged	5	10 25 80	California, soft pink. . . . .	5	15 35 1 25
<b>CLARET.</b>			Countess of Aberdeen, white, margined with pale pink	5	10 30 1 00
Duke of Clarence, rosy claret, self-colored flowers . . . . .	5	10 25 80	Crown Jewel, creamy white, veined with violet rose . . . . .	5	10 30 1 00
Waverly, rosy claret, shaded standards, pale blue wings, shaded with rose . . . . .	5	10 20 60	Crown Princess of Prussia, bright blush . . . . .	5	10 25 80
<b>LAVENDER.</b>			Delight, standards white, crested with soft carmine . . . . .	5	10 25 80
Celestial (see Princess May). . . . .	5	10 25 80	Isa Eckford, white, suffused with rosy pink. . . . .	5	10 25 80
Countess of Radnor, delicate lavender. . . . .	5	10 25 80	Katherine Tracy (Royal Robe), brilliant vermilion rose; wings same shade as the standard . . . . .	5	10 25 80
New Countess, delicate lavender . . . . .	5	15 35 1 25	Lemon Queen, delicate blush pink, standard tinted with lemon, and blush, almost white wings. . . . .	5	10 25 80
Princess May (Celestial), large flowers of a most charming shade of lavender . . . . .	5	10 25 80	Lovely (see Blushing Beauty). . . . .	5	10 25 80
<b>MAROON.</b>			Mrs. Gladstone, delicate soft pink . . . . .	5	10 20 60
Stanley, deep maroon. . . . .	5	10 25 80	Peach Blossom, creamy pink standard, wings pink . . . . .	5	10 30 1 00
Boreatton, standard rich shining bronzy crimson; wings beautiful crimson purple. . . . .	5	10 25 80	Prima Donna (see Blushing Beauty) . . . . .	5	10 25 80
Indigo King, standard dark maroon-purple, wings clear indigo blue. . . . .	5	10 20 60	Princess Beatrice, rose; large. . . . .	5	10 25 80
Monarch, bronzy crimson standard, deep blue wing . . . . .	5	10 20 60	Royal Robe (see Katherine Tracy). . . . .	5	10 25 80
Purple Prince, maroon and purple . . . . .	5	10 25 80	Venus, salmon buff, standard delicately shaded rosy pink	5	10 25 80
Shahzada (new), rich dark maroon with shade of purple	5	15 35 1 25	<b>ORANGE PINK.</b>		
<b>REDDISH MAUVE.</b>			Countess of Powis (new), standard pink and orange, flushed with scarlet; wings bright rose, veined with pink	5	15 35 1 25
Dorothy Tennant, pure violet or rosy mauve . . . . .	5	10 25 80	Meteor, bright orange salmon; wings light pink . . . . .	5	10 25 80
Emily Eckford, well marked cerulean tint, the standards suffused with reddish mauve . . . . .	5	10 25 80	Rising Sun, rosy orange, blotched with carmine; wings bluish white . . . . .	5	10 25 80
			Vesuvius, violet and rose; distinct but not brilliant . . . . .	5	10 20 60
			<b>PINK AND WHITE.</b>		
			Bride of Niagara, double (see Novelties, page 18) . . . . .	5	15 40 1 50
			Blanche Ferry . . . . .	5	10 20 60
			Extra Early Blanche Ferry . . . . .	5	10 25 80
			Empress of India . . . . .	5	10 20 60
			Little Dorrit . . . . .	5	10 20 60
			Painted Lady. . . . .	5	10 20 60

DEEP PINK OR ROSE.		Pkt.	oz.	¼ lb.	lb.
Sweet Peas, Adonis (see Miss Hunt)		5	10	20	60
Her Majesty, beautiful soft rosy pink, very large, showy, handsome; a flower difficult to describe		5	10	25	80
Lady Beaconsfield, saluon standard, tinted with rose; wings pale yellow		5	10	25	80
Lady Penzance, pale, but very bright rose; striking and distinct		5	10	30	1 00
Miss Hunt (Adonis), carmine, salmon and soft pink		5	10	20	60
Oddity, pale carmine and bright rose		5	10	20	60
Royal Rose, bright pink and blush white		5	10	30	1 00
The Queen, standard light rosy pink, wings mauve		5	10	25	80

SCARLET.		Pkt.	oz.	¼ lb.	lb.
Brilliant,		5	15	35	1 25
Cardinal, bright shining crimson scarlet		5	10	20	60
Duchess of Edinburgh, standard light scarlet, wings flushed with crimson		5	10	20	60
Firefly, brilliant deep scarlet		5	10	30	1 00
Ignea, fiery crimson scarlet standard, wings pale scarlet, flushed with purple		5	10	20	60
Invincible Carmine, bright shining crimson scarlet		5	10	20	60
Invincible Scarlet		5	10	20	60
Mars, intense scarlet, fine form		5	10	30	1 00
Salopian, (new) deep crimson suffused with orange scarlet		5	15	35	1 25

VARIEGATED.		Pkt.	oz.	¼ lb.	lb.
America, cardinal stripe on white ground		5	10	30	1 00
Aurora, standard and wings white, flaked and striped with orange salmon		5	10	25	80
Columbia, (new) white suffused with pink and purple		5	10	25	80
Daybreak, white, veined and mottled with scarlet		5	10	25	80
Duchess of York, white, deeply striped and barred with delicate pinkish purple		5	10	25	80
Fairy Queen, wings white, standard blush, pink penciled		5	10	25	80
Gaiety, standard white striped, flaked with bright rosy lilac		5	10	20	60
Gray Friar, beautiful watered-purple on white ground		5	10	25	80
Juniata, pure white, lavender striped		5	10	25	80
Mikado, white stripe on orange-cerise ground		5	10	20	60
Mrs. Joseph Chamberlain, white, striped and flaked heavily with bright rose		5	10	25	80
Princess of Wales, shaded and striped with mauve and purple on white ground		5	10	20	60
Queen of the Isles, red and white		5	10	20	60
Ramona, creamy white, daintily splashed with pale pink		5	45	35	1 25
Scarlet and White Striped		5	10	20	60
Senator, creamy white, chocolate striped		5	10	20	60
Striped Celestial, (new) mauve and white		5	10	25	80

YELLOW.		Pkt.	oz.	¼ lb.	lb.
Primrose, pale primrose yellow		5	10	25	80
Golden Gleam, the nearest approach to a true yellow		5	15	35	1 25
Mrs. Eckford, large, handsome self-colored flower, of the finest substance, peculiarly delicate shaded primrose		5	10	25	80

TRI-COLOR.		Pkt.	oz.	¼ lb.	lb.
Sweet Peas, Captain Clark, red, white and blue penciled		5	10	20	60

WHITE.		Pkt.	oz.	¼ lb.	lb.
Alba Magnifica, pure white		5	10	20	60
Blanche Burpee, Eckford's newest white		5	10	25	80
Emily Henderson, large, pure white		5	10	25	80
Mrs. Sankey, pure white and large		5	10	20	60
Queen of England, a good white variety		5	10	20	60
The Bride, latest introduction of pure white		5	10	25	80

DWARF VARIETIES.		Pkt.	oz.	¼ lb.	lb.
Full size packet.					
Cupid, White		5	10	30	1 00
Cupid, Pink		5	15		
Cupid Beauty, new		25			
Cupid, Alice Eckford, new		25			
Cupid Primrose, new		25			

DOUBLE VARIETY.		Pkt.	oz.	¼ lb.	lb.
Bride of Niagara. See Novelties, page 18		5	15	40	1 50

One five-cent packet from each of above eighteen different groups for only 75 cents, or one five-cent packet from any nine of the above different groups for only 40 cents.

Eckford's Gilt-Edge, Special Mixed, per lb. 60 cents; ½ lb. 35 cents; ¼ lb. 25 cents; oz. 10 cents; packet 5 cents.

**Vick's "Invincible Mixture,"** superior selected strains. The mixture introduced as "Vick's Invincible" we know will please the most exacting. For flowers of delicate colors, varying from pearly white to the richest reds and purples, the "Invincible" leads, because it is the result of selecting, year after year, seeds from the choicest flowers. The mixture cannot fail to give satisfaction. Per packet, 10 cents; oz. 15 cents; ¼ lb. 50 cents; ½ lb. 80 cents; pound \$1 50.

**Sweet Peas at Wholesale Prices.** Our sale of Sweet Peas last year was enormous—and from the testimonials received we know the seed was satisfactory. We offer a fine mixture composed of the standard sorts, at the following prices; Per oz. 5 cents; ¼ lb. 20 cents; ½ lb. 25 cents; lb. 50 cents.

(See also Novelties, page 18.)

The following variety is not a climber, but a creeper, and nice for baskets; not fragrant.

Peas, Scarlet Winged, beautiful flowers; packet 5 cents.

**PEAS, Perennial. Perennierende Wisc.**

Perennial Peas, perfectly hardy. Grow five feet high. White, Red, or mixed varieties; each 10

**Pauline Salter.** Flowers large, finely formed and of a beautiful, delicate, clear shade of pink. A showy plant in the shrubbery. . . . 15

For the convenience of those who may know the name but not the color of the flower, the index below will direct them to the group in which will be found the description and price of the variety desired:

Apple Blossom,—Pink.  
 Alice Eckford,—Pink.  
 Adonis,—Deep Pink or Rose.  
 America,—Variegated.  
 Aurora,—Variegated.  
 Alba Magnifica,—White.  
 Blue Edge,—Blue or Lavender edged.  
 Butterfly,—Blue or Lavender edged.  
 Boreatton,—Maroon.  
 Blushing Beauty,—Pink.  
 Blanche Ferry,—Pink and White.  
 Bride of Niagara,—Double Varieties.  
 Brilliant,—Scarlet.  
 Blanche Burpee,—White.  
 Captain of the Blues,—Blue.  
 Countess of Radnor,—Lavender.  
 Celestial,—Lavender.  
 Captivation,—Magenta.  
 Coquette,—Pink.  
 California,—Pink.  
 Crown Jewel,—Pink.  
 Crown Princess of Prussia,—Pink.  
 Countess of Aberdeen,—Pink.  
 Countess of Powis,—Orange Pink.

Cardinal,—Scarlet.  
 Captain Clark,—Tri-color.  
 Columbia,—Variegated.  
 Cupid,—Dwarf Varieties.  
 Duke of Clarence,—Claret.  
 Dorothy Tennant,—Reddish Mauve.  
 Delight,—Pink.  
 Daybreak,—Variegated.  
 Duchess of York,—Variegated.  
 Emily Eckford,—Reddish Mauve.  
 Extra Early Blanche Ferry,—Pink and White.  
 Empress of India,—Pink and White.  
 Emily Henderson,—White.  
 Firefly,—Scarlet.  
 Fairy Queen,—Variegated.  
 Golden Gate,—Blue or Lavender edged.  
 Gaiety,—Variegated.  
 Gray Friar,—Variegated.  
 Golden Gleam,—Yellow.  
 Her Majesty,—Deep Pink.  
 Indigo King,—Maroon.  
 Isa Eckford,—Pink.  
 Ignea,—Scarlet.

Invincible Carmine,—Scarlet.  
 Invincible Scarlet,—Scarlet.  
 Junita,—Variegated.  
 Katherine Tracy,—Pink.  
 Lottie Eckford,—Blue or lavender edged.  
 Lemon Queen,—Pink.  
 Lovely,—Pink.  
 Lady Penzance,—Deep Pink.  
 Lady Beaconsfield,—Deep Pink.  
 Little Dorrit,—Pink and White.  
 Maid of Honor,—Blue or lavender edged.  
 Monarch,—Maroon.  
 Mrs. Gladstone,—Pink.  
 Miss Hunt,—Deep Pink.  
 Meteor,—Orange Pink.  
 Mars,—Scarlet.  
 Mikado,—Variegated.  
 Mrs. Joseph Chamberlain,—Variegated.  
 Mrs. Sankey,—White.  
 Mrs. Eckford,—Yellow.  
 Navy Blue,—Blue.  
 New Countess,—Lavender.  
 Oddity,—Deep Pink.  
 Princess May,—Lavender.

Purple Prince,—Maroon.  
 Peach Blossom,—Pink.  
 Prima Donna,—Pink.  
 Princess Beatrice,—Pink.  
 Painted Lady,—Pink and White.  
 Princess of Wales,—Variegated.  
 Primrose,—Yellow.  
 Queen of the Isles,—Variegated.  
 Queen of England,—White.  
 Royal Robe,—Pink.  
 Royal Rose,—Deep Pink.  
 Rising Sun,—Orange Pink.  
 Ramona,—Variegated.  
 Stanley,—Maroon.  
 Shahzada,—Maroon.  
 Salopian,—Scarlet.  
 Scarlet and White,—Variegated.  
 Senator,—Variegated.  
 Striped Celestial,—Variegated.  
 The Queen,—Deep Pink.  
 The Bride,—White.  
 Venus,—Pink.  
 Vesuvius,—Orange Pink.  
 Waverly,—Claret.

**TWELVE OF THE FINEST.**

The following varieties comprise all shades from lightest to darkest, and are selected for the benefit of our friends who prefer to leave the choice to our judgment. We consider these among the best.

Blanche Ferry.  
 Brilliant Scarlet.  
 Countess of Powis.  
 Daybreak.  
 Gray Friar.  
 Mrs. Joseph Chamberlain. The Bride.

Mrs. Gladstone.  
 Prima Donna.  
 Primrose.  
 Stanley.  
 Senator.

These were packed and put up neatly before the busy season was upon us, for this reason we can make the price very low, that is, 5 cents each, or the set of twelve for only 40 cents, or \$1.00 for an ounce of each.

**TWELVE ONLY 40 CENTS**

# PLANTS OF CLIMBERS.

## AMPELOPSIS.

### Ampelopsis.

**Ampelopsis Veitchii** (Boston or Japanese Ivy.) This hardy variety clings firmly to the side of a house or wall, and will soon form a perfect mass of foliage; the leaves overlap with wonderful regularity. A beautiful climber and a great favorite. In Autumn this unique plant assumes its greatest beauty, changing until it is a glowing mass of the brightest shades of crimson, scarlet and orange. Hardy . . . . . 20

**quinquefolia**, or **Virginia Creeper**, sometimes called American Ivy and Woodbine; rapid grower, foliage crimson in autumn; hardy perennial . . . . . 20

## DUTCHMAN'S PIPE.

The **Aristolochia** (Dutchman's Pipe) is a floral curiosity. It is a rapid growing hardy climber, attaining a height of 30 or more ft.; large leaves 10 inches across; curious pipe-shaped yellowish brown flowers three or four inches long.

Strong plants, two years old, each 30 cents; three years old . . . . . 50

## Akebia Quinata.

A Japanese, hardy climbing plant; handsome compound leaves with five leaflets; purplish flowers and purplish mottled berries. An interesting plant. Plants, each . . . . . 25

## BIGNONIA.

A fine hardy climbing plant, producing large trumpet-shaped, orange-scarlet flowers about three inches long. They are produced in clusters, and are quite as handsome in bud as when fully expanded. The foliage is also very beautiful. This plant is not only an admirable climber, but on the lawn makes a pretty bush if the tops are cut back.

**Bignonia radicans**, or **Trumpet Creeper** . . . . . 20

## Clematis.

**Madame Edouard Andre**. A valuable new variety, distinct new color; fine bright crimson, with no purplish shade about it. Large flowers, borne so profusely that it has been called **Crimson Jackmanni**. . . . . 50  
See page 11.

## CLEMATIS.

### Clematis.

No flower has more rapidly advanced in favor than the Clematis, and it is now the favorite climber of the world; makes a rapid growth, producing its showy flowers in great profusion. Cannot be excelled. In the fall give plants a good top dressing of well rotted manure. The following spring spade it in carefully, mixing well with the soil, and it will prove very beneficial to the plants. Hardy. See Novelties and specialties, page 11.

**Clematis Jackmanni**, flowers large, intense violet-purple; produced in great profusion; blossoms from four to six inches in diameter. The most beautiful hardy climber in cultivation. Strong plants, per dozen \$5.00 . . . . . 50

**Henryi**, the best white variety, per dozen \$5.00 . . . . . 50

*A great bargain—one plant of each for 90 cents.*



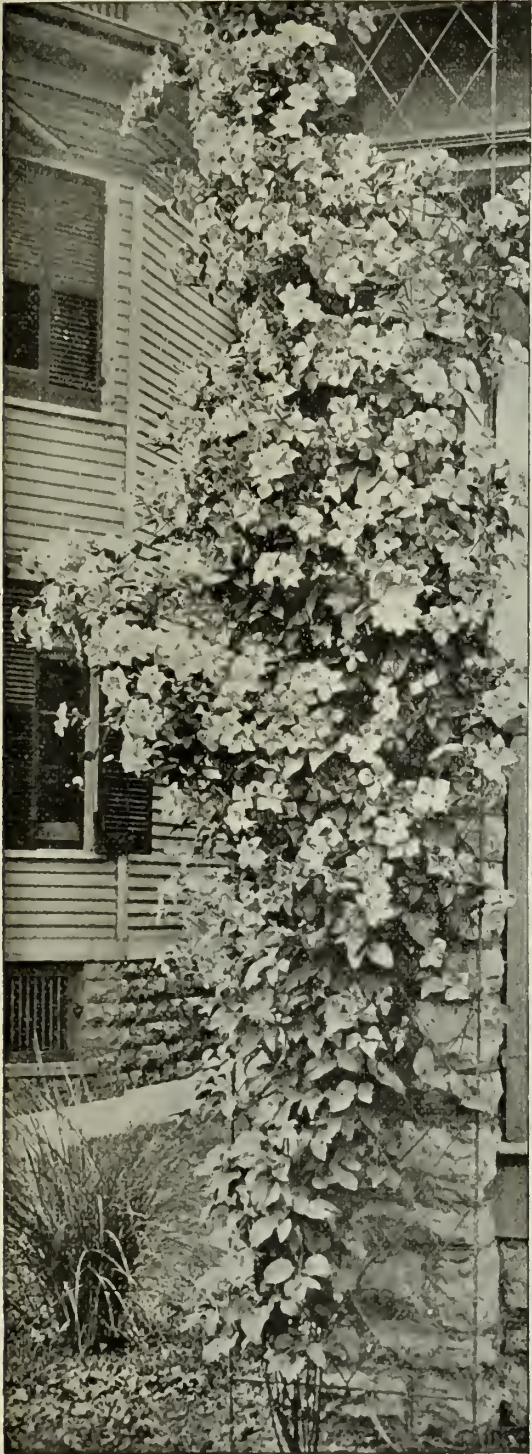
**Clematis Paniculata**, a remarkably beautiful climbing plant. Flowers pure white, star-shaped, about one inch in diameter, borne in large clusters; will last several days as cut flowers, retaining their freshness and fragrance. Plant is a strong, quick grower, has broad, healthy foliage which is seldom attacked by insects. A strong, blooming plant; two for 60 cents . . . . . 35

**Clematis Davidiana**. A vigorous, hardy plant, growing from two to four feet in height; handsome foliage, leaves growing in whorls around the stem; flowers produced in great profusion in clusters, from the axils of the leaves. The flowers are thus arranged in several tiers up the stems, and are bell-shaped, deep lavender or violet in color; very fragrant. One of the most desirable of hardy herbaceous perennials; strong plants; two for 40 cents . . . . . 25

**Ramona**, single flowers, color light lavender; same size as **Jackmanni**, **Henryi** and **Mad. Edouard Andre**, and with them makes a magnificent combination; each . . . . . 50

CLEMATIS PANICULATA.

AMPELOPSIS VEITCHII.



LARGE FLOWERING CLEMATIS.

**IPOMŒA--Moonflower.**

**Round Blume.**

**Ipomœa Bona Nox.** This variety of Ipomœa is offered under various names, such as Good Night, Evening Glory, and the like; a beautiful climber producing large, pure white, sweet scented flowers at night, and on dull, cloudy days. One of our most vigorous growers, attaining a height of 25 feet in one season, with ordinary culture. To keep over winter, the plant must be cut back, the roots potted, and kept in a growing condition. Per dozen, \$1.50, each . . . . . 15

**Ipomœa Learii.** Blue Moonflower. A splendid companion to plant with the White Moonflower, Ipomœa Bona Nox; flowers, the most intense violet blue with reddish purple rays, and are six inches across. There is nothing of its color that excels in richness the flowers of Ipomœa Learii. Per dozen \$1.50, each . . . . . 15



MOONFLOWER

**HARDY MOONFLOWER.**

**Ipomœa Pandurata.** This beautiful climber is tuberous rooted, perfectly hardy, and will increase in size and beauty with each season's growth. Flowers four to six inches in diameter, pure white, shading to pink, with a handsome purple throat; and are produced in such profusion that a well established plant will have hundreds of magnificent blooms upon it at once, making a grand sight. The flowers open in the daytime and last for several days before fading; they are larger and more showy than the ordinary Moonflower. Plants, six for \$1.00; each . . . . . 20

**PILOGYNE.**

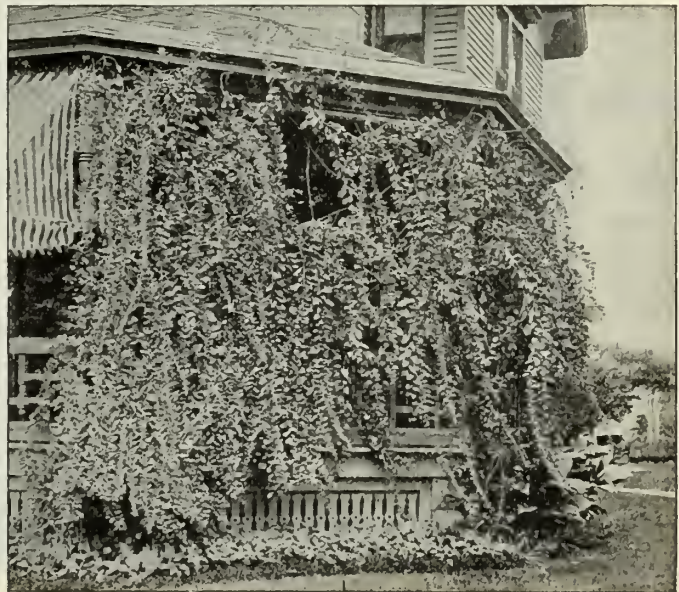
This beautiful rapid-growing climber is excellent for screens or verandas, in fact, for the latter it has no equal. Fine also for the house in winter. This plant, although so slender in appearance, makes wonderful growth, forming a mass of foliage that will entirely cover a window or screen in a short time. Tender climber.

**Pilogyne suavis,** per doz. \$2.00; each . . . . . 20

**CHINESE MATRIMONY VINE.**

A vigorous and hardy climber. Flowers bright purple, succeeded by scarlet berries nearly one inch long. Excellent for trellises.

Plants two for 35 cents, each . . . . . 20



MATRIMONY VINE.

All Seeds and Plants Listed in this Catalogue, Delivered Free of Postage or Express Charges, Except when Noted.

**HONEYSUCKLE.**

*Gaißblatt.*

The different varieties of the Honeysuckle are esteemed among the most desirable hardy climbers. The botanical name is *Lonicera*. These plants grow with great freedom in any good garden soil, and commence to bloom the second year from planting. Hall's Japan Honeysuckle is remarkable for the persistency of its leaves, the foliage usually remaining green and apparently perfect long after severe freezing weather, frequently, in this climate, until sometime in January. On this account it is very desirable to train over a porch.

- Honeysuckle, Hall's, an evergreen variety from Japan; flowers pure white, changing to yellow, very fragrant . . . . . 25
  - Japan golden-veined, foliage small, beautifully netted with yellow, flowers white, sweet . . . 25
  - Chinese Twining, flowers nearly white . . . 25
- Any two of the above for 40 cents.*

**MANETTIA VINE.**

**MANETTIA BICOLOR.** A beautiful twining plant, producing very showy tubular flowers from one to two inches in length, and in such great abundance that the plants are literally covered with them the entire season. The flowers are of the most intense fiery-scarlet, with bright yellow tip. As a pot plant to train on a trellis, it is unrivalled. In the open ground it also succeeds admirably. Tender. Plants, each 15 cts., two for 25 cts.

**MADIERA VINE,** a beautiful tender climber, flowers white, small, in long racemes; roots, per dozen, 50 cents; each . . . . . 5

I bought 25 cents worth of your fine *Nasturtium* seed and can count at least fifteen different varieties, all beautiful colors, long stems, and the flowers I have picked so far would fill a clothes basket several times. My *cosmos* is seven feet high and just covered with buds.  
ANNIE L. K.  
Cincinnati, Ohio.



HONEYSUCKLE.

**WISTARIA.**

*Wistrie.*

The Chinese *Wistaria* is a strong and rapid grower, desirable for trellises, porches etc. When well established it blooms profusely. The flowers are very showy and are produced in long racemes. In England the plant is often called the kidney bean tree and in Australia the grape flower vine. A large plant in bloom is a beautiful sight. Perfectly hardy.

*Wistaria Sinensis*, Chinese *Wistaria*, flowers light purple, extra strong roots . . . . . 30

**YAM,** Chinese (Cinnamon Vine) a very pretty running vine, with flowers of cinnamon fragrance; hardy; 15 cents each; two for . . . . . 25

**IVY, German or Parlor.** An old favorite that is very useful for hanging baskets and vases. Tender. Each . . . . . 15

**IVY, English,** the old popular variety, hardy, each . . . . . 20  
Two year old plants, each . . . . . 30

**PERENNIAL PEA,** flowers pink, in clusters Hardy . . . . . 25

**SMILAX,** a popular and well-known climber; foliage of a dark glossy green, used largely with cut flowers, wreaths, etc. Excellent for parlor or window culture Tender . . . . . 15

MESSRS. JAMES VICKS SONS,  
Dear Sirs—The seeds and plants ordered of you arrived safely Saturday afternoon, the plants I placed in the cellar until this morning when I potted them. Allow me to express my pleasure and surprise at the size and quality of the plants in the \$1.00 window collection. I am anticipating much pleasure in them.

Yours cordially,  
Mrs. W. F. B.  
Jacksonville, Ill.

**Climbing  
Roses.**

See pages  
of Novelties  
and  
Specialties.



CHINESE WISTARIA.

*Many new  
and rare  
varieties will  
be found in  
all the  
different  
departments  
as well as in  
the novelty  
pages.*





This department is devoted entirely to Bulbs and Plants that will bear a Northern winter without injury, like the Lilies, Peonies, Hardy Shrubs, etc. All Plants and Bulbs will be delivered at your Post Office at prices given (except as noted), unless specially ordered otherwise, or when in our judgment the expressage would be too costly. As it is much more difficult to pack to carry with safety a single plant than a larger number, we trust our customers will order accordingly. For economy and safety in packing it is best to order at least a dollar's worth of plants. When SEEDS and BULBS or TENDER PLANTS are ordered together, if not safe to send all, on account of cold weather, the SEEDS will be sent at once, and the BULBS and PLANTS as soon as safe. Should the weather be unfavorable, or the ground not prepared on their arrival, Hardy Plants, Roots, etc., had better be placed in the cellar, the Lily and the Peony, being covered with about two inches of moist (not wet) soil, while shrubs and grasses, like the Hydrangea, Deutzia, Eulalia, etc., require only their roots covered, with the soil made firm around them.

## ACHILLEA "THE PEARL."

Of low growth with flowers on strong erect stems. The blossoms are pure white, and large, making them very desirable for cutting. It is perfectly hardy and blooms nearly the whole season. Strong roots, each, 20 cents; three for 50 cents; seven for \$1.00.

## ANEMONE. Windröschen.

One of the best hardy, autumn-flowering plants; dark green foliage; the flower stems grow 18 inches high, bearing from a score to a hundred flowers, continuing to improve until destroyed by frost.

- Anemone Japonica alba, pure white . . . . . 20
- rubra, deep rose color . . . . . 20
- elegans, color carmine with yellow center and dark eye . . . . . 20

The above three sorts for 50 cents.

coronaria, of low growth, flowers early. Roots double or single, doz . . . . . 25

### Double Anemone, Whirlwind.

Blooms profusely every autumn; perfectly hardy, and once planted will live for years. This plant, which we introduced in the spring of 1894, in habit is like the well-known White Japan Anemone, and even more abundant in blooming. The flowers are double, white, 2½ inches across, and last much longer than those of the single varieties. Plant about 2½ feet high, with large and plentiful foliage. Good strong plants, each, 20 cents; two for 30 cents; per dozen, \$1.60.



DOUBLE ANEMONE "WHIRLWIND."

## ALPINE ASTER.

Aster Alpinus is a perfectly hardy perennial. The plant is a dwarf grower, from seven to nine inches high; is very vigorous and sends up numerous stems of flowers, daisy-like, about two inches in diameter with violet or sky-blue rays, and a yellow disk. The flowers are excellent to cut for vases. It blooms the last of May and in June. Two year old plants that will bloom this summer, by mail, 20 cents each; four for 70 cents; ten for \$1.50.

## ALTHÆA.

ROSE OF SHARON, beautiful shrub, blooming early in the fall; double red and double white; single red and double variegated; each . . . . . 25

## HARDY AZALEA.

Azalea Mollis is one of our most gorgeous flowering shrubs. The bright flowers, orange, yellow, pinkish red, etc., are borne in clusters before the leaves appear in May. Strong plants, each, 40 cents; dozen, \$4.00. Extra strong plants, each, 75 cents; dozen, \$8.00.

## BERBERIS THUNBERGII.

A handsome low-growing form of barberry of Japanese origin; foliage abundant, leaves small obovate, flowers reddish; berries bright crimson and remain on the bush all winter. In autumn the leaves turn a bright red and make a great display. It is a beautiful plant for the lawn or the front of the shrubbery, and is unequalled for a low-growing ornamental hedge. Plants 25 cents each.

CLEMATIS DAVIDIANA. See page 58.

## CALYCANTHUS FLORIDUS.

SWEET-SCENTED SHRUB.—This plant is also known as Carolina All-Spice. It is one of the most interesting and desirable of the medium-sized shrubs; average height six to eight feet; handsome foliage; leaves and young wood aromatic; flowers about one inch in diameter, of a dark purple or chocolate color, and when bruised or crushed emit a strong odor of strawberries. Blooms at intervals during summer. A valuable hardy shrub. Strong plants 25 cents each.

## DAY LILY.

The Funkia, called the Day Lily, is a very superb autumn flower, that is desirable for planting on the side of a lawn or at edge of shrubbery.

- Day Lily, White, (Funkia alba), hardy, handsome, sweet-scented 20
- Yellow, (Hemerocallis flava) flowers clear canary yellow; very fragrant . . . . . 20
- Japonica, light blue, with narrow foliage . . . . . 20
- cœrulea, dark blue, with broad, glossy foliage . . . . . 20

undulata media picta (variegated), lavender, foliage light green, beautifully variegated with white. One of the most beautiful hardy plants in cultivation, without an equal for cemetery planting . . . 20

The above five sorts for 90 cents.

Golden Day Lily. See novelty page 15.

## DEUTZIA.

### Deutzia

We can highly recommend the Deutzias for hardiness, good habit, the great profusion in which they produce their flowers, and in every respect as being among the most desirable hardy shrubs in cultivation. The flowers are in racemes from four to six inches in length. Strong plants each 25 cents

- Deutzia gracilis, flowers white, single; entirely covering the branches. crenata flore pleno, flowers double, white, with back of petals pinkish. Double White, pure white, making it one of the best spring flowering shrubs. Pride of Rochester, flowers pure white, large and double, reverse of petals delicate rose; very handsome.

The collection of four plants 80 cents.

Lemoine, a new Deutzia of great merit. Flowers more than double the size of D. Gracilis and Parviflora of which it is a hybrid. Has received awards of merit from foreign Horticultural Societies. Each 35 cents.

## DELPHINIUM (Larkspur).

Delphiniums or Larkspurs are valuable plants. Formosum is a most brilliant dark blue, the finest blue flower known among our hardy plants. Delphinium formosum, dark blue . . . . . 20

## HARDY CHRYSANTHEMUMS.

This valuable class of late-blooming perennials is worthy a place in every garden. They flower long after the early frosts.

- Blushing Bride, white, deeply tinged with pink.
- Belle Portevine, pure white.
- Gustave Grunerwald, pink, passing to blush white.
- Roi des Precoces, crimson.
- Golden Glow, double yellow.

Each 30 cents; set of five for \$1.20.



GOLD FLOWER.

**GOLD FLOWER.**

**Hypericum Moserianum.**—This variety was produced by crossing *Hypericum calycinum*, a hardy European shrubby species, with *H. patulum*, a Japanese hardy herbaceous species. It is of a low, spreading, branching growth, with handsome leaves, the upper side much darker than the lower. As a pot plant it is very handsome, with its clean, dark green foliage as a background for the flowers,—great showy yellow disks, as brilliant in their reflection as burnished gold. The flowers are from two to three inches across, of a very bright shining, golden yellow and bear numerous handsome stamens. The plant should be given a place in a well drained border, and receive good care; on approach of winter give it a covering of leaves to conserve its vigor, that it may make a strong growth at the start in spring. Extra strong plants 20 cents each; two for 35 cents.

**GYPSOPHILA.**

*Gypsophila* are valuable for bouquet making, either green or dried. They are very graceful and easily cultivated. Should be in every garden. *Paniculata* continues to bloom several years. *Gypsophila paniculata*, perennial; white, fine for cutting. Each . . . . . 20

**DICENTRA.**

*Dicentra spectabilis*, or Bleeding Heart, bears heart-shaped deep pink flowers. Excellent for the garden, and perfectly hardy everywhere, and for the house there are few plants that will give more pleasure for so little trouble and expense. *Dicentra spectabilis* . . . . . 25

**ELEAGNUS LONGIPES.**

A hardy, vigorous growing shrub with handsome foliage, dark green above, silvery white beneath; bark is reddish-brown in winter. Bright yellow flowers; fruit oblong, bright red, covered with small white spots, and is juicy and edible; it has a sharp pleasant flavor, and by some is preferred to currants or gooseberries. Plants each 25 cents; three for 50 cents.

**HELIOPSIS Pitcheriana**, a new hardy perennial, three feet high, broad and bushy, and a perpetual bloomer; flowers a deep golden yellow, two inches across. Very fine for cutting . . . . . 20

**FORSYTHIA Fortunii**, "Golden Bells." Showing dense masses of yellow flowers in April; 3 feet. Plants each . . . . . 25

**Flowering Pea Bush.**

A new hardy flowering plant; grows three to four feet in height. Usually blooms the first season.

**Desmodium Penduliflorum.** A native of Japan. Flowers are pea-shaped, a light purple color, and are produced from August until frost comes. This plant combines hardiness, beauty of form, and a most abundant blooming habit. It is all the more valuable that the blooming season is late when other shrubs are flowerless . . . 30

**EULALIA.**

*Cultic.*

The *Eulalias* here offered are handsome, tall ornamental grasses for the open lawn, or to be grown in clumps in the borders of shrubbery; their exceedingly graceful habit of growth and elegant colors give them a very tropical appearance, and add very much to the beauty and variety of the home grounds. Plants are hardy in this section, though a light protection of litter during the cold months would doubtless be an advantage.

**Eulalia gracillima univittata.** The most beautiful of the *Eulalias*; foliage narrow, dark green, with a silvery white midrib. Strong plants, each . 25  
**Japonica variegata.** In this variety the variegation of the leaf is lengthwise. It is very similar in habit to *E. Japonica zebrina*. Strong plants, each . . . . . 25  
**Japonica Zebrina.** The variegated marking in this plant is across the leaf, instead of lengthwise. In fall it bears large tassel-like plumes. These may be used as parlor ornaments and will last for years. Strong plants, each . . . . . 25  
*The set for 60 cents.*

**DICTAMNUS Fraxinella.** (Natural Gas Plant.) A very showy border perennial, forming a bush about two feet in height having fragrant foliage, spikes of curious flowers, giving off during the hot weather a fragrant volatile oil which under some conditions may be lighted when a match is applied to it. Plants each 25 cents; three for 60 cents.



ELEAGNUS LONGIPES.

**HYDRANGEA.**

*Gortensie.*

This is one of the finest hardy shrubs in cultivation; the flower trusses are large, in panicles from nine to twelve inches in length, and nearly as broad; color white at first, but changes to deep pink as the season advances. The plant attains a height of five to eight feet, and is remarkable for its bold erect habit. The engraving well portrays the grandeur of this noble plant.

*Hydrangea paniculata grandiflora.* Prices according to size. First size, each 40 cts.; two for 70 cts.; three for \$1.00. Second size, each 25 cts.; three for 60 cts. Third size, each 15 cts.; six for 75 cents.

**HIBISCUS.**

*Hibiscus Crimson Eye.* Is a robust grower with dark red stems and handsome foliage. The flowers are immense in size, often measuring 20 inches in circumference. The color is pure white with a velvety crimson center in each flower. It will succeed anywhere and is perfectly hardy, blooming the first year after planting. Plants 20 cts. each; two for 35 cts.

**Large Flowering.** Perfectly hardy in any place; and is one of the most beautiful hardy flowering plants we have. Each spring the plants send up numerous branches to a height of five or six feet. Flowers are as large as a saucer, very attractive and produced in great profusion from July to September. The color is a deep pink.



HARDY HYDRANGEA.

**HOLLYHOCK.**

*Mäve.*

We have excellent, healthy young plants grown from seed, that will bloom the first summer. Give the plants a light covering of coarse litter for winter protection.

**Hollyhock, double.** Salmon, maroon, red, white, pink and yellow, each 20 cents.

*Any set of six colors, all blooming plants, for \$1.00.*

**New Fringed Mammoth Allegheny.** Great improvement on the old-fashioned single Hollyhock. Flowers single, transparent, fringed, Chrysanthemum-shaped, seldom less than five inches, and often seven inches across. Perpetual bloomer; has from two to four buds where old style had only one. Price each, 35 cents; one dozen for \$4.00.

JAMES VICKS SONS,

*Gentlemen:* — I have always found your seeds true and honest. This year I carried off first prizes at our fair on beans, potatoes and cauliflower. The Dahlias, Clifford W. Bruton and Henry Patrick, are now in bloom and admired by all who see them. If any person wishes a good collection of free flowering Begonias with large flowers, nothing that I have seen will so fully satisfy for a small amount as your collection of Tuberous Begonias. Portage la Prairie, Man., Aug. 13, 1898.

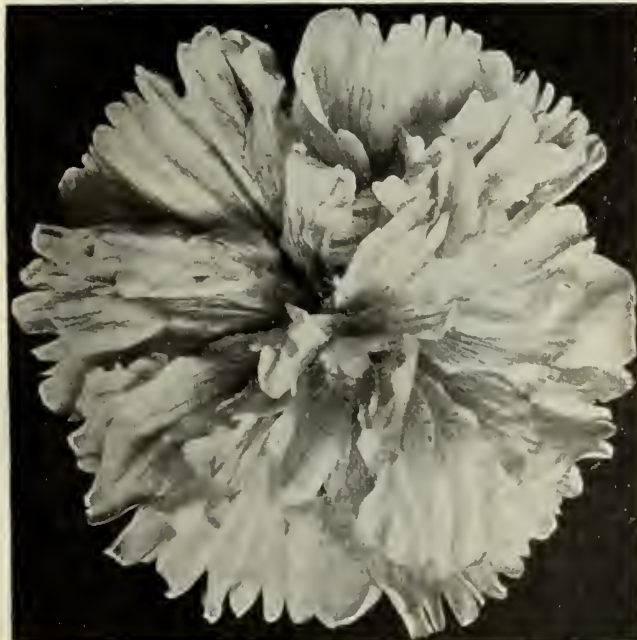
W. E. M. & Son.

JAMES VICKS SONS,

I write to thank you for the pleasure we have in *Hemeroallis aurantiaca* which you sent us this spring. We hardly expected any flowers from it this year, but it has grown vigorously from the first and sent up a strong stalk with eight buds, which unfold one at a time and attract much attention.

It is planted in company with *H. Flava*, *H. Dumortien* and *A. Thunbergia* and is the largest and most conspicuous of the four. It is a decided acquisition to my little collection. Topeka, Kan., June 25, 1898.

A. T. D.



NEW FRINGED HOLLYHOCK.



HIBISCUS CRIMSON EYE.

## IRIS KÆMPFERII.

The Japanese Iris grow three to four feet high, the flowers are large. The colors include various tints of pink, rose, lilac, white, lavender, crimson, purple, blue and intense yellow. Plants are quite hardy, require liberal watering, and bloom abundantly in July and later, after the ordinary kinds have ceased flowering. Having over fifty distinct varieties we can make a fine selection of assorted colors (no two alike) when wanted. Price, assorted colors, 15 cents each; two for 25 cents; five for 50 cents.

## LILAC.

**Lilac Rothmagensis Rubra.** Flowers red, panicles very large, one of the finest. See cut.

**Marie Legraye.** A beautiful large flowering variety. The best single white.

**President Grevy.** Large double light blue or lavender flowers. Panicles exceedingly large, 10 to 11 inches in length and 4 to 5 inches across.

**Ludwig Spaeth.** The finest of its color, panicles large, single, dark purple flowers. Each 50 cents.

## Montbretia Crocosmiflora.

A very desirable acquisition to our summer flowering plants. The bulbs, planted in groups six inches apart, throw up large spikes of star-shaped flowers of a rich orange and red color. The spikes are from twenty to thirty inches high. They flower freely the first season. Bulbs, three, 10 cents; per doz., 25 cents; per 100, \$1.75.

## LILIES.

For general list see page 16.

## LILY OF THE VALLEY.

Hardy perennial. When planted out of doors set the pips six inches apart and two inches deep in a partially shaded place. For house culture plant in pots about one inch apart in moss or sand and water freely, then set the pots out of doors where they may freeze a day or two, after which bring them in doors and after thawing water freely and set in a sunny place in the window. Pips can be ordered in December for house culture, or in spring or fall for garden culture. **Lily of the Valley.** Sweet, graceful and delicate. Pips, half dozen, 25 cents; dozen, 40 cents; fifty, \$1.40; 100, \$2.50.

## HARDY WATER LILIES.

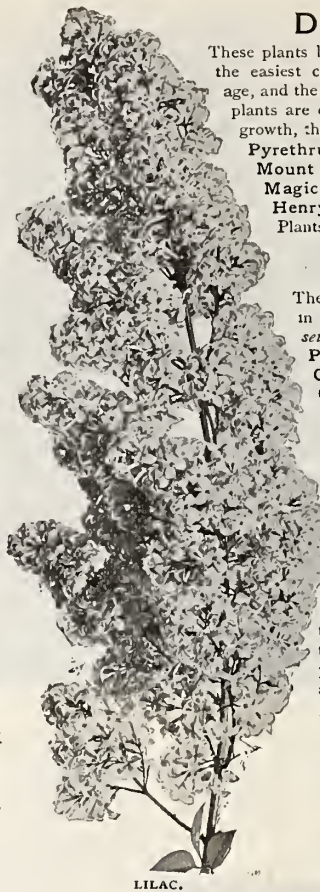
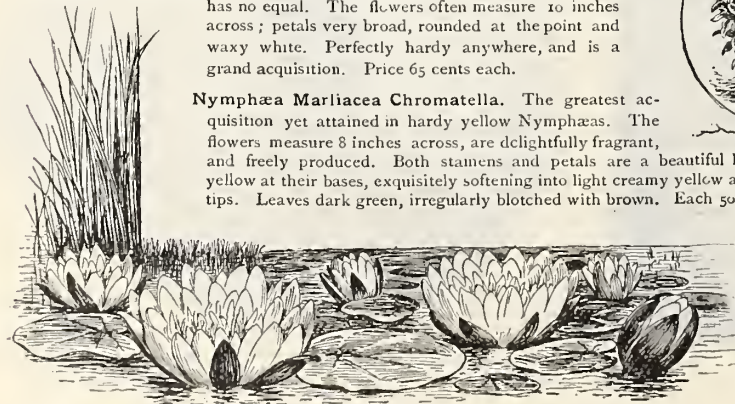
### Waffertile.

Nymphæas can be grown in any swampy piece of ground, and even in tubs of water sunk in the ground, or on the surface, and in aquariums in the house, with soil or mud at the bottom. For ponds, if a soft, muddy bottom, tie root to a stone to sink it, and drop it in near the shore in two or three feet of water.

**Nymphæa odorata.** Common white water lily, very fragrant. Each 20 cts. **odorata rosea,** (Cape Cod Pink.) For years this has been the choicest of all pink varieties. It is a most satisfactory plant to grow, on account of its profusion of bloom all summer and being as hardy as an oak. You should not fail to have this choice variety. Price 50 cents each.

**alba candidissima.** The large variety of Europe. For years this was the standard white variety. Whenever an abundance of bloom is desired it has no equal. The flowers often measure 10 inches across; petals very broad, rounded at the point and waxy white. Perfectly hardy anywhere, and is a grand acquisition. Price 65 cents each.

**Nymphæa Marliacea Chromatella.** The greatest acquisition yet attained in hardy yellow Nymphæas. The flowers measure 8 inches across, are delightfully fragrant, and freely produced. Both stamens and petals are a beautiful lemon-yellow at their bases, exquisitely softening into light creamy yellow at their tips. Leaves dark green, irregularly blotched with brown. Each 50 cents.



LILAC.

## DOUBLE PYRETHRUM.

These plants bloom from May to July, according to locality. They are of the easiest culture, and form large graceful plants, with fern-like foliage, and the large aster-like flowers are produced in abundance. If the plants are cut back after blooming, and encouraged to make a new growth, they will again flower profusely in autumn. Entirely hardy.

**Pyrethrum, Captain Nares.** Crimson-scarlet, large, full.

**Mount Blanc.** Pure white, double.

**Magician.** Bright pink, edge of petals tipped with gold.

**Henry Murger.** Dark purple.

Plants 25 cts. each; one plant of each for 90 cts.

## PINK. Ferdette.

The double Garden Pinks bloom early, are very fragrant, dwarf in habit and make fine edgings for walks. Each 15 cents; set of six named varieties, 75 cents.

**Pink, Essex Witch,** fine dark pink.

**Gertrude,** white with pink center.

**Grass or June Pink,** feathery pink flowers.

**Juliet,** rose pink.

**New Mound,** blush pink, fringed.

**Her Majesty,** double, pure white, one of the best. See novelties, page 19.

## PERENNIAL PHLOX.

The flowers of the Perennial Phlox, when the plants get strong, are immense bunches of bloom, from the purest white to crimson. Plants will increase in size, and may be divided at the roots every two or three years. When in flower they are two feet or more high. The following list contains the most select from all the best varieties. Those offered produce large trusses of bloom, perfect individual florets, and are continuous bloomers. Each 20 cts.; three for 50 cts.

**Perennial Phlox, August Riviere,** fiery red, shaded violet.

**Coccinea,** deep fiery-scarlet, dark eye.

**Cross of Honor,** white, striped with lilac.

**Coquette,** pure white, soft, rosy crimson eye.

**Countess de Castries,** white, small rosy eye.

**Edgar Quinet,** rosy amaranth.

**Eclaircur.** Flowers of immense size, carmine salmon center, rosy white star.

**E. Levavasseur.** The finest pure white variety.

**Edith,** pure white, very fine lavender eye.

**Isabey,** orange salmon, center purplish-crimson.

**Julie Russell,** pure white, rosy crimson eye.

**Lothair,** rich salmon, crimson eye.

**Madame Devert,** deep pink, carmine eye, very dwarf.

**Mlle. Cuppenheim,** pure white, dwarf.

**M. Bezanson,** fiery crimson, with velvety purple eye.

**Pantheon,** pink or salmon rose, one of the best and most distinct.

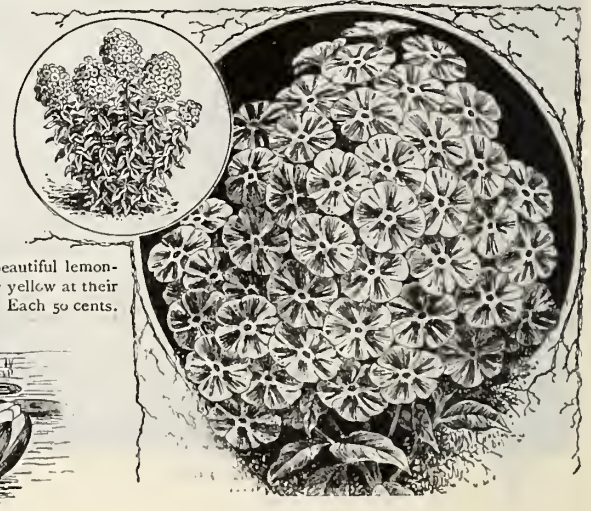
**Premier Ministere,** rosy white, center deep rose.

**Richard Wallace,** white, violet center, very large.

**Renommee,** clear violet, with white eye.

**Surprise,** irregularly shaded, white and lilac, large crimson eye.

**Virgo Marie,** pure white, magnificent.



PERENNIAL PHLOX.

## CHINESE PEONIES.

### Chinesische Päonie.

The Chinese Peonies are desirable on account of their large size, fine colors and profuse blooming. They are perfectly hardy, never suffering injury from cold and will succeed on any ground unless so wet that the water will lie on the surface in the winter and spring. They may be planted either in the autumn or spring, and are transplanted with greater safety than most any other plant—not one in a hundred failing.

Extra fine roots, each 25 cts.; dozen, \$2.50, except as noted.

**Peonies, Active, rose, flowers large, very compact.**

**Brujei, light rose, fine.**

**Double White, 35 cents each.**

**Dr. Bretonneau, rose.**

**Duchess de Nemours, pink and rose, shaded lilac.**

**Dugne line, rose, very fine.**

**Elegantissima, outside petals rose, center cream and rose.**

**Festiva Maxima, pure white, with crimson markings in center, large and fine, 35 cents.**

**Fragrans, one of the best pink varieties.**

**Fulgida, crimson, large flower; 35 cents each.**

**Lamartine, very dark crimson; 35 cents each.**

**Limbata, rose, large, fine.**

**Lutea Rosea, rose, tinged with lilac.**

**Lilacina plena, pale rose, center yellow.**

**Madame Morren, outside petals blush, center salmon and rose.**

**Nivalet, rose.**

**Perfection, rose, center salmon, marked purple.**

**Plenissima rosea superba, deep rose, tinged with salmon.**

**Pomponia, large, pink, with salmon center.**

**Purple Crown, purple and crimson, very effective; 35 cents each.**

**Reevesii, delicate rose, center fringed.**

## CALIFORNIA PRIVET.



California Privet is a strong vigorous hardy plant, valuable for hedges. Fine habit and foliage. One of our best hedges. Illustration shows how thick and fine it grows. Three-year plants 2½ to 3 feet high, \$6.00 per 100, \$55.00 per 1000, express not prepaid. Two-year plants 15 inches high, \$4.00 per 100, \$35.00 per 1000, express not prepaid.

## SUNFLOWER. (Helianthus.)

### Sonnenblume.

These Helianthus are beautiful gems, perfectly hardy in this locality, but in colder regions a protection of coarse litter will be required. The plants attain a height of about four feet, and in their blooming season, in August and September, they are nearly covered with bright golden yellow double flowers, about the size of a Dahlia; they are very desirable for cutting.

**Helianthus Lateifrons**, a charming single flower. Plant of neat, distinct habit, forming a perfect pyramid of lovely flowers and foliage. The flowers are about four inches in diameter, of the richest golden yellow.

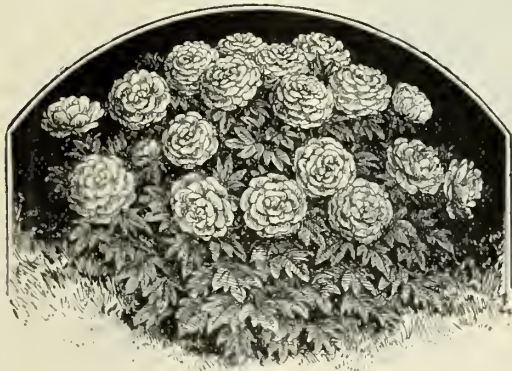
**Multiflorus plenus**, yellow flowers perfectly formed.

**Soleil d'Or**, The Golden Quilled Sunflower; similar to the above variety, except that the petals are quilled, like some of our finest Dahlias.

Plants, each 20 cents; dozen, \$2.00; or the set of three plants 50 cents.



HELIANTHUS.



**Roi Guillaume, light rose.**

**Smitzii, single, bright crimson, conspicuous yellow center, fragrant, one of the best.**

**Striata speciosa, pale rose, center nearly white.**

**Tenuifolia Flore Pleno.** See Novelty Pages.

**Triomphe du Nord, violet and rose, large and fine.**

**Variegata plenissima, rose and pink shaded.**

See also Novelty page 17.

## SNOWBALL. (Viburnum.)

### Schneeball.

**Japanese Snowball.** The bush is of lower and more compact growth than the old snowball and better furnished with foliage. The flowers are somewhat larger than those of the common form and of a purer white; remain longer in good condition. Each 25 cents.

**Plicatum.** Handsome plicated leaves, fine habit, flowers white and delicate. Each 25 cents.

**Viburnum Opulus**, the well-known snowball, produces large clusters of snow-white flowers in May. 25 cents.

**SYRINGA grandiflora**, flowers pure white, fragrant, a very popular shrub. Syringa Golden.

**microphylla.** A very pretty dwarf variety, handsome and symmetrical form; flowers pure white.

Each 25 cents, or set of three for 60 cents.

# SPIRÆA.

## Brutzru.

The spiræas are certainly in the front rank among flowering shrubs for the lawn or garden. Beginning as early as May to bloom, they produce flowers abundantly through the summer months, and are eminently satisfactory. No garden of ordinary dimensions should be without them. Perfectly hardy.

- Spiræa Billardi.** Billard's Spiræa. Flowers rose colored in terminal spikes or panicles and produced nearly all summer. A very desirable variety . . . . . 20
- Billardi alba.** This is similar to Billardi excepting that the flowers are white . . . . . 20
- Bumalda.** A Japanese species of dwarf or moderate growth. Flowers soft, deep rose color, appearing in July and continuing into autumn. Highly recommended. . . . . 20
- Douglassi.** Plant thrifty, growing from 4 to 5 feet high, and bearing large spikes or clusters of rose colored flowers all through the summer and into autumn. Very satisfactory. . . . . 20
- Palmata elegans,** is a beautiful, hardy, free summer flowering plant, with sweet-scented flowers, and red anthers. An exceedingly pleasing and useful plant for cut flowers. It is very satisfactory for the hardy herbaceous border. Plants five for 80 cents . . . . . 20
- prunifolia flore pleno.** Double plum-leaved spiræa. The well-known and popular variety, commonly called Bridal Wreath. Foliage in autumn turns to a fine bronze . . . . . 20
- Reevesii,** large round clusters of white flowers cover plant, rendering it very effective. . . . . 20
- Van Houttei**—Van Houtte's Spiræa. A vigorous plant that sends up numerous tall, slender shoots which curve over gracefully towards the ground and the last of May or in June literally cover themselves with pure white flowers and make of the bush a mass of snowy bloom. . . . . 20

(See Novelties, page 20.)

## SHRUBBY BLUE VERBENA.

**Blue Spiræa—Caryopteris Mastacanthus.**

A handsome, free-growing plant, either for pot culture or the open ground. A recent introduction from China. It attains a height of two feet, the fall, has numerous small blue or lavender colored flowers, clustered around the branch just above each pair of leaves. An excellent bee plant. Price, 20 cents each; two for 35 cents.



YUCCA

# YUCCA.

## Yucca.

The Yucca is a native of the Southern States and is a very stately, tropical-looking plant; as a decorative lawn or garden plant it is a desirable acquisition, either grown singly or in groups. It is a hardy evergreen, with long narrow bayonet-like leaves, from the center of which rises the stem, three to four feet high, producing an abundance of creamy-white, bell-shaped pendulous flowers. A very effective plant when in bloom. Grows well in sandy soil.

- Strong, one year roots . . . . . 20
- Strong, two year roots. . . . . 30

## WEIGELA.

Handsome summer flowering shrubs, with an abundance of tubular trumpet-shaped flowers, borne in clusters. Each, 25 cents; three for 60 cents.

- Weigela, Candida,** pure white.
- Rosea,** Well-known blush white.
- Nana variegata,** pink, leaves margined with creamy white.
- Desboisi,** deep rose.

# VIOLETS.

## Violet.

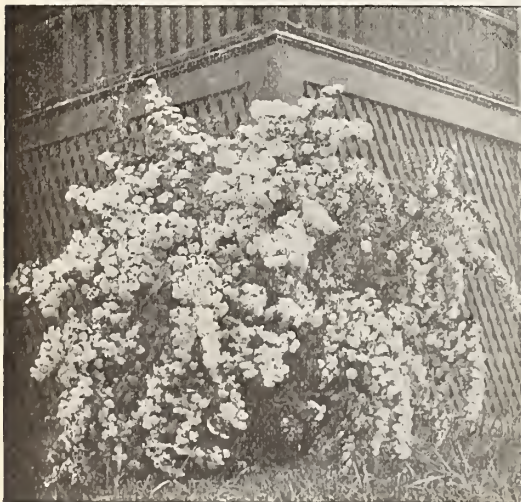
**Violet, California.** The largest form of violet ever seen. The plant is strong, a vigorous grower, and entirely healthy. It bears single flowers, of large size, which are borne on long stems. The plants are remarkably prolific; flowers measure more than 1½ inches across, and are of a clear violet-purple color, which holds to the last. They are intensely fragrant.

- Price of plants, six for \$1.00; twelve for \$1.80 . . . . . 20

**English Blue,** perfectly hardy, double, a fine deep blue and exquisitely fragrant.

- Plants, per dozen, \$1.50 . . . . . 15

**Marie Louise.** A very handsome light blue flower. Plants, per dozen, \$1.50 . . . . . 15



SPIRÆA.

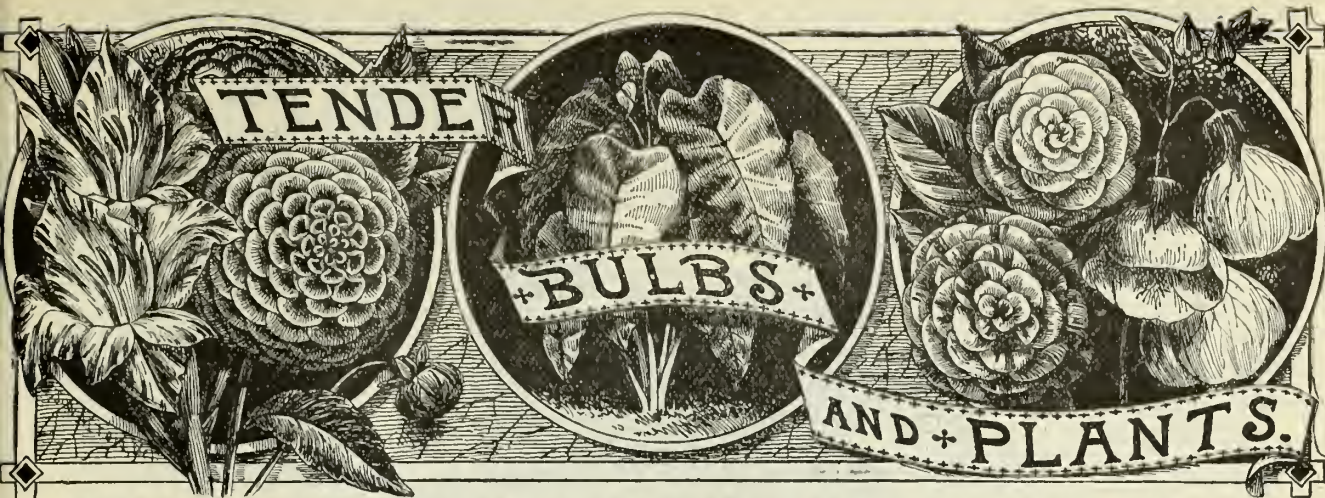
It attains a height of two feet, the fall, has numerous small blue or lavender colored flowers, clustered around the branch just above each pair of leaves. An excellent bee plant. Price, 20 cents each; two for 35 cents.

Consult Index  
for what  
you do not find.

MANY new Varieties will be found scattered through the Catalogue in their different departments, as well as in the pages of Novelties and Specialties.



CALIFORNIA VIOLET.



THIS DEPARTMENT embraces a large number of the most beautiful **BULBS** and **PLANTS**. If the plants cannot be set out on their arrival they should be put into small pots, using a good, light soil, and watered thoroughly, after which shade them and water sparingly until they show signs of growth. At the north the plants and bulbs in this department must be taken up in the autumn. Plants should receive careful treatment the first few days after their arrival. Begonias, Caladiums, Tuberoses, Callas, Gloxianas and similar plants, should, as a rule, be started as soon as received, while Dahlias, Gladioli, etc., may be kept in a cool place until proper time for planting.

## ABUTILON (Flowering Maple).

**Abutilon.** (See Novelties, page 5.)

The Abutilons are popular for their vigor of growth, clean foliage and constant blooming. Plants, each 15 cents; per dozen \$1 50, unless otherwise noted.

**Abutilon, Eclipse,** a pretty trailing variety; foliage beautifully marked deep green and yellow; flowers bright yellow with crimson throat.

**Good Gracious,** odd and pretty, blossoms in pairs at the axil of the leaves, one flower a beautiful orange red its twin a charming pink.

**Golden Fleece,** a handsome variety; large, showy, bright yellow flowers.

**New Double, Thompsoni plena,** flowers large, full, and perfectly double; the color, rich orange, shaded with crimson.

**Souvenir de Bonn,** distinct variety, foliage large, deep green color, not mottled as in other variegated forms, but each leaf is edged with a broad white margin, flowers large, bronze-red. The plant is a strong, robust grower, and makes a beautiful specimen in a short time, equally excellent as a bedding or pot plant. Price, two for 30 cents; strong plants 20 cents.

**Santana,** brownish crimson.

**Seraph,** pure white dwarf. The set of seven for 80 cents.



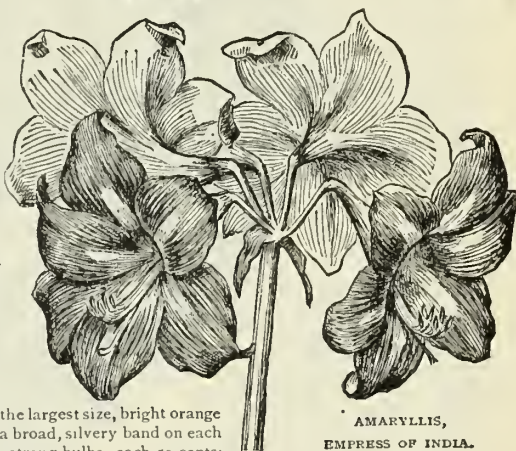
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ABUTILON, SOUVENIR DE BONN.

## AMARYLLIS.

**Amaryllis.**

The Amaryllis produces showy flowers, that are very attractive and handsome. The bulbs should be potted in a rich, sandy loam, with good drainage. They require abundant moisture when growing, but at their season of rest water should be given sparingly.



AMARYLLIS, EMPRESS OF INDIA.

**Amaryllis, Empress of India.** The flowers are of the largest size, bright orange scarlet, with a broad, silvery band on each petal. Extra strong bulbs, each 50 cents;

**vallota purpurea,** throws up a flower stem about eighteen inches in height, bearing from four to eight brilliant, purplish scarlet flowers; a fine pot plant. Bulbs, each . . . . . 25

**Johnsoni,** an elegant pot plant, with crimson flowers five inches in diameter, each petal striped with white. Flower-stalks two feet high, with clusters of three to five blooms. Bulbs, each . . . . . 50

**formosissima (Jacobean Lily),** flowers dark crimson; eight to ten inches high. The bulbs are dormant during the winter. Bulbs, each . . . 20

**Atamasco alba,** flowers upright, with broad petals, pure white. Bulbs . 15

**ACHANIA,** a greenhouse shrub with scarlet flowers; blooms summer and winter; not subject to insects of any kind. One of the most satisfactory house plants grown. Each . . . . . 20

**AGERATUM, Blanche.** Pure white dwarf, each . . . . . 20  
**Tapes Bleu.** The best for bedding; dwarf and compact, extremely free flowering; excellent and desirable; each 15 cents, per doz. . . 1 50

**AMOMUM melegueta,** Cardamon plant, grows from one to two feet high, flowers a light pink; the plant is aromatic and a perennial . . . 15

**ANTHERICUM vittatum variegatum,** an elegant house plant with dark green leaves, beautifully bordered with broad stripes of pure white; it throws up long spikes of small star-shaped flowers, which are very effective; fine for hanging baskets . . . . . 20

**ASPIDISTRA lurida,** a beautiful plant with large lance-shaped leaves; easy culture. Fine for window or conservatory . . . . . 30

**ALYSSUM.** Pretty plants for vases, pots or baskets; flowers fragrant, variegata, foliage striped; single.  
**Alyssum, Double White.**  
Price per dozen \$1 50; each . . . . . 15

# BEAUTIFUL BEGONIAS.

## FLOWERING BEGONIAS.

The Evergreen Begonias are deservedly popular. Their beautiful foliage, graceful flowers, free blooming qualities, and easy culture, make them most desirable plants. As pot plants for summer or winter decorations they have but few equals. Plants 20 cents each; \$2.00 per dozen, except where noted.

**Begonia argentea guttata**, a remarkably fine variety, with purplish-bronze oblong leaves, handsomely marked with silvery spots and dashes. The flowers are in large clusters, and of pure waxy whiteness. It is a good plant for window culture, easy to grow and always attractive.

**Bertha de Chateroucher**. Flowers of a bright currant red. A splendid variety for cut flowers.

**Duchartreii**. Purplish red leaves; blooms in panicles, somewhat after the style of *Metallica*, but much larger and finer; each 30 cents.

**Feastii**, a low spreading variety, with round leathery leaves beautifully lined with red. Long stemmed pink flowers.

**Gilsoni**, new double. The only double flowering variety of this class. Flowers large, white shaded carmine. It is a strong, free grower, and makes a handsome specimen plant; each 25 cents.

**Metallica**. A shrubby grower and free bloomer. Surface of leaf of a lustrous metallic or bronze color, veined darker; flowers white.

Begonia.



BEGONIA ARGENTEA GUTTATA.

**Begonia Paul Bruant**. Free flowering and one that soon makes a fine specimen plant of bushy tree form. Leaf of heavy texture and a deep olive green color. The flowers are produced freely. Color delicate rose. Each 25c. **Sandersonii**, scarlet; winter bloomer. **Velutina**, beautiful, erect growing, with dark, rough foliage of a lustrous bronze green on upper surface, under side reddish bronze; resembles *Metallica*, but with larger leaves and more sturdy habit; flowers rosy white; 25 cents. **zebrina**, foliage dark green with whitish veins; flowers light pink.

## REX BEGONIA.

The Rex Begonias, forming a sub-division of the Evergreen class, varying in color and markings, are very effective as pot plants. Keep the foliage free from dust. Occasionally the plants may be showered, but should not be exposed to the sun until the leaves are perfectly dry. We offer five varieties, each 25 cents; collection \$1.00.

**Begonia, Countess Louise Erdody, or Corkscrew Begonia**. A peculiar variety of the Rex type; leaves have a metallic luster, dark silver center shading to coppery rose toward the margin; yellowish green veins on both sides of leaf; the spiral twisting of the leaves gives it a very curious appearance, making it entirely distinct from any other variety. Each 25 cents. See Novelties, page 8.

## AZALEAS.

Azalee.

Azaleas are popular evergreen greenhouse shrubs, grown principally for decorative purposes. To the florist they are very valuable, and almost indispensable. The flowers are produced in great profusion, of various colors, from pure white to dark crimson. There are also striped and double varieties. Plants should be plunged in some shady place through the summer. See Hardy Azaleas, page 61.

Azaleas, three sizes, each 75 cents, \$1.00, and \$1.25.

## CUPHEA LLAVEA.

The Red, White and Blue Flower.

Among the many plants of recent introduction none is more admired than this little patriotic beauty. It is of low-growing habit, well covered with brilliant, tube-shaped flowers. The rare and beautiful combination of colors displayed in this flower are the Red, White and Blue of our National Flag. It is well adapted for general uses, such as bedding out, pot culture or hanging baskets.

Price, each 20 cents; three for 50 cents; seven for \$1.00.

**Cuphea Platycentra** (cigar plant) tube of flowers scarlet, tip black and white.

Price, each 15 cents, two for 25 cents.

**ALTERNANTHERA**. These beautiful plants are among the most showy we have for carpet-bedding, borders or ribbon lines, and are especially adapted to use in the formation of letters or figures on the lawn. Per hundred, express not paid \$6; per dozen, mail prepaid, \$1.50; each 10 cents.

**Alternanthera aurea nana**, foliage bright green and yellow.  
**paronychoides major**, bright carmine, yellow and green.

## BOUVDARDIA.

Bouvardie.

This is a class of beautiful autumn and winter blooming plants deserving much attention. They are easily raised, and reward the grower with a profusion of brilliant flowers all winter. By plunging the pots in summer a vigorous growth will be insured. "Plunging," as gardeners call it, is sinking the pot in the soil as low as the rim. They should be removed to the house or conservatory in September. \$1.50 per dozen; 15 cents each.

**Bouvardia Davidsonii**, white

**Brunetii**, light blush.

**President Cleveland**, beautiful single, crimson scarlet.

## DOUBLE BOUVDARDIA.

The Double Bouvardias are now among the most popular plants for forcing or house culture. The flowers are a trifle larger than those of the single variety and perfectly double. \$1.50 per dozen; 15 cents each.

**Bouvardia Alfred Neuner**, double white.

**President Garfield**, double pink.

**ACHYRANTHES**, plants with beautiful showy foliage for bedding.

**Lindeni**, leaves dark, blood red. Each 15 cents.

**Cæsii**, leaves large, green and yellow.



REX BEGONIA.

DON'T FAIL

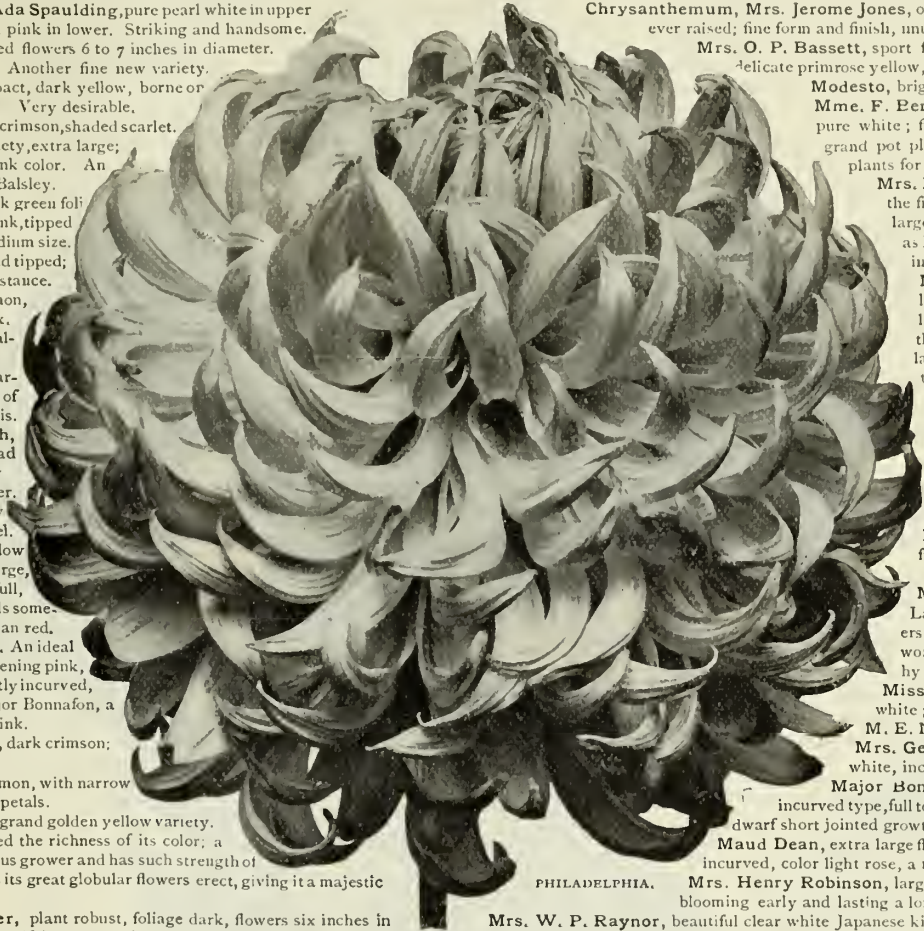
To take advantage of our great Dahlia Offer, on . . . page 73.



# CHRYSANTHEMUMS. Chrysanthemum;

The Chrysanthemum is the handsomest and most valuable late autumn and early winter flower. It is the Imperial emblem of the Japanese Emperor. The plants are almost hardy, but not quite, north of New York City. The best way is to secure young plants in the spring, and sink the pot in the soil up to the rim, water quite freely, and keep the plants well pinched back until about the middle of August. They should be repotted at least twice during the summer. Take them to the house in October and November, and you will have a grand display for two months. The prevailing colors are white, different shades of yellow, which are exceedingly fine, and different shades of red and pink. Fine plants, 15 cents each; three for 40 cents, six for 80 cents, twelve for \$1.50.

- Chrysanthemum, Ada Spaulding**, pure pearl white in upper portion, deep rich pink in lower. Striking and handsome. Large globe-shaped flowers 6 to 7 inches in diameter.
- Clara Goodman**. Another fine new variety. Flower very compact, dark yellow, borne on erect, stiff stems. Very desirable.
- Cullingfordii**, rich crimson, shaded scarlet.
- Chebague**, late variety, extra large; flesh or salmon pink color. An improved Harry Balsley.
- Dorothy Toler**, dark green foliage; flower rich pink, tipped rose, fine form, medium size.
- Duchesse**, red, gold tipped; flower of great substance.
- Ed. Hatch**, soft lemon, suffused with pink.
- Edna Pras**, light salmon, very pretty.
- Elmer D. Smith**, cardinal red, reverse of petals clear chamois.
- Emma Hitzeroth**, extra large, broad petals, peculiarly placed, filling center. Fine lemon yellow exquisite and novel.
- E. G. Hill**, a fine yellow variety. Extra large, golden - yellow, full, double; lower petals sometimes shaded Indian red.
- Francis B. Hayes**. An ideal bloom, bright glistening pink, large sized, perfectly incurved, in the style of Major Bonnafon, a magnificent late pink.
- George W. Childs**, dark crimson; a grand variety.
- Gloriosum**, light lemon, with narrow gracefully curved petals.
- Golden Wedding**, grand golden yellow variety. Nothing can exceed the richness of its color; a remarkably vigorous grower and has such strength of stem that it carries its great globular flowers erect, giving it a majestic appearance.
- George S. Conover**, plant robust, foliage dark, flowers six inches in diameter and a beautiful canary yellow. A grand flower.
- Glory of the Pacific**, large, beautiful pink flowers, one of the best earlies.
- Harry E. Widener**, large, bright lemon-yellow flower; incurved, forming a large rounded surface, one of the best yellows.
- Harry Balsley**, a fine cut-flower variety; color a pearl pink, shading to Mermet pink. Flowers double, semi-globular, with erect petals.
- Harry Hurrell**. Closely incurved, Japanese; flowers yellow; very large; unsurpassed as an early dwarf growing variety.
- H. L. Sunderbruch**, choice yellow, fine form, among the best mid-season.
- Ivory**, dwarf, free flowering, snowy white, incurved, very large, perfect form.
- Iora**, large, tall flower, petals tubular throughout, whorled, light pink.
- Joey Hill**, deep cardinal red, faced with old gold; very large.
- Kioto**, large, incurved flowers; color, deep yellow.
- L. Canning**, pure white, flowers large and handsome.
- Lady Fitzwygram**, outer petals recurving and twisting; very feathery and graceful; early; pure white.
- Lilian B. Bird**, flowers of the largest size, full high center, petals tubular and of varying lengths. Color, a beautiful shade of pink.
- Louis Boehmer**, The Pink Ostrich Plume.
- Marion Henderson**, bright golden yellow, large full flowers, outer petals reflexing, center incurving.
- Mutual Friend**, a lovely snow white flower of great depth and breadth, exquisite shape, stiff stems, good foliage.



PHILADELPHIA.

- Chrysanthemum, Mrs. Jerome Jones**, one of the finest white ever raised; fine form and finish, unusually strong stems.
- Mrs. O. P. Bassett**, sport from Mrs. Robinson, delicate primrose yellow, deepening at center.
- Modesto**, bright golden-yellow.
- Mme. F. Bergmann**, very early, pure white; flowers globe shape; grand pot plant; one of the best plants for cut flowers.
- Mrs. Robert Craig**, one of the finest globular whites; large and shapely, perfect as Mrs. L. C. Madeira is in globular yellows.
- Mrs. J. C. Whildin**, large, handsome yellow, great addition to the scarce, very early, large flowered varieties; very popular.
- Miss Minnie Wanamaker**, pure snowy white, deep, rich, full form, broad thick petals. Huge flowers in abundance; robust.
- Mattie Bruce**, new, full reflexed flower; pink, shaded mauve.
- Mr. Hicks Arnold**. Large, full double flowers, color old gold, wonderfully handsome by artificial light.
- Miss Kate Brown**, pure white; fine.
- M. E. Nichols**, pink, early.
- Mrs. George Rundle**, pure white, incurved.
- Major Bonnafon**, soft yellow, incurved type, full to center, 6 to 7 inches; dwarf short jointed growth, luxuriant foliage.
- Maud Dean**, extra large flowers, petals broad, incurved, color light rose, a model plant.
- Mrs. Henry Robinson**, large, fine, white flower, blooming early and lasting a long time.
- Mrs. W. P. Raynor**, beautiful clear white Japanese kind; early, fine round bloom full to center, strong erect stems, magnificent foliage, splendid sort.
- Mrs. J. Peabody**, very large, pure white, blooms measure from eight to nine inches through and are of extra fine build and finish.
- Mrs. F. Perrin**. A fine globular incurved flower; color, rich pink within, glistening pink without; slender stiff stems. Niveus, a grand snowy white variety.
- Oriana**, pink, outer petals reflexed; center incurving; a seedling from Harry Balsley, consequently tall and late in blooming.
- Pres. W. R. Smith**, clear bright flesh color, great substance; beautiful in all stages; changes from round Japanese form to informal reflexed pattern.
- Philadelphia**, undoubtedly the greatest acquisition of its color for many years; entirely new type in color, form of petals and general contour. The habit of its petals makes it globular in form; white, illumined lemon yellow.
- Pink Ivory**, beautiful shell pink, a sport from White Ivory, same save in color.
- Red Warrior**, large, dark Japanese variety; broad, flat petals of deep, rich chestnut red. The earliest good red variety.
- Source d'Or**, golden twisted florets, tipped yellowish-brown.
- Snowball**, pure white, grand for cut flowers.
- Swanley Yellow**, pure yellow; large reflexed flowers.
- The Queen**, double white; large and of great substance, round, incurved, full.
- Vivian Morel**, very large light pink flowers, petals long, loosely arranged.
- Wm. H. Lincoln**, golden yellow, straight, flat spreading petals; extra large.
- W. E. Boyce**, an immense full double flower of the richest bronze color.

See page 10, Novelty Pages, for other Varieties.

# CANNA.

## Stumenerdyt.

The French, or Ever-Blooming Cannas are most effective plants either for combining with Caladium and other foliage plants, for bedding or lawn decoration, or as single specimens. They bloom continuously from the time of planting, increasing in size and beauty until cut down by frost; also, splendid plants for pot culture; grown in this manner they make showy specimens for the porch during the summer, and before frost they may be removed to the window garden or parlor, where they will continue flowering all winter. Plants that have been grown in the garden may be potted for the same purpose.

Price, 15 cents each; \$1.50 per dozen.

**Canna, Admiral Courbet**, four feet, flowers very large, citron yellow, striped orange scarlet

**Antoine Crozy**, four feet; flowers deep crimson, light green foliage.

**Ami Pichon**, four feet; very large bright crimson flowers; symmetrical habit; like Charles Henderson, but a stronger grower; foliage green.

**Burbank**, flowers very large equal to either Italia or Austria; rich canary yellow, spreading 7 inches; will continue to bloom a week after cutting; a strong grower, 5 to 6 feet high, with wide, rich green leaves.

**Brilliant**, five feet, rich shade of bright scarlet, foliage green, a very free blooming variety; good bedder.

**Chevalier Besson**, two feet; foliage rich green, flowers clear crimson, free bloomer.

**Capitaine P. de Suzzoni**, five feet, the most beautiful of the spotted varieties; the ground color is a rich shade of canary-yellow, and the entire flower spotted and dashed with a rich shade of red. It has handsome light green foliage.

**Flamboyant**, five feet, a most profuse bloomer; flowers flaming red and rather small, foliage, green.

**Francois Crozy**, is similar to Madame Crozy in style and habit of growth, but the flowers are a bright orange bordered with a narrow edge of gold, a desirable and rare color in flowering plants; 3 ft. high.

**J. C. Vaughan**, two to two and one-half feet high; color of flower bright orange scarlet; trusses of good size, borne well above the foliage; foliage deep bronzy purple; a very free bloomer and a decidedly distinct and valuable bronze variety.

**President Faivre**, flowers amaranth red; foliage bronze.

**Professor**, three feet; foliage massive and deep rich plum, almost black; flowers large, abundant; color, deep crimson.

**Robusta**, a very fine, tall-growing, dark-leaved variety; 8 to 10 feet high.

**Rose Unique**, three and one-half feet; dainty and unique in color; clear, bright, deep rose; very soft and pleasing; flowers large and freely produced.

**Victor Hugo**, three feet; valuable for its fine foliage; the leaves resemble banana leaves with a rich bronze border; flowers large and crimson in color.

(See also page 9.)

**CYCLAMEN PERSICUM.** The Cyclamen is particularly adapted to window culture; it blooms abundantly and for a long time in the winter and spring. The flowers are borne on long stems above the foliage and are very showy; strong plants . . . . . 25

**CALCEOLARIA CREOLE QUEEN.** Brown maroon . . . . . 20

# CAREX JAPONICA VARIEGATA

A new Japanese grass which has proved a very useful and ornamental addition for the house. It can be planted in the garden during the summer, if desired, or will make an attraction standing on the piazza. Seems to enjoy the atmosphere of living rooms. Plants, each, 20 cents; three for 50 cents.

# CAPE JASMINE.

An evergreen shrub with double white flowers; very fragrant. Cape Jasmine (Gardenia florida) . . . . . 30

# CYPERUS.

## Umbrella Plant.

**Cyperus Alternifolius**, a beautiful, easy-growing plant that is admirably adapted to many different modes of culture. It makes a very showy plant for pot culture, is one of the best for ferneries, while for the aquarium it is without an equal. Plants . . . . . 20

**Alternifolius Gracilis**, one of the most satisfactory plants for house culture, either in window, fernery, or aquarium. It is more dwarf, and leaves narrower than the old variety. Plants . . . . . 20



Many of our friends have said that we do not praise our seeds and plants enough, that is, "puff them up," that the man who talks the loudest sells the most goods. It may be that our extreme modesty has been a drawback, but we prefer to happily surprise our customers with the results and let our friends speak for us. Here is what some of them say:

From those who sent with me last spring I have heard only favorable accounts. One man who had planted your seeds for the first time said: "They were fine; all the seeds were good, and every one of them came up." My Nasturtiums were gorgeous. It did seem too bad for Jack Frost to cut them off when he did.

"Miss E. C. B., Clayton, N. Y."  
"How I am enjoying the Bouquet Collection of Sweet Peas. I never had any so fine. Am gathering them every day and giving to my friends."  
"Truly yours in the love of flowers."

"Mrs. Mary B. S., Fitchburg."  
"For your information I wish to say that I have your 'Imperial White Cabbage Lettuce' growing in my garden this winter, alongside Henderson's 'Big Boston,' and that during the past week, when the thermometer registered as low as 14° Fahrenheit, yours has stood without perceptible injury. H's has been very badly hurt by cold. Yours, S. H. B., Columbia, S. C."

All Seeds listed in this Catalogue delivered free of postage or express charges, unless otherwise noted.

# CARNATIONS.

The Carnation is one of the sweetest flowers that grows. It is beautiful and fragrant, and gives plenty of flowers a long time. The ever-blooming varieties are winter flowering in the window garden. The best way is to get young plants in the spring and plant them out in the garden. Pinch off the tops of all long shoots as they appear, so as to form compact plants, and all buds that appear previous to the first of August. After that allow all to grow. Take up and pot the plants about the first of October and remove them to the house.

- Carnation American Flag.** The flowers are regularly striped with scarlet and pure white, with foliage of metallic blue.
- Alaska.** Purest white color. A seedling from "Lizzie McGowan." Vigorous, healthy and free blooming. Erect in growth and promises to become a popular variety.
- Clifton,** dark crimson, large well formed flowers.
- Corsair.** Another seedling from "Lizzie McGowan." A pure scarlet. Unusually large and bold flower; fragrant and free bloomer.
- Daybreak,** flowers very large, perfectly double; clear bright flesh tint.
- Florence Eddy,** of strong growth, beautiful rose color, splashed with delicate pink on the outer petals.
- Harrison's White.** A pure white sport from William Scott. This valuable new Carnation possesses all the good qualities of its parent and is bound to be a favorite. Free flowering and vigorous grower.
- Hinzle's White,** white; flowers very large.
- Lizzie McGowan.** This Carnation is a splendid grower, producing very large pure white flowers that are beautifully fringed; very fragrant.
- Murello.** It is an early and constant bloomer; the flowers are large, from three to three and a half inches in diameter; bright scarlet, becoming slightly darker with age.
- Mrs. Fisher,** flowers pure white, borne on long stems; one of the best varieties for fall and early winter flowers.

- Carnation, Mayor Pingree.** A new yellow variety. Has received certificates at nearly all of the important exhibitions in this country, and won the Silver Cup at Philadelphia. Free, early and continuous bloomer. Flowers large and borne on long stiff stems. Price, each, 20 cents.
  - Meteor.** Deep brilliant crimson scarlet. Medium to large size bloom, 2½ to 3 inches, on a firm stem 14 to 18 inches long. Plant a free and vigorous grower, clean foliage and a good free bloomer. Foliage and habit somewhat resemble "Portia." Good calyx. A most promising dark sort.
  - Nellie Lewis.** No Carnation has given such perfect satisfaction as the charming "Nellie Lewis." It is now the most popular pink sort grown, and the cut blooms are in greater demand than those of any other variety. The flowers are beautiful in form, and in color the most exquisite shade of pink, with light splashes of carmine, and exquisitely fragrant.
  - Portia,** a beautiful brilliant scarlet.
  - Rose Queen.** A very productive variety. The flowers are large, well formed, and of a pleasing and desirable soft rose color.
  - Sweet Briar.** A delightful shade of pink, a strong, healthy grower and continuous bloomer; flowers fragrant.
  - Tidal Wave,** bright pink, shaded salmon.
  - Triumph.** Color a pure bright pink, never showing a touch of purple. Blooms of the largest size on long stiff stems.
  - Wm. Scott.** The habit of this plant is branching, vigorous, and extremely healthy; in color it is a clear delicate rosy pink.
- Plants, each 15 cts; six, 80 cts; twelve, \$1.50, except those otherwise noted.*



## CALLA, or Richardia.

**Calla.**

- Richardia Ethiopica** is the well-known Egyptian Lily, or Lily of the Nile, with large white flowers and broad foliage; it will prosper under very adverse circumstances if given plenty of water. It is an excellent plant for aquariums. In the spring it may be planted in the garden until the autumn.
- Richardia Ethiopica, or Egyptian Lily.** Our Calla roots are large and fine, as we have them grown for us in California, where the Calla is perfectly at home; each 15 cents; per dozen \$1.50.
- alba maculata, or Spotted Calla.** Beautiful for pot culture. The bulbs must be kept in dry sand in the winter. Each 10 cents; per dozen \$1.00.
- Little Gem.** A dwarf variety of the old Calla, ten to twelve inches high; free bloomer; each 25 cents; two for 40 cents.

See  
Novelties,  
page 12.



EGYPTIAN LILY.

SPOTTED CALLA.

## COLEUS.

**Coleus.**

- The Coleus is the best and cheapest variegated-leaved plant we have for ornamental bedding. A few dozens of these plants will make a bed of which no one will have any cause to be ashamed. Plants should be set about a foot apart, so when the size of the plant is ascertained it is easy to figure how many plants are needed of each kind for a row. Each 10c.; dozen \$1.00.
- Coleus, Buchursts Gem.** Strong grower; maroon, deeply bordered with yellow.
- Countess.** Deep green with yellow edge.
- Crimson Velvet.** Crimson, spotted with black, edge serrated and lightly bordered with green.
- Fashion.** Green, chocolate with crimson center.
- Firebrand.** New, maroon flamed and shaded with brilliant fiery red.
- Firebrand.** Red, chocolate and maroon.
- Golden Bedder.** Canary yellow.
- Hero.** Maroon, almost black.
- John Goode.** Splendid yellow bedding variety, foliage deeply serrated.
- Pioneer.** Violet crimson, dark maroon border; fine variety.
- Snowcloud.** White, yellow and green.
- Spotted Gem.** Yellow, spotted crimson, green and orange.
- Verschaffeltii.** Velvet crimson.



Notice the Golden Wedding Collection on page 73. The prices are made in order that our friends may enjoy this beautiful Collection at a Low Cost.

Remember the Special Prices in Sweet Pea Collection, page 57. Twelve of the very Finest, Only Forty Cents.



CALADIUM ESCULENTUM.

**DRACÆNA INDIVISA.**

A very ornamental plant for pot culture on account of its graceful habit and beautiful recurved foliage. It is the best plant in cultivation for the center of vases and hanging baskets. Plants, each 25 cents; large plants 50 cents.

**CALADIUM.****Caladium. (Bierblätterig.)**

**FANCY-FOLIAGED**—The fancy-foliaged varieties are very satisfactory for summer decoration. Leaves striped, blotched and spotted with white, crimson and pink; in fact the variety of color is something wonderful. In the fall they die down and the bulbs should be kept in the pots in a warm place. Each 20 cents; \$2.00 per dozen.

**Caladium Esculentum.****Edibles Caladium.**

The Caladium esculentum is one of the handsomest of the ornamental leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in a cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden.

**Caladium esculentum.** Large bulbs, each 25 cents; dozen . . . \$2 50  
Medium sized bulbs, each 15 cents; dozen . . . . . 1 50

These prices prepay the goods to your home (except when noted.)



FANCY-FOLIAGED CALADIUM.

**Grand Half Century Dahlia Offer!**

This collection is our selection of named varieties of Cactus, Show, Pompon and Dwarf Dahlias named on pages 72 and 73. In our large Dahlia cellars we have over one hundred thousand fine Dahlias grown the past summer especially for this Golden Wedding offer. The prices named are so low that all should **Cut in Prices**

**Dahlia Bargain** take advantage of this great offer. We reserve the privilege to make the selection, simply to prevent a run on anyone or two varieties; we will make a choice that will delight any lover of the Dahlia. Name the colors you have, to prevent our duplicating them, also colors or varieties you would like and, as far as possible, we will be governed by your suggestion.

Price, three for 35 cents; six for 60 cents; twelve for \$1.00.

**GENERAL LIST OF DAHLIAS.**

For years we have made a specialty of the Dahlia which is one of our grandest autumn flowers. It is in its glory during September and October, when other flowers are fading, and surrenders only to the Frost King. Put Dahlia tubers in the ground when the season gets warm, covering the neck some three inches. If many shoots start, thin them out. After flowering, and before hard frost, take up the plants, remove the tops, dry the bulbs a little and put in the cellar until spring, when they can be divided and replanted. Look at them occasionally to see that they are not shriveling from too dry an atmosphere, nor starting the eye early on account of too much moisture and warmth. Tubers can be forwarded as soon as danger from frost is past, about the 1st of April. See also Novelties, page 12.

Price, 15 cents each; six for 80 cents; \$1.50 per dozen.

**CACTUS DAHLIAS.**

This class of Dahlias is becoming more popular each year. The flowers are peculiar in form, somewhat resembling the blooms of the Cactus family—hence the name. They grow tall, bloom freely and are splendid for cutting.

- Dahlia, Baron Schroeder**, imperial purple.
- Black Prince**, dark velvety maroon; extra fine.
- Blanche Keith**, fine yellow, with long twisted petals.
- Charming Bride**, white, tipped with pink.
- Clifford W. Bruton**, acknowledged by all who have seen it to be the finest yellow Cactus Dahlia. Flowers large, five to six inches in diameter, and full to the center; solid pure yellow, the clearest, richest shade ever seen.
- Constancy**, a very pleasing variety, of beautiful form; color, a rich reddish-orange, shaded bronze, tipped with white.
- Countess of Gosford**, cinnamon, suffused with gold.
- Countess of Radnor**, all the hues of a sunset.

- Dahlia, Harry Freeman**, fine white.
- Henry Patrick**, the very best pure white decorative Dahlia to date; flowers large, borne on long stems; an early, profuse and continuous bloomer.
- Lady Montague**, deep, rich crimson.
- Mrs. Tait**, large white; serrated petals.
- Miss Arnold**, deep pink, shaded lilac.
- Miss Pearl**, beautiful white, long twisted petals.
- Nymphæa** (the Pink Water Lily Dahlia). The plant is a strong robust grower, while the flowers which are always full to the center are large size.
- St. Catherine**, cadmium yellow, free bloomer.
- Sydney Halling**, deep purplish maroon.
- William Agnew**, the grandest red Cactus Dahlia ever produced. flowers are of largest size, sometimes measuring more than seven inches in diameter, full to the center. Rich shade of intense dazzling red.
- Zulu**, the darkest maroon, almost black; one of the very best dark Dahlias.

**DAHLIA--Continued.**

**SHOW DAHLIAS.**

This class grows tall, and has large showy flowers.  
**Dahlia Ada Tiffin**, light peach, tinged with rose.  
**Arthur**, deep lilac, full size.  
**Alec Fielding**, creamy ground, heavily tipped.  
**Adolph Wagner**, buff, dotted and lined deep crimson.  
**Bird of Passage**, white, tipped with pink; always reliable.  
**Client**, rich crimson, very erect and showy.  
**Constancy**, yellow, deeply edged with lake.  
**Duke of Connaught**, dark crimson, shaded purple.  
**Effie Wilmot**, yellow ground, tipped with lake.  
**Emily**, blush suffused with rose; large, free bloomer.  
**Emily Edwards**, blush white, slightly tinted.  
**Ethel Vick**, soft sea-shell pink.  
**Fanny Purchase**, bright yellow; fine standard sort.  
**George Dickson**, chestnut brown, peculiar color.  
**Hercules**, yellow, striped and speckled with crimson.  
**High Sheriff**, very dark, standard variety.  
**James G. Blaine**, beautiful crimson; full and fine.  
**James Cocker**, fine purple.  
**James Stephens**, bright orange scarlet; new color.  
**James Vick**, intense purplish maroon; full and symmetrical.  
**John Lamont**, maroon, with dark stripe.  
**John Walker**, clear white perfect flower.  
**Lady Allington**, dark scarlet, white tipped.  
**Lady Grace**, light lemon, free blooming.  
**Lottie Eckford**, white striped with purple.  
**Magician**, deep yellow, tipped with scarlet.  
**Miss Browning**, clear yellow, tipped with white.  
**Miss Champion**, beautiful light pink; fine for cutting.  
**Mirefield Beauty**, a beautiful shade of red.  
**Modesty**, blush, with light center; flowers large.  
**Mrs. Elstre**, pink, shaded lake.  
**Mrs. Langtry**, cream color; edged with crimson.  
**Oriole**, golden ground, scarlet tipped and striped.  
**Oakfield**, purple; free bloomer.



SHOW DAHLIAS.

**GRAND DAHLIA OFFER.**

Three for 35 cents.  
 Six for 60 cents.  
 Twelve for \$1.00.  
 See opposite page.



LEOPARD PLANT.

**FARFUGIUM GRANDE (Leopard Plant).**

A decorative plant of the highest order. Its beautiful showy foliage, ease of culture and general adaptability for growing in the house or window garden, make it one of the most popular plants in cultivation. Leaves, large, thick and leathery; a rich, dark, glossy green, handsomely marked with showy yellow blotches, of various forms and sizes. Well adapted for out-door culture in a warm, partly shaded situation. Strong plants, each 30 cents.

**RUBBER TREE.**

*Ficus elastica* or Rubber Tree, with thick, shining leathery leaves, ten inches long by three wide; an excellent and showy plant . . . . . 75 to \$1 50

**FEVERFEW, Little Gem.** A dwarf variety, growing from eight to twelve inches high. Flowers large and of the purest white . . . . . 15

**Dahlia, Pioneer**, maroon, large, fine.  
**Prince Bismarck**, large purple; unsurpassed.  
**Princess**, white; large flower, free bloomer.  
**Queen of Sports**, white and lilac, purple striped.  
**Robin Adair**, peculiar shade of brown, fine flowers.  
**Ronald**, buff; free and fine.  
**Snow Cloud**, pearly white; withstands the sun.  
**Startler**, very dark maroon, with white tips.  
**Statesman**, purplish-crimson.  
**Sunlight**, bright scarlet.  
**Surprise**, light ground, tipped violet purple.  
**The Pet**, dark maroon, white tipped.  
**Thomas White**, dark crimson maroon; very free bloomer.  
**Woman in White**, large white.  
**William Dawkins**, fawn, edged with bright crimson.  
**Yellow Boy**, deep yellow.  
**Yellow Queen**, clear yellow.  
**Yellow Standard**, yellow.

**DWARFS OR BEDDERS.**

The Dwarf Dahlias grow only about eighteen inches high, but the flowers are full size.  
**Dahlia, Fire King**, bright crimson.  
**Gem of the Dwarfs**, red, tipped with white; unsurpassed.  
**Goldfinder**, golden yellow; good habit, free bloomer.  
**Fraulein Hettergot**, light and rose; fine.  
**Margaret Bruant**, white; good bedder.  
**Meta Bartelles**, pink, delicate shade.  
**Mt. Blanc**, clear white. **Sambo**, dark maroon.

**POMPON OR BOUQUET.**

The unique flowers of this class are always beautiful and perfectly formed. The plant grows tall like the Show Dahlia, but the flowers are much smaller. Abundant bloomers.  
**Dahlia, Admiration**, crimson, tipped with white.  
**Burning Coal**, yellow, with intense scarlet tip.  
**Catharine**, yellow.  
**Darkness**, almost black.  
**Eurydice**, blush, tipped with purple.  
**Fashion**, light orange.  
**Fairy Tales**, delicate primrose.  
**Isabel**, bright orange scarlet; free and effective.  
**Janet**, rich salmon.  
**Lady Blanche**, white, fine for cutting.  
**Little Agnes**, light pink, fine for cutting.  
**Little Bob**, fine, deep scarlet.  
**Little Leopold**, deep pink; very fine.  
**Profusion**, crimson, white tipped; fine, free.  
**Red Indian**, deep coral red.  
**Sappho**, rich maroon, sometimes has a light center.  
**Spotted Beauty**, crimson, white blotches.  
**White Aster**, pure white; fimbriated.

## FUCHSIA.

The Fuchsia when in full bloom are most beautiful objects. The plants we offer are strong and thrifty, grown especially for summer and winter flowering. They require light, rich soil. Sprinkle often and give plenty of light and air. The plants are capable of developing beautifully and blooming profusely when planted in a bed of rich soil in a somewhat shaded place, such as is afforded at the north or east side of the house, or in the shade of a fence. In planting them out it is best to turn them out of their pots and allow their roots to run. In autumn lift the plants and place in boxes of soil and keep nearly or quite dormant until spring. Winter blooming plants are better to be kept in their pots and treated with special reference to their season of bloom.

### SINGLE.

**Fuchsia Black Prince**, corolla reddish rose, sepals carmine.

**Constancy**, flowers large; corolla, a rich carmine; sepals white, well reflexed.

**Dr. Topinard**, flowers, large, fine; corolla white, sepals a rich cherry red.

**Eureka**, tube and sepals rosy red, corolla deep purple flushed with magenta.

**Ernest Renan**, tube short, rosy white; sepals recurved; corolla, rose color; very large free grower, and an early and constant bloomer; very fine.

**Little Beauty**, a perfect gem; marvelously free flowering, beginning to bloom when only a couple of inches high and continuing in flower the year round. Flowers  $1\frac{1}{2}$  inches long, bright red tube and sepals, corolla rich purple.

**Miss Bailey**, sepals white, corolla pink; a wonderfully free bloomer.

**Rosalind**, tube and sepals white, corolla magenta pink.

**Trailing Queen**, is a beautiful Fuchsia entirely different from all other flowering varieties, as it takes the form of a trailing vine, branching freely, until the stems are 3 to 4 feet long; flowers long and graceful; the tube and sepals being bright rosy scarlet, with a deep, rich violet-purple corolla.



### DOUBLE.

**Fuchsia Avalanche**, corolla violet, sepals crimson.

**Berliner Kind**, tube and sepals rosy pink, corolla white; splendid variety.

**Buffon**, tube and sepals bright scarlet, corolla white with pink tinge.

**Beauty of West Kent**, tube and sepals red, corolla white, heavily shaded with crimson.

**Celine Montaland**, corolla rose mauve, sepals bright red.

**Deutscher Kaiser**, sepals rosy crimson, corolla violet purple.

**Frau Emma Toepfer** (Storm King), sepals bright crimson scarlet, corolla shaded same, but well balanced with a profusion of white.

**Gigantea**, the tube and sepals carmine; corolla a beautiful shade of light magenta; large and fine.

**Jupiter**, tube and sepals scarlet, corolla rich royal purple, extra large size.

**Jeanne Summary**, tube and sepals bright crimson scarlet, corolla white.

**Molesworth**, sepals red; nicely recurved; corolla pure white; very large.

**Mrs. E. G. Hill**, the most perfect double white Fuchsia yet introduced; tube and sepals bright reddish crimson, contrasting with the large pure white corolla to great advantage. The plant is of splendid habit, a remarkably free grower, yet compact and symmetrical in form; very free bloomer.

**Phenomenal**, sepals bright carmine, corolla bright violet

purple; flowers large. **Rosain's Petrie**, tube and sepals rosy carmine, corolla pure white; plant of the finest habit and wonderfully free blooming.

**Sapaly Freres**, sepals coral red, corolla violet and carmine.

**White Phenomenal**, flowers average three inches across and are borne with the greatest profusion—in fact White Phenomenal may truly be called a perpetual bloomer. The tube and sepals are a bright carmine, corolla white, base of corolla heavily shaded and veined with carmine.

Plants, each 15 cents.

(See Novelties, page 14.)

## FERNS.

Be your own florist and fill your fern dishes at home. Six of the best and hardest varieties sufficient to fill a dish eight inches in diameter.

**Ferns**, *Adiantum fulvum*, strong grower with bronze foliage.

**Nephridium cristatum**, beautiful crested fronds.

**Pteris cretica albo lineata**. Leaves green and white, very pretty.

**Pteris serrulata**. Of graceful habit; is a fine pot plant.

**Pteris hastata**, strong grower, broad, glossy, deep green foliage.

**Pteris tremula** grows rapidly, throwing up large, handsome fronds.

15 cents each  
Collection of six for 75 cents.

(See Novelties, page 14.)

### REMEMBER

When sending order . .

that we pay the postage .

GREVILLEA ROBUSTA.

or express charges unless otherwise noted.



## GLOXINIA.

### Glorific.

Gloxinias are among the handsomest of our summer blooming greenhouse plants.

The flowers are gorgeous, and the foliage has a velvety appearance. Bulbs should be started in spring in a warm place. They require partial shade and a liberal supply of water when growing. After blooming water should be withheld and the bulb remain dry through the winter. Each 25 cents; per dozen \$2.00.

### Grevillea Robusta.

#### The Silk Oak.

A beautiful plant for decorative purposes; of quick growth and very easy culture. Leaves are a light bronze color, the tips being covered with a soft down resembling raw silk, from which it derives the name of "Silk Oak." For the house it is unsurpassed, as it needs little attention. Plants, each 20 cents; two for 35 cents.

CONSULT INDEX FOR WHAT YOU DO NOT FIND.



GLOXINIA

# Geraniums for Bedding and Pot Culture.

A group of scarlet Geraniums is a dazzling sight from June to November. No flowering plants are more grown, and certainly none are more suitable for large beds where a mass of bloom is desired. When used in connection with Alternantheras, Coleus, and other foliage plants, they make an attractive display. Heretofore we have offered a long list of Geraniums, but there is so slight a difference in many of the varieties, we have decided that it will be for the best interest of our customers as well as ourselves, to reduce the list so that it will contain the best varieties only. Those retained are the most desirable of their class and color for bedding purposes and general culture. Plants each 15 cents; three for 40 cents; six for 80 cents; twelve for \$1.50; for all varieties except Mrs. Pollock. See Novelties, page 13.

## SINGLE.

**Geranium, Aurellian Scholl,** violet rose, marbled white on the upper petals; thrifty grower and a grand bedding variety.

**Banquise.** Pure white, fine grower and abundant bloomer.

**Cinderella,** bright rosy salmon; fine truss.

**Fleur Poitevine.** Another very distinct colored variety. Large, single flowers; color brilliant rosy carmine, marbled and striped with pure white, producing an aureola of deep orange carmine at the center; the plant is dwarf, but robust and wonderfully free flowering.

**General Grant,** scarlet. This old sort still retains popularity as a bedder. Has no equal for freedom of bloom and brilliancy of color.

**Golden Fleece,** rich orange scarlet.

**J. Sallier.** Vigorous growing and remarkably free flowering variety. Large trusses of perfect form, composed of single flowers entirely distinct from any existing variety; edges of petals carmine lake, the center is washed in tints of rose and bluish heliotrope color, the upper petals are veined with carmine and marked with orange at the base. This is one of the most distinct and valuable Geraniums of the year, and we recommend it highly.

**Jumbo,** flowers fine scarlet with white eye; an excellent plant for potting singly or for bedding.

**King Olga,** rich deep pink; base of petals white, truss large and perfect.

**Marguerite de Layre,** a fine strong, free grower, producing large trusses of well formed, pure white flowers.

**Meteor,** a splendid variety with large truss of brilliant scarlet flowers, that have small but distinct white eye. Plant of good habit, free bloomer.

**Mrs. James Vick,** salmon, shading to white, without an equal for winter.

**Mrs. J. M. Gaar.** Of dwarf compact habit, and in freedom of bloom is superior to all whites, and equal to the best scarlet bloomers. Pure white.

**M. Poirier,** the truss and individual florets of this variety are exceedingly large and well formed; color beautiful carmine violet; fine.

**Madame Bruant.** A grand variety wholly distinct from any other in cultivation. White, veined with carmine lake, florets regularly bordered with bright sofferino; the arrangement of color is exquisite, often intermingling and producing a striped effect; the trusses are large and beautifully formed; the plant is a healthy grower and very free flowering. Everything considered this is the most distinct and wonderfully colored variety ever sent out.

**Madame Cornell,** a grand Geranium. Flowers of immense size, perfectly formed, of a very soft rose color; fine strong grower.

**Pretty Jane,** rosy magenta; large truss of well shaped flowers, dwarf habit.

**Queen of the Whites Improved,** one of the finest white Geraniums ever sent out; truss and individual flowers large and well formed, petals broad and perfect; of good growth and habit.

**Souvenir de Mirande.** Probably the handsomest Geranium that has appeared in many years, and entirely distinct from any other variety. Flowers large, nicely rounded, and have a large pure white eye, well extended around the flower, but more prominent on the upper petals; this gradually deepens in color toward the outer edge to a bright rosy-pink, forming a striking and pleasing contrast. The habit of the plant is good, and it is one of the freest bloomers in cultivation.

**Trophee,** light lavender pink.

**White Wings,** a beautiful white variety, flowers large and well formed.

## BRONZE.

The leaves of the Bronze Geraniums show the most beautiful shades of yellow or brownish red, the foliage being as handsome as flowers.

**Black Douglas.** Flowers salmon, foliage golden yellow; red zone.

**Cloth of Gold.** Scarlet; leaves golden-yellow.

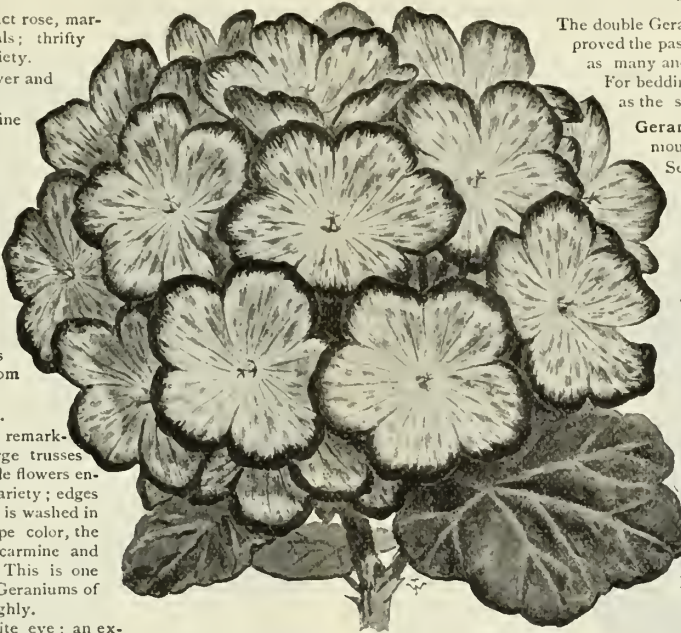
**Crystal Palace Gem.** Scarlet; leaves yellow with green center.

**Exquisite.** Leaf light yellow ground, chocolate zone; flowers salmon.

**Fanny.** Leaf light yellow, chocolate zone. Flowers salmon; white eye.

**Magician.** Leaf green and yellow, chocolate zone; flowers double scarlet.

**Prince Bismarck.** Foliage yellowish green, with narrow zone of deep chocolate; flowers salmon, tipped white.



MADAME BRUANT.

## DOUBLE.

The double Geraniums have been wonderfully improved the past few years. We now have them of as many and as beautiful colors as the single. For bedding they are about as good every way as the single, and for cutting much better.

**Geranium Beaute Poitevine.** Enormous flowers of a bright salmon pink. Semi-double.

**Bishop Wood,** scarlet and violet; splendid bedder.

**Donald McNaughton,** large truss of purest white flowers, without the slightest shade of pink. Valuable for bedding.

**J. Ricaud.** A fine free-flowering double variety, with enormous trusses on strong foot-stalks; flowers intense shade of purplish crimson, center distinctly marked white, shading beautifully into the other color.

**L' Contable,** of good habit, large flowers of a beautiful bright rose.

**La Favorite,** the best pure white.

**Madame Ayme de la Chevreliere.** This variety is a marvel of beauty. The flowers, in addition to their extraordinary size, are of the purest snowy whiteness. Better in form and superior to any double white yet introduced.

**Madame Buchner.** Snow white, strong and vigorous grower. Extra large trusses, produced abundantly well above foliage. A fine bedder.

**Madame Chautrier.** Large trusses of red shaded pink.

**Madame Jaulin.** An entirely distinct color in the Bruant or bedding type. Very large florets compose a truss of grand size; center of flower delicate pink, bordered with pure white; for freshness and beauty this variety is unrivaled by any bedding sort, and it is equally as valuable for pot culture and market purposes.

**Madame la Comtesse de Baume,** immense truss; double florets of the largest size; growth and habit perfect; color beautiful rose, marked white.

**Madame Thibaut,** flowers large, rose-pink, upper petals marked white.

**Mrs. Langtry,** pure white; truss and flowers very large.

**Marvel,** rich crimson scarlet, fine large flowers and truss; very free flowering; one of the best bedding sorts.

**Robert Sparks,** rich crimson scarlet; a most profuse bloomer.

**Paul Arene.** Beautiful creamy-white tint; large, well-formed; dwarf habit.

**S. A. Nutt,** dark crimson; splendid variety for bedding.

**Simon Delaux,** cherry-purple; dwarf.

## SWEET-SCENTED.

**Dr. Livingstone,** leaves finely divided, very fragrant.

**Rose.** This is the most desirable of the scented varieties.

## IVY-LEAF.

This class has thick, glossy, Ivy-shaped leaves, plants drooping in habit. Excellent for baskets, vases and house plants, and not undesirable for lawn beds.

**Duke of Edinburgh,** leaves light green, broad white margin, single, rose.

**Jeanne d'Arc,** white, suffused with lavender. Double.

**Madame Thibaut,** very double, full and perfect in form; rich deep pink; a strong, free grower.

**Souvenir de Chas. Turner,** double, deep pink, maroon in upper petals.

## TRI-COLOR.

**LEAVES VARIEGATED.** Prized for the beauty of the foliage, which is very handsome. For house or conservatory culture, they are among the best.

**Mrs. Pollock.** Flowers scarlet; 30 cents.

## SILVER-LEAF.

**LEAVES WHITE MARGINED.** This class has marked leaves, the center being bright green, and the edges silvery-white. They are elegant plants for the house in winter, the foliage making a beautiful contrast.

**Bijou.** This is one of the finest of the silver-leaf sorts.

**Mad. Salleroi.** A small compact plant; very fine.

# GLADIOLUS.

The Gladiolus (Sword Lily), with its beautiful flowers, clustered on tall spikes which are two feet or more in height and often several from the same root, is the most beautiful of the summer or Tender Bulbs. The flowers are of almost every desirable color, brilliant scarlet, crimson, creamy white, striped, blotched and spotted in the most curious manner. Set the bulbs from six to nine inches apart, and about four inches deep. Plant from middle of April to first of June. In the fall before hard frosts, take up the bulbs, remove the tops, and leave to dry in the air for a few days, and store in some cool dry place, secure from frost until spring.

*This list embraces the best of the newer and older varieties, together with the finest of the late French novelties.*



- |  | EACH.  |
|--|--------|
| Gladiolus Addison, dark amaranth with white stripes . . . . .  | \$0 10 |
| Admiral Willis, red flaked and shaded crimson, large violet carmine spot . . . . .   | 35     |
| Africaine, slaty brown on scarlet ground, streaked with scarlet and pure white, white blotched . . . . .   | 25     |
| Agnes Mary, white, marbled with slate violet stripe in the lower petals . . . . .  | 25     |
| Agrius, bright salmon, slightly feathered at the outer edge with vermilion; blotch cream color . . . . .   | 15     |
| Aldebaran, very large rosy salmon flowers, with conspicuous white blotch; divisions slightly flushed with slate color (new) . . . . .                        | 50     |
| Ambroise Verschaffelt, carmine, garnet flamed . . . . .  | 15     |
| Angele, white, showy and effective . . . . .   | 10     |
| Ball of Fire, scarlet crimson, with maroon blotch and blue center . . . . .  | 25     |
| Bacchante, (new) very large flowers of a salmon rose, streaked and suffused with scarlet . . . . .   | 2 50   |
| Bajazet, (new) dazzling scarlet, streaked profusely with blood red, center violet brown; very rich . . . . .   | 2 00   |
| Brenchleyensis, vermilion scarlet; fine old variety, very vigorous and free bloomer . . . . .  | 5      |
| Bertha Rabourdin, pure white with a beautiful carmine blotch in the throat . . . . .   | 15     |
| Brennus, crimson-maroon, white center, tinged with blue, violet stripe on lower petals . . . . .   | 20     |
| Brunette, a beautiful shade of carmine; blotch cream color, striped with purple, white line on each petal . . . . .  | 10     |
| Caprice, long spike of very large flowers; upper petals bright rose tinted lilac; lower petals and throat feathered purplish carmine (new) . . . . .         | 50     |
| Ceres, white, marbled and striped with rose and purple . . . . .   | 5      |
| Carnation, large flowers of a fleshy white color, tinged at the edges with rich carmine; the lower petals blotched with purplish carmine . . . . .           | 20     |
| Chicago, (new) compact spike of well expanded flowers, very dark carmine red, with a few almost black stripes, large white blotch and center bands . . . . . | 2 00   |
| Christopher Columbus, rosy carmine, flamed with red, violet red blotch on lower petals . . . . .   | 10     |
| Diamant, fleshy white, blotched and streaked with carmine, throat ivory white . . . . .  | 20     |
| Dictateur, center of flower white; outer edges flushed with carmine-red on pale lilac ground . . . . .   | 25     |
| Dr. Bailly, dazzling scarlet, carmine blotch on white ground . . . . .   | 1 00   |
| Dr. Jules Mascarel, handsome cherry red; finely dotted and dappled with white and dark scarlet; blotch pure white (new) . . . . .                            | 2 00   |
| Dr. Woodman. Salmon, flaked with pink and lake; large carmine blotch on lower petal . . . . .  | 35     |
| Etandard, white, suffused with carmine . . . . .   | 25     |
| Eugene Scribe, flowers large and wide, rose, blazed with carmine red . . . . .   | 10     |

- |   | EACH. |
|---|-------|
| Flamboyant, fiery scarlet, fine spike . . . . .   | 25    |
| Grand Rouge, flowers large, bright scarlet with small violet blotch in the throat . . . . .   | 35    |
| Innocence, pure white. This we think is the finest pure white Gladiolus ever offered. Flowers not large, but very compact on the spike . . . . .  | 1 00  |
| Isaac Buchanan, fine yellow . . . . .   | 10    |
| James Carter, light orange red, very bright; large, pure white throat . . . . .   | 10    |
| Laura. Light orange-red, tinged with carmine; pure white blotch . . . . .   | 10    |
| Le Poussin, light red, white ground; pretty . . . . .   | 10    |
| Le Vesuve, intense fiery red; rich . . . . .  | 35    |
| Madame Monneret, delicate rose, carmine blotch . . . . .  | 10    |
| Magnificus, flowers large and open, purplish-rose; white blotched, edged with violet . . . . .  | 1 50  |
| Matador, brilliant carmine red striped and blotched, pure white . . . . .   | 20    |
| Meyerbeer, brilliant scarlet, amaranth red blotch . . . . .   | 20    |
| Napoleon III., bright scarlet, white line in each petal . . . . .   | 10    |
| Nestor, yellow, lower part darker, red striped . . . . .  | 25    |
| Panama, intense rosy carmine suffused with scarlet, slightly marked with slate color at outer edge; white blotch . . . . .  | 50    |
| Panache, fine spike of large cherry red flowers, blotched and flamed pure white and streaked carmine (new) . . . . .  | 2 00  |
| Panorama, lilac, shaded and mottled with brilliant carmine, throat creamy white, white line in each petal . . . . .   | 15    |
| Phæbus, fiery red, with large snow white blotch . . . . .   | 20    |
| Protee, large and close spike of bright rose flowers, inner sepals glazed with lilac, the white blotch edged with rosy violet, while the outer ones are shaded with vermilion . . . . . | 1 00  |
| Princess Olga, white, veined with rose . . . . .  | 35    |
| Romeo, very large lilac flowers with large petals blotched and striped with darker lilac . . . . .  | 25    |
| Romulus, brilliant dark red, large white blotch . . . . .   | 10    |
| Teresita, pure white suffused with rose, and striped with carmine at the edges, lower petals blotched and striped with violet . . . . .   | 20    |
| Therese de Vilmorin, creamy-white, blotch light yellow, purple stripes . . . . .  | 35    |
| Titania, long spike of large flowers, creamy salmon-flamed cherry . . . . .   | 20    |
| Ulysses, clear pink, striped carmine, large ivory white blotch . . . . .  | 25    |

## NAMED GLADIOLUS.

### Our Selection.

"A Baker's Dozen." Our Prize Collection of Thirteen Selected Named Gladiolus Bulbs, the cream of our large collection, for \$1 00

"Sunrise" Collection, 25 Named Bulbs . . . . . 2 00

Banner Collection, 40 Named Bulbs . . . . . 3 00

The above collection will be made irrespective of our prices, and in many instances the value of a single bulb will be greater than the price charged for the whole collection. This is worth acting upon.

## UNNAMED GLADIOLUS.

Choice American Seedlings grown from seed that is saved from the best named varieties only. They will grow vigorously and produce as large spikes of beautiful flowers as the named sorts.

All Colors mixed, 20 bulbs, 50c; \$2 per 100.

Light Colors, all shades; 14 bulbs, 50c; \$3 per 100.

Red and scarlet, all shades; 16 bulbs 50c, \$2.50 per 100.

Not less than 50 at 100 rates.





**CLECHOMA** *Hederacea*, Variegated Ground Ivy; this plant is of creeping habit, with variegated leaves and numerous auxiliary whorls of pretty blue flowers; fine for hanging baskets. Each 20 cents.

**CENISTA CANARIENSIS.** A beautiful, flowering, greenhouse shrub. The flowers are pure golden yellow and literally cover the plant when full grown; each 15 cents.

**HYDRANGEA. Hortensic.**

The Hydrangeas are hardy south of Philadelphia; grown at the north as pot plants; their immense heads of bloom make them very conspicuous. A little shade and plenty of water seem to meet all their needs. They can be put in the cellar in the fall. For decorative plants on a piazza or porch they produce a fine effect.



**Hydrangea Otaksa**, a Japanese variety, with large clusters of pale pink flowers; extra large plants, by express only, 40 cents; second size, 20 cents.

**Otaksa Monstrosa.** Intense rose shaded white; clusters much larger than in Otaksa.

**HYDRANGEA OTAKSA MONSTROSA.** Quite small plants, bear blossoms of enormous size, which are very lasting in quality. Free in growth, and in production of bloom. Price each, 20 cents.

**New Red Branched**, (*Ramulis coccineis*). The smallest plants bear immense trusses of bloom, that are simply amazing. The branches are of a dark red color, brightening to clear crimson as they near the flower heads, which are a beautiful shade of deep rose. This is a plant of sterling merit. Plants, each 20 cts.; extra large plants, by express only, 40 cts.

**HIBISCUS (Chinese). Cibiſch (Chineſiſch.)**

Greenhouse shrubs, with dark glossy leaves, and large showy flowers; excellent for bedding out in summer. If grown in pots, will flower well in the house during winter. Its flowers are of fine form, very large and of the most brilliant colors; single or double; each 20 cents.

**Hibiscus Callerii**, flowers buff yellow, with a crimson scarlet base.

**Cooperi tricolor**, foliage beautifully variegated with dark green, pink and white; flowers crimson.

**grandiflorus**, crimson and scarlet.

**magnificus**, deep magenta, end of petals touched with brown.

**miniatus semi-plenus**, double, vermilion scarlet; very showy.

**sub-violaceus**, double, clear carmine, tinted violet.

**zebrinus**, double scarlet, edged with yellow.

The set for \$1.25.



**HELIOTROPE.**

*Heliotrope.*

Well-known plants grown for their exquisite fragrance. Handsome plants when bedded out, blooming moderately through the summer, and in profusion early in the fall. Very desirable for house culture, a single plant filling a whole room with perfume. Each, 15 cts.; \$1.50 per dozen.

**Heliotrope, Albert Delaux**, with irregular blotches and yellowish-green marks; flowers light lavender; novel and pretty.

**Lady Cook**, dark violet.

**Louise Delaux**, rose shaded with violet.

**Mrs. Lewington**, very dark purple.

**Madame de Blonay**, pure white.

**Jersey Beauty**, rich purple.

**LANTANA.**

The Lantana is of easy culture; free-flowering, very desirable for the house; plants can be trained in almost any desired form; 15 cts. each; \$1.50 per dozen, unless noted.

**Lantana Favorite**, yellow merging into crimson.

**Imperatrice Eugenie**, blush and white.

**Nelly Bly.** Produces large trusses of beautiful white flowers, which have a delicate, sweet, spicy fragrance, that is very pleasing. On opening the flowers have a showy lemon-yellow center, but this soon changes to a beautiful truss of pure snowy whiteness. A strong grower and blooms profusely; each 20 cents; three for 50 cents. See page 15.



LANTANA—NELLY BLY.

**JASMINUM grandiflorum**, is a favorite greenhouse or house plant everywhere. It is the idol of the poets and one of the sweetest flowers; foliage fine; flowers white, star-shaped, and very fragrant, blooming from November till May, easy of culture; 20 cents each.

**MAHERNIA odorata (Honey Bell)**, a pot plant of easy culture, having fine foliage and pretty, bell-shaped flowers; fragrant; each 15 cents.

**MEXICAN PRIMROSE.** Flowers almost three inches in diameter, cup-shaped, of a beautiful bright pink color with scarlet veins, and have a large, showy white center. Easy of culture. Blooms in great profusion all through the summer and autumn. Plants each, 20 cts.; two for 35 cts.

**OLEANDER.** An old-fashioned shrub grown as a pot plant.

**Double Pink**, the old variety. Each 20 cents.

**Double Pink**, extra large size. Each 30 cents.

**OTHONNA crassifolia**, a charming basket plant, with cylindrical leaves and pretty star-shaped yellow flowers, blooming almost constantly. Habit drooping, but delicate and graceful, and should be always grown in a hanging pot, basket, or on a bracket. Plants, each 15 cents; two for 25 cents.

**PEPEROMIA maculosa.** A pretty plant, with small, dark green foliage, silver veined. Suited for bracket, pot or basket culture. . . . 20

**PILEA serpyllifolia (Artillery plant)**, very small pinkish-white flowers. When flowers are ready to open the least moisture causes them to burst 20

**OXALIS. Saureflee.**

Ever blooming varieties, excellent for pots and baskets, leaves three-parted, flowers in clusters about half an inch in diameter.

**Oxalis floribunda alba**, dozen \$1.00; each 10 cents.

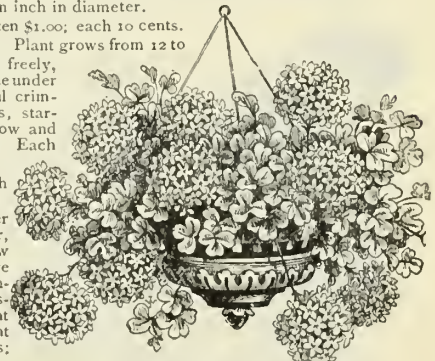
**Ortgiesi, or Golden Star.** Plant grows from 12 to

15 inches high, branching freely, with dark orange foliage, the under side of which is a beautiful crimson. Flowers in clusters, star-shaped, vivid golden yellow and blooms all the year round. Each 20 cts; three for 50 cents.

**rosea**, per dozen \$1.00; each 10 cents.

**Deppii**, excellent for summer borders and edgings. Color, violet-red. It bears but few flowers, but the leaves are handsome enough to compensate for the lack of blossoms. One pint is sufficient for a row fifty feet long. Pint 50 cts; per half pint 25 cts; per dozen 10 cents.

**lasiandra**, crimson, one of the prettiest plants we are acquainted with for borders of beds, edgings of walks, etc.; bulbs, doz. 10 cts; per 100, 50 cts.





As a pot plant it can be trained into symmetrical form, and with its dark green glossy foliage it is a beautiful specimen. It blooms most freely during winter, though it is likely to bloom at any and all times of year. One or two pots of it will give an abundance of the far-famed, delicate and fragrant orange blossoms. It is a dwarf orange, which grows, blooms and fruits freely in pots, even when only a foot or two high. The fruit is about one-half the size of ordinary oranges. Strong plants, each, 25 cents.; two 40 cents.

**PETUNIA. Petunie.**

Petunias flower from the time they are planted in spring until killed by frost. Excellent for bedding, and for pot culture they are among the most desirable plants we have. The flowers are beautiful, many of the varieties showing blooms that are as large and handsomely formed as Camellia.

- Petunia, Double, per dozen \$1.50; each 15 cents.
  - Double white, per dozen \$1.50; each 15 cents.
  - Double Variegated Red and White, per dozen \$1.50; each 15 cents.
  - Single, per dozen, \$1.50; each 15 cents.
- (See Novelties, page 19.)

**TRITOMA Uvaria**, flower stems grow four to five feet high, surmounted by a spike of curious red and orange flowers, a foot long. Each 20 cts.

**VERONICA Blue Gem**, dwarf, flowers light blue, in spikes three to four inches long. Each, 20 cents.

**VINCA major variegata**, rapid grower; leaves glossy green, marked white. Each 15 cents.

**WATER HYACINTH**. Floats on water by means of curious inflated leaves; plant in glass vessel, pail or tub. Strong blooming plants, each 15 cents; three for 40 cents.

**TIGRIDIA. Tigerblume.**



Tigridias are beautiful flowers, delicate as orchids and showing wonderful blendings of colors. Plant bulbs in May and give the same care as to Gladiolus for winter.

- Tigridia conchiflora**, yellow and orange, with dark spots; 50 cents per dozen; each . . . . . 5
  - pavonia**, red, crimson spots; 50 cents per dozen. . 5
  - grandiflora alba**, a beautiful variety, with large showy white flowers, marked at the base of each division with spots of a reddish brown color on yellow ground; 50 cents dozen . . . . . 5
  - grandiflora lilacea**, beautiful large flower, lilac, purple and white spots in center; doz. 50 cents. . 5
  - grandiflora rosea**, large bright rose flowers; per dozen 50 cents. . . . . 5
  - grandiflora immaculata**, large pure white; per dozen, \$1.00. . . . . 10
- One bulb each of the above 30 cents.

**TUBEROSE. Tuberose.**

The Tuberose is a beautiful, pure white, wax-like, very sweet-scented, double flower, growing on tall stems, each stem bearing a dozen or more flowers. In cold latitudes obtain tubers early, plant them in boxes of earth, and keep in a warm place in the house; when weather is warm transplant in the garden. Those who want this beautiful flower in early winter, can plant a few bulbs in pots in July or August, sink them to the rim in earth in the garden, where they can remain until the cool nights of autumn, then remove to the house. Our Tuberoses are all of our own growing, and splendid bulbs.

**New Dwarf Tuberose, Pearl**, per doz., 60 cts.; half doz., 35 c.; three, 20 c.; each, 8c.

**RIVINA humilis**, a beautiful little pot plant, with racemes of small white flowers, followed by scarlet berries. Each 20 cents.

**RUBUS grandiflora (Double-flowering Blackberry)**. The flowers are large and pure white. Excellent plant for house in winter. Each 20 cts.

**SOLANUM Jasminoides grandiflorum**. A beautiful plant of climbing habit that will attain a height of fifteen to twenty feet, or it may be grown to a bush form by pinching back occasionally. The flowers are borne in large clusters, and are pure white with a violet tinge on the back of petals. Fine for pot culture, as it is a constant bloomer. Each 20 cents; three for 50 cents.

**SANSEVIERA Zealanica**. A very beautiful and rare plant for all decorative purposes. One of the few plants that may be successfully grown out of the sunlight. The foliage is beautifully striped crosswise, with broad, white bands on dark green background. The flowers are borne in large spikes, about one foot in height above the foliage, and are composed of long, narrow recurving petals of a handsome creamy white color. A beautiful center plant for hanging baskets or vases. Strong plants, each, 20 cents.

**SALVIA splendens**. The well known scarlet sage, flowers bright scarlet. Each 15 cents.

**VERBENA. Verbene.**

In this list we offer a choice selection of the finest NEW VERBENAS. The individual flowers are of the largest size, often measuring an INCH IN DIAMETER. The trusses of these varieties are enormous, being nearly double the size of the older sorts. No plant will give better satisfaction for bedding than the Verbena. It commences to flower and spread from the day the plants are set until late in the autumn, every day becoming better and more handsome. A healthy plant will cover a space three feet in diameter.

- Verbena, Azurea, light blue.
- Bandeau, fine purple.
- Bonny Doon, light pink, fine.
- Cascade, pure white.
- Eclipse, scarlet, white eye.
- Fusilier, bright scarlet.
- Humboldt, purplish maroon.
- Idol, rosy lilac, white eye.
- Multicolor, white, pink flaked.
- Red Jacket, bright red.
- Rosetta, blue, white eye.
- Uralia, lilac, striped purple.



VERBENA

Named varieties, each 10 cents; per dozen \$1.00; per 100 \$7.00.

**Unnamed Sorts**. The following selection of colors will accommodate those who wish plants for bedding purposes only. They are equally as good as our named sorts, but we grow them in such large quantities that it enables us to offer them at lower rates.

**Red, White, Blue, Scarlet, Pink, Purple, Maroon, Striped**. Plants, each 10 cents; per dozen 80 cents; per hundred \$6.00.

**Mixed Varieties**. Fine assortment of colors. Plants, each, 8 cents; per dozen, 70 cents; per hundred, \$5.00.

**Lemon Verbena, (Aloysia citriodora)**. A shrubby plant, with light green, fragrant leaves, and lilac tinted flowers. An old favorite. Each 15 cts.

# VEGETABLES.

In our Vegetable Department everything is tested before being packed, so that all will grow it treated well. We have included almost every article of known value, and have excluded everything our experience has

## Vicks Complete Kitchen Garden.

Your own selection of varieties at store prices, delivered.

BEANS . . .	{ one quart or two pints	. . . . .	\$o 4o
PEAS . . .	{ two quarts or four pints	. . . . .	8o
CORN . . .	{ one quart or two pints	. . . . .	35
BEETS . . .	{ two ounces or two varieties	. . . . .	1o
CUCUMBER .	{ one ounce or two varieties	. . . . .	1o
CABBAGE . .	{ half ounce or two varieties	. . . . .	1o
CARROT . . .	{ half ounce, one variety	. . . . .	5
CAULIFLOWER	{ ¼ ounce	. . . . .	2o
CELERY . . .	{ half ounce or one ounce	. . . . .	1o
LETTUCE . . .	{ one ounce or two varieties	. . . . .	1o
MELON . . .	{ one ounce or two varieties	. . . . .	1o
ONION . . .	{ one ounce or two varieties	. . . . .	1o
PARSLEY . . .	{ ¼ ounce, one variety	. . . . .	5
PARSNIP . . .	{ half ounce, one variety	. . . . .	5
RADISH . . .	{ two ounces or two varieties	. . . . .	1o
SALSIFY . . .	{ half ounce or one ounce	. . . . .	5
SQUASH . . .	{ one ounce or two varieties	. . . . .	1o
TOMATO . . .	{ ¼ ounce or one variety	. . . . .	5
TURNIP . . .	{ two ounces or two varieties	. . . . .	1o

proved unworthy of culture. As fast as new vegetables establish their good character we add them to our list, but exercise our usual caution in introducing new candidates for public favor, submitting all to thorough trial on our grounds. The list of Vegetable Seeds is constantly increasing, and many of our customers are at a loss to know which are the best and most profitable to plant. We have, therefore, adopted the plan of describing in full all of those which we specially recommend, and of giving simply the names of other well-known varieties in condensed form.

*Any Novelties or Specialties in Vegetable Seeds offered by any reliable Seed House can be included in our customers' orders, and we will furnish the same at regular advertised prices.*

**Life is too short..  
You cannot afford  
to buy poor Seeds.**

## A New Departure.

It has seemed to us for some time that the old plan of selling Vegetable Seed in packets lacked definiteness, and was not a satisfactory one for the purchaser. There is no given rule as to the quantity of seeds put in a packet by various seedsmen, each using his own measure, consequently purchasers had no means of knowing how much ground a packet would plant, and as a rule, we believe, the quantity was not sufficient. We have therefore adopted

### A New System, Giving Definite Quantities for Five Cents,

increasing from small packets to ounces and fractions of an ounce on all the leading varieties of Vegetable Seeds, according to the cost, thus enabling our patrons to know just what they will receive, and by referring to the table below, exactly how much space the seeds will cover.

Our customers will note that we have, in giving the larger amount of seeds, likewise increased the cost of postage or delivery, and in consideration of this liberality and extra expense to ourselves, we trust you will evince your appreciation by an increase in your order in this our GOLDEN WEDDING year.

Herewith we present a collection of vegetable seeds quite desirable for an ordinary garden, which at our reduced catalogue prices amounts to \$3.00. Our customers can make their own selection (or we will do so at their suggestion) of any of the varieties of equal value mentioned in the above list, from our catalogue, and we will deliver, all charges paid, for only \$2.50. You are also at liberty to substitute any varieties for others of the same price.

You will notice in the accompanying form we have arranged so customers may select two kinds. For example, you may order one quart of Valentine Beans, or one pint each of Valentine and Prolific German Wax; one ounce Prize Head Lettuce, or one half ounce each of Prize Head and Premium Cabbage.

List Price \$3 00 We will deliver to any post office in the United States for \$2.50.

## VALUABLE TABLE.

### Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre:

Quantity per acre.		Quantity per acre.		Quantity per acre.		Quantity per acre.	
Artichoke, 1 oz. to 500 plants.....	6 oz.	Clover, Alsike and White Dutch.....	6 lbs.	Grass, Red Top, Fancy Clean 8 to 10	lbs.	Parsley, 1 oz. to 150 feet of drill..	3 lbs.
Asparagus, 1 oz. to 30 feet of drill 8	1 lb.	Clover, Lucerne, Large Red and		Grass, Timothy.....	¼ bu.	Peas, garden, 1 pint to 75 feet drill..	2 bu.
Asparagus roots .....	7250	Crimson Trefoil .....	8 lbs.	Grass, Mixed Lawn.....	4 "	Peas, field.....	3 "
Barley .....	2½ bu.	Clover, Medium .....	10 "	Horse Radish Roots.....	15,000 to 20,000	Pepper, 1 oz. to 1,500 plants.....	3 oz.
Beans, dwarf, 1 qt. to 200 ft. drill 1	"	Collards, 1 oz. to 3,000 plants.....	3 oz.	Kale, 1 oz. to 5,000 plants .....	2 oz.	Potatoes.....	8 bu.
Beans, pole, 1½ pints to 100 hills ½	bu.	Corn, rice, (shelled).....	2 qts.	Kohl Rabi, ½ oz. to 100 feet drill 4	lbs.	Pumpkin, 1 pint to 100 hills.....	4 lbs.
Beet, garden 1 oz. to 75 feet drill 5	lbs.	Corn, sweet, 1 qt. to 200 hills.....	6 "	Leek, ½ oz. to 100 feet of drill.....	4 "	Radish, 1 oz. to 100 feet of drill.....	10 "
Beet, Mangel, 1 oz. to 60 feet drill 6	"	Cress, ½ oz. to 100 feet of drill.....	12 lbs.	Lettuce, ½ oz. to 100 feet of drill 3	"	Salsify, 1 oz. to 60 hills.....	1½ bu.
Broccoli, 1 oz. to 5,000 plants.....	2 oz.	Cucumber, 1 oz. to 50 hills.....	3 "	Melon, Musk, 1 oz. to 60 hills.....	2 "	Salsify, 1 oz. to 150 feet of drill..	8 lbs.
Broom Corn.....	10 lbs.	Egg Plant, 1 oz. to 1,500 plants.....	4 oz.	Melon, Water, 1 oz. to 30 hills....	3 "	Spinage, 1 oz. to 100 feet of drill..	10 "
Brussels Sp'ts, 1 oz. to 5,000 plants	2 oz.	Endive, ½ oz. to 100 feet of drill..	4½ lbs.	Nasturtium, 2 oz. to 100 feet drill....	15 "	Sunflower .....	8 "
Buckwheat .....	½ bu.	Garlic, bulbs, 1 lb. to 10 feet drill		Oats .....	2 bu.	Squash, Summer, 4 oz. to 100 hills	2 "
Cabbage, 1 oz. to 3,500 plants .....	3 oz.	Grass, Kentucky Blue.....	4 bu.	Okra, 1½ oz. to 100 feet of drill ..	8 "	Squash, Winter, 6 oz. to 100 hills..	2 "
Carrot, 1 oz. to 150 feet of drill .....	3 lbs.	Grass, Hungarian and Millet.....	½ "	Onion Seed, 1 oz. to 100 feet drill 5	"	Tomato, 1 oz. to 3,500 plants.....	2 oz.
Cauliflower, 1 oz. to 3,500 plants.....	2½ oz.	Grass, Orchard, Perennial Eye,		Onion Sets, 1 qt. to 40 feet of drill..	5 "	Turnip, 1 oz. to 200 feet of drill..	1½ lbs.
Celery, 1 oz. to 5,000 plants.....	2 "	Red Top, Fowl Meadow and		Onion Sets, 1 qt. to 40 feet of drill..	5 bu.	Vetches.....	2 bu.
Chicory .....	4 lbs.	Wood Meadow.....	2 "	Parasui, 1 oz. to 200 feet of drill..	5 lbs.	Wheat.....	1½ "

# ASPARAGUS.

## Asparag.

Sow seed in drills about one inch deep, and the rows wide enough apart to admit of hoeing—about a foot. An ounce of seed is sufficient for a drill thirty feet long. Keep the soil mellow and free from weeds during the summer, and in the fall or succeeding spring the plants may be set out in beds, about a foot apart each way. The beds should be narrow, so as to permit of cutting to the center. Set plants about a foot apart, with crowns four inches below the surface, and spread the roots. Before winter, cover the transplanted beds with about four inches of manure. Salt is an excellent manure for Asparagus. Sow a little on the surface in the spring and it will keep down the weeds. By purchasing plants a year at least of time is saved. The young tops may be cut for the table the second summer, but not very freely until the third.

### Asparagus, Vick's Mammoth.

This is undoubtedly the largest and best Asparagus grown and takes the lead of all other varieties. Per lb. 75 c.; ¼ lb. 25 c.; per oz. 10 c.; ½ oz. 5

### STRONG TWO YEAR ROOTS.

100, by mail, prepaid . . . \$ 1 75  
 100, express not prepaid . . . 1 00  
 1000, by freight or express, not prepaid . . . . . 6 00

### Conover's Colossal, large and of rapid growth Per lb 35c.;

¼ lb. 10c.; oz. . . . . 5

### STRONG TWO YEAR ROOTS.

100, by mail, prepaid . . . 1 50  
 100, express not prepaid . . . 75  
 1000, by freight or express, not prepaid . . . . . 5 00

### Columbian Mammoth

White, a new variety, producing white stalks of large size and finest quality. Per lb. 75c.; ¼ lb. 25c.; oz. 10c. ½ oz. . . . . 5

# ARTICHOKE.

## Artichoke.

The Jerusalem Artichoke is a wonderfully hardy and productive plant, yielding roots in immense quantities. They are like potatoes in appearance, and if we had no potatoes would not make a bad substitute. It is good for all stock and is not bad for the table. Plant tubers like potatoes, and enough is usually left to seed the ground for the next crop. There is another Artichoke, very little grown in America, the Globe

# BROCOLI.

## Broccoli.

Broccoli resembles the Cauliflower; indeed, it is hardly possible to distinguish the difference. Broccoli, however, is the more hardy, and in many sections of our country would not suffer in winter, but it dislikes severe summer heat more than cold, and to succeed, it would be necessary to grow late plants, and set them out after the extreme heat of summer is past.

Treated in this way we do not know why we can not have Broccoli.

**Broccoli, Purple Cape**, one of the hardest and most popular varieties, and the most certain to form a good head; the earliest of the purple varieties; per lb. \$3.50; oz. 35 cents; packet . . . . . 5

**White Cape**, heads medium size, compact, of a creamy white color and excellent flavor. Per lb. \$3.50; oz. 35 cents; packet . . . . . 5

# Brussels Sprouts.

The culture of Brussels Sprouts is the same as for Cabbage. If early plants are raised in a hot-bed they will perfect themselves in September in the North, and a later sowing should be made in the open ground, that will be in perfection about the time winter commences. These should be taken up and placed in a good cellar, with the roots in earth, where they will remain fit for use during the winter. Where the winters are not very severe they may remain in the open ground, to be cut as needed. Per lb. \$1.50; ounce 15 cts.; packet 5 cents.

# BORECOLE or Kale.

The Kales are more hardy than Cabbage, and will endure considerable frost without injury. When cut frozen they should be immediately placed in cold water. They do not form heads like Cabbage, but form abundance of pretty, curly leaves, that are very ornamental and highly prized. The Kale furnishes abundant food for the cottagers of Europe, and when well grown and properly prepared is good enough for any one. Culture same as for Cabbage.

**Dwarf Green Curled Scotch**, dwarf, beautifully curled, and bright green; hardy, and may be cut from the ground all the early part of winter. Per pound 75 cents; ounce 10 cents; pkt. 5

**Dwarf Purple Kale**, like Scotch Kale, except in color, but more hardy; per pound 80 cts; ounce 10 cts; pkt. . 5

**Tall Green Curled Scotch**, finely curled; very hardy; one of the best; per lb. 75 cents; oz. 10 cents; packet 5



VICKS' MAMMOTH ASPARAGUS



BROCOLI.

Artichoke. The portion used is the flower head in an undeveloped state. Artichoke, Jerusalem, per bushel \$1.75; per peck 60 cents, by freight or express, charges not prepaid; per quart, by mail or express, prepaid . . . . . 50  
 Green Globe, seed per pound \$3.00; per oz. 30 cents; per packet. . . 5



BORECOLE.

**MANY** New Varieties of \*Vegetables, Flowers and Plants will be found in their proper Departments, as well as in the Novelty Pages. Look through the pages carefully.

# BEANS. Bohu.

Beans like a dry and rather light soil, though they will do well in any garden soil if not planted too early in the spring. Dwarfs are earliest and most hardy as a general rule. In garden culture Beans are generally planted in rows eighteen inches apart, and three inches apart in the row; in field culture, in drills, so as to cultivate with horse one way. Running Beans are planted in hills two or three feet apart. At prices quoted the goods are delivered except when noted. It will be noted that in nearly all varieties we put up one-half pints for 10 cents, or about twice the quantity of other dealers.

## DWARF WAX BEANS.

- Beans, New Prolific German Wax**, an improvement on the old Wax, or Butter, having longer, rounder, straighter pods; more prolific; per quart 40 cents; pint 20 cents; 1/2 pint 10 cents
- Keeney's Rustless Golden Wax**. A strong growing bush bean, free from rust, and has remarkable vigor; pods are meaty and well filled, of fine quality, and stringless from first to last, even when old enough to shell. With its fine quality, hardness, productiveness and freedom from rust, it must become a favorite. Price, quart 40 cents; pint 20 cents; 1/2 pint 10 cents
- Improved Golden Wax**, an early, stringless Bean, of golden wax color and excellent quality; per quart 35 cents; pint 20 cents; 1/2 pint 10 cents
- Jones' Stringless White Seed Round Pod Wax**. This absolutely stringless bean of bush type is a week earlier than any strain of Black Wax, the pods form very quickly and are long, perfectly round and exceptionally solid, of a delicate light yellow color; free from rust. When ripe the seeds will grade in the produce market as No. 1 Mediums or small Marrows, being the first true wax pod variety having qualities adapted to the produce trade, and if left to ripen a larger yield of dry beans can be harvested than from the field varieties. Only offered by the packet . . . . . 15
- Valentine Wax**, an improved, extra early, red valentine bean with round wax pod. Very tender, and almost stringless. Pod free from toughness and remarkably solid; early, handsome in appearance and free from rust. Price, per quart 40 cts.; pint 20 cts.; 1/2 pint 10 cents
- Davis' White Wax**. A new white, rustless, productive wax podded sort, with large, handsome straight pods, often seven to eight inches in length, containing pure white kidney-shaped beans, which when fit for use are quite stringless. The Davis Wax will produce a third more bushels of pods to the acre than any other wax bean. Fine for gardeners and canners. Per quart 40 cents; pint 20 cents; 1/2 pint 10 cents
- Wardwell's Kidney Wax**, extra early; long, flat, waxy pods; remarkably free from rust; per quart 40 cents; pint 20 cents; 1/2 pint 10 cents
- Yosemite Mammoth Wax**, so named on account of its enormous size. Pods are of a rich golden color, eight or nine inches in length, with the thickness of a man's finger, nearly solid pulp, absolutely stringless. Enormously productive; quart 50 cents; pint 30 cents; 1/2 pint 15 cents
- Black-Eyed Wax**. **Flageolet Wax**. **Speckled Wax**.  
Quart 40 cents; pint 20 cents; half pint 10 cents.

## GREEN POD DWARF SNAP BEANS.

**New Stringless Green Pod**. Best stringless green pod bean in cultivation. Pods absolutely stringless; full, fleshy; crisp and of tender flavor, remaining long in edible condition. Ready for market two weeks earlier than Valentine and very prolific. quart 40 cts.; pint 20 cts.; 1/2 pint 10 cents

**Extra Early Red Valentine**, early and tender for String Beans; quart 35 cts., pint 20 cts.; 1/2 pint 10 cents

**Long Yellow Six Weeks**, one of the best green podded varieties; early, tender, stringless; per quart 35 cents; per pint 20 cents; 1/2 pint 10 cents

**Early Mohawk**, an early, hardy, productive String Bean; per quart 35 cents; pint 20 cents; 1/2 pint 10 cents

**Extra Early Refugee**. Has all the good qualities of the well-known Refugee, with the advantage of being ready for use ten days earlier; quart 35 cts.; pint 20 cts.; 1/2 pint 10 cents

**Vick's Dwarf Prolific Pickler** is distinct in seed, color and habit of growth; most prolific bean in cultivation. When young they make a most excellent Snap Bean, being at that season entirely stringless. Stocky plants from 2 1/2 to 3 feet. Pods in clusters and from 7 to 10 inches long, showing the green color so desirable for pickles; quart 40 cents; pint 20; 1/2 pint 10 cents

**Broad Windsor**, **White Marrow**, **Dwarf Horticultural**, **White Kidney** or **Royal Dwarf**.  
Quart 35 cents; pint 20 cents; half pint 10 cents.

## POLE, OR RUNNING BEANS.

**Horticultural Lima Bean**. This is a true cross between Improved Pole Lima and Dwarf Horticultural. For good quality, extreme earliness, hardness, flavor, and productiveness it excels. Three weeks earlier than any other Lima; can be grown successfully in the North and in Canada where no ordinary Lima will mature. For an early green shell pole bean it has no equal; quart 50 cts.; pint 30 cts.; 1/2 pint 15 cents

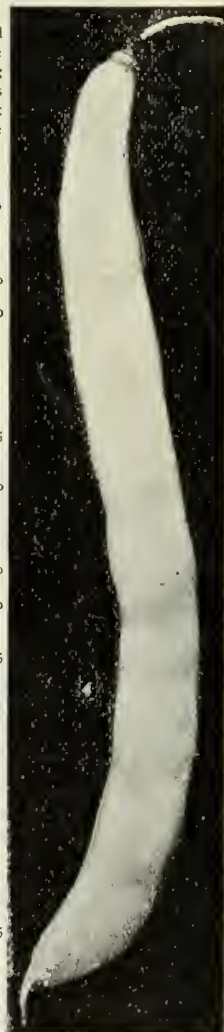
**Old Homestead**. (Kentucky Wonder). Far ahead of any other green Pole Bean. Ten days earlier than any other green sort, being fit for the table by the first of August. It is enormously productive, entirely stringless; the pods, though large, cook tender and are delicious.  
Per quart 40 cents; pint 20 cents; 1/2 pint 10 cents



THE JONES.



DWARF LIMA BEAN.



YOSEMITE WAX BEAN.

**Bean, Rogers' "Lima Wax"**. Named Lima Wax, as it has bright, glossy foliage and the bloom resembles the dwarf Lima. The pods are broad and flat. Require thin planting (two beans being sufficient for a hill); color transparent glossy lemon wax. Four essential points: 1. Productiveness. 2. Handsome colored and tender pods. 3.

Delicious flavor. 4. White seeded; an excellent baking bean. Per quart 50 cts.; pint 30 cts.; 1/2 pint 15 cents

**Early Golden Cluster Wax**. A vigorous and productive variety; pods long, flat, very white, tender, and good quality; the earliest of the Pole Beans; per quart 50 cents; pint 30 cents; 1/2 pint 15 cents

**Extra Early Lima** does not differ materially from common sorts, except in earliness; in this it has the advantage of from ten days to two weeks; quart 50 cents; pint 30 cents; 1/2 pint 15 cents

**"King of the Garden" Lima Bean**, a vigorous grower, requiring but two vines to each pole. Pods set early at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Pods measure from five to eight inches and contain five, six, and seven perfectly formed Beans, of superior edible quality. Per quart 45c.; pint 25c.; 1/2 pint 15 cents

**Improved Lima**, (Dreer's) earlier and more productive than the old sort; per quart 50 cts.; pint 30 cts.; 1/2 pint 15 cents

**Giant Wax**, thick, fleshy, waxy-looking pods, tender and excellent as a Snap Bean; productive, keeping in bearing a long time; seeds red. Per quart 50 cts.; pint 30 cts. 1/2 pint 15 cents

**Scarlet Runner**, **Dutch Case Knife**, **Southern Prolific**, **Large White Lima**, **London Horticultural** or **Speckled Cranberry**.  
Per quart 40 cents; pint 20 cents; half pint 10 cents.

## DWARF BUSH LIMA BEANS.

**True Bush Lima** (Burpee's), Is both prolific and early. Per quart 50 cents; pint 30 cents; 1/2 pint 15 cents

**Improved Bush Lima** (Dreer's), Desirable on account of dwarf habit and earliness; per quart 50c, pint 30 c.; 1/2 pint 15 cents

**Small Bush Lima** (Henderson's), The most prolific of the Bush Lima varieties. Per quart 45 cents; pint 25 cents; 1/2 pint 15 cents

# BEETS. *Rothc Rüben*

For Beets the soil should be rich, mellow, and deep. Plant in drills about two inches deep and the rows about twelve or fifteen inches apart. Set the seeds in the drills about two inches apart. For field culture the rows should be wide enough to admit the horse cultivator and the roots not nearer than one foot in the rows. The Mangel Wurzel Beets grow to a very large size, are coarse, and wonderfully productive, making excellent food for cattle. Those who have never tried the Mangels for stock, have yet to learn of their great value for cattle, both for milk and meat. Then, they are juicy and refreshing, and add to the health and comfort of the animals. In no way can so much good cattle food be grown so cheaply as in Mangels.

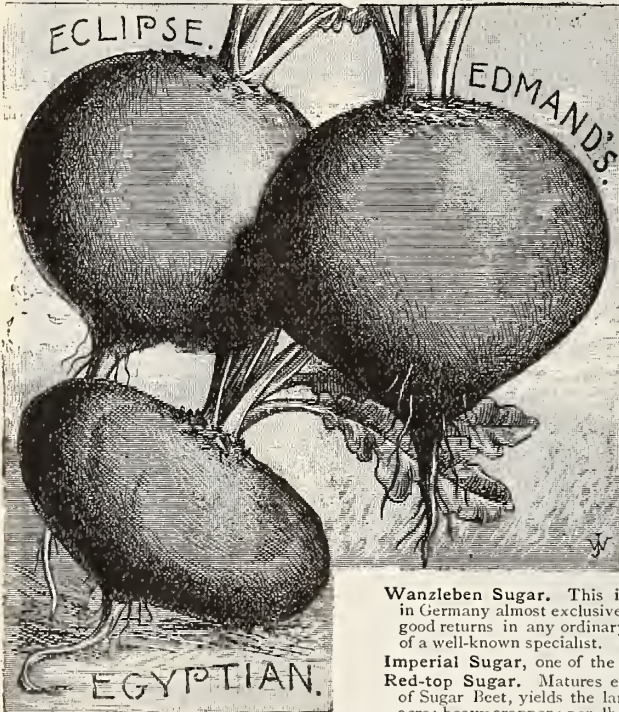
The engraving below exhibits the very thick leaf-stalks of the kind known as Swiss Chard, the leafstalks being eaten when cooked, like Asparagus, and we consider it a great luxury.

**Beet, Crosby's Improved Egyptian**, a superior strain of the well-known Egyptian. Fine quality, handsome form, good size, few small tops, deep blood red color, of quick and rapid growth, fine for forcing in frames or first sowing in open ground.

Per lb. 60 cents; ounce 10 cents; ½ ounce . . . . . 5

**Dirigo**. This is a rich blood-red turnip-beet, of fine-grain and flavor, runs very uniform in size, with a small top. One of the very best early varieties for market gardeners. Per lb. 50 cts.; oz. 10 cts.; ½ oz. 5

**Egyptian Blood Turnip**, the earliest variety grown, and valuable on this account; per lb. 50 cts.; oz. 10 cts.; ½ ounce . . . . . 5



**Beet, Eclipse**, a standard early variety, about as early as the Egyptian; root round, dark red, smooth; top small; quality excellent.

Per lb. 50 cents; oz. 10 cents; ½ ounce . . . . . 5

**Extra Early Turnip Bassano**, an early, good Beet, tender and juicy; flesh white and rose; grows to a good size; when sown late, it keeps well in the winter. per lb. 50 cts.; oz. 10 cts.; ½ oz . . . . . 5

**Half Long Blood**, the roots are about one-half as long as the Long Blood, always smooth and handsome and the rich dark red flesh is very sweet, crisp and tender, never becoming woody. A valuable sort and by far the best for winter use.

Per lb. 50 cents; ounce 10 cents; ½ ounce . . . . . 5

**Improved Early Blood Turnip**, turnip-shaped, smooth, tender and good; about ten days after Bassano; per lb. 50 cts.; oz. 10 cts.; ½ oz. 5

**Edmand's Early Blood Turnip**, a market gardener's strain; very regular in shape; deep blood skin and very dark flesh.

Per lb. 50 cents; oz. 10 cents; ½ ounce . . . . . 5

**Long Blood Red, Bastian's Early Turnip, Early Yellow Turnip, Lentz Turnip, Electric, Surprise, Columbia.**

Per pound 50 cents; per ounce 10 cents; per half-ounce 5 cents.

## SUGAR BEETS FOR CATTLE.

**Wanzleben Sugar**. This is a variety with small top leaves and a small root. It is being cultivated in Germany almost exclusively for sugar, on account of its great yield and saccharine qualities. It gives good returns in any ordinary soil, and is easily harvested. We are introducing this beet on the authority of a well-known specialist. Per lb. 50 cts.; oz. 10 cts.; ½ oz . . . . . 5

**Imperial Sugar**, one of the sweetest and best Sugar Beets; per lb. 40 cts.; oz. 10 cts.; ½ oz . . . . . 5

**Red-top Sugar**. Matures earlier than other varieties of Sugar Beet, yields the largest returns in sugar per acre; heavy cropper; per lb., 40 c.; oz. 10 c.; ½ oz . . . . . 5

## USED FOR LEAVES AND LEAF-STALKS ONLY.

**Beck's Improved Sea Kale**, a variety of Beet with beautiful, tender leaves, popular for cooking as "greens"; per lb. 50 cents; oz. 10 cents; ½ ounce . . . . . 5

**Swiss Chard, Large Ribbed Scarlet Brazilian**, per lb. 50 cts.; oz. 10 cts.; ½ ounce . . . . . 5

**Swiss Chard, Large Ribbed Yellow Brazilian**, per lb. 50 cts.; oz. 10 cents; ½ ounce . . . . . 5

**Swiss Chard, Large Ribbed Silver**, per lb. 50 cents; oz. 10 cents; ½ ounce . . . . . 5

## MANGEL WURZELS—USED FOR CATTLE.

Five Pounds or More by Express or Freight, Not Paid, 20 cents per Pound.

**Golden Giant**. Produces a larger crop than any other variety of Mangel. Root of magnificent size, growing with half its bulk above ground, making it easy to lift and gather. Root is uniform in shape with a smooth, russet yellow skin, flesh white, firm and sweet, and greatly relished by cattle; an excellent keeper. Per pound 40 cents; ¼ pound 15 cents; ounce . . . . . 5

**Vick's Mammoth Long Red**, large size and good quality; one of the best stocks of Long Red Mangel; per pound 35 cents; ¼ pound 15 cents; ounce . . . . . 5

**Improved Orange Globe**, the best round Mangel; keeps better than the Long Red, and is better adapted for growing in shallow soils; per pound 35 cents; ¼ lb. 15 cents; ounce . . . . . 5

**Golden Tankard**, a fine variety; particularly valuable on account of its milk-producing qualities; flesh deep yellow; per lb. 35 cents; ¼ lb. 15 cents; ounce . . . . . 5

**Yellow Globe, Elvetham Long Yellow, Red Globe,**

Per pound 35 cents. Quarter pound 15 cents. Ounce 5 cents.

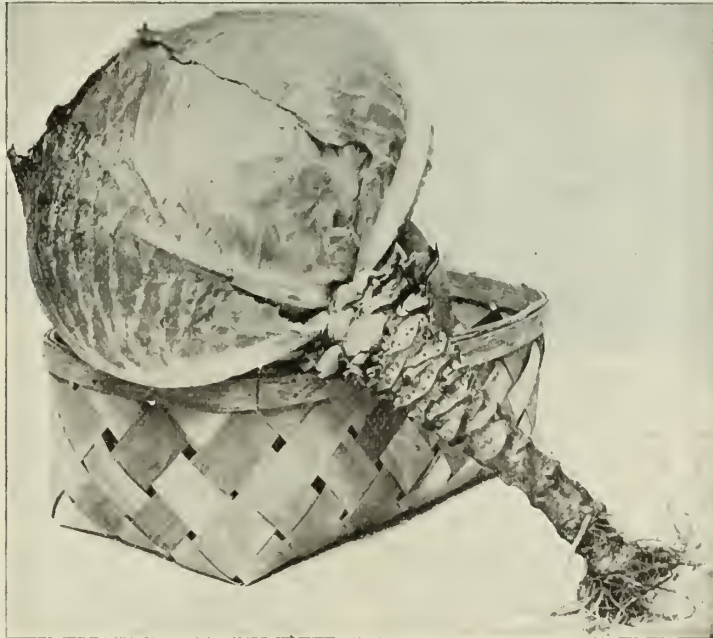


# CABBAGE. Strout.

The Cabbage requires a deep, rich soil, and thorough working. For ordinary home use with either early or late varieties, sow in seed bed early in spring, but for early use the plants should be started in a hotbed or coldframe. Plant the large varieties three feet apart; the small, early sorts, from a foot to eighteen inches. The Savoy Cabbages have wrinkled leaves and are of fine flavor, especially after a little frost has touched them in the autumn. If cabbages are troubled with insects use Vick's Insect Exterminator—see advertisement.

- Cabbage, Extra Early Estampes**, a very early sort, producing medium sized heads, very sharply pointed; per lb. \$1.00; oz. 15 cents; ¼ oz. . . . . 5
- Selected Early Wakefield**, the great favorite with market gardeners; the earliest, and sure to head. The seed is true and the best; per lb. \$2.00; per oz. 20 cents; ¼ oz. . . . . 5
- Charleston or Large Wakefield**, a strain of Wakefield, the plant somewhat larger and later, the head larger and not so pointed. To those gardeners who are not so particular as to earliness this strain is preferable; per lb. \$2.00; ounce 20 cents; ¼ ounce . . . . . 5
- New Early Spring**. This valuable acquisition is an extra early round flat head coming as early as Wakefield and yielding one-third more. Truckers or private gardeners will make no mistake in growing this valuable variety. Per lb. \$4.00; oz. 40c.; ¼ oz. 15 cts.; packet . . . . . 5
- Early Winningstadt**. A fine tender variety, sugar-loaf in form; one of the best summer sorts; if sown late, good for fall or even winter; per lb. \$1.25; oz. 15 c.; ¼ oz. . . . . 5

- Improved Early Summer**. Popular with the Long Island gardeners; following the Wakefield and resembles the Early Flat Dutch; should be sown in a hot-bed in February or March, as when sown in the fall and wintered over the plants are inclined to run to seed; per lb. \$1.50; oz. 15 cents; ¼ oz. . . . . 5
- All Seasons**. A new and very superior sure heading variety. May be planted early or late, as it forms large and very solid heads quickly. Quality excellent. Per lb. \$1.50; oz. 15c.; ¼ oz. . . . . 5
- Fottler's Improved Brunswick** One of the very best second early sorts. Heads large flat, solid, and of excellent quality. Stems very short. Per lb. \$1.25; oz. 15 cents; ¼ oz. . . . . 5



IMPROVED DANISH BALLHEAD.



ALL SEASONS.



IMPROVED EARLY SUMMER.

- Cabbage, Improved Succession**. A sure heading, long keeping variety, about ten days later than the well known Early Summer, with larger and heavier heads. Per lb. \$1.75; oz. 20 cts.; ¼ oz. . . . . 5
- Warren's Stone Mason**. A great improvement on the old Stone Mason. The heads are deep and nearly round. An excellent sort to carry through the winter. Its reliability for heading is unsurpassed. Comes with the Fottler's, and a capital sort to succeed the All Seasons. Per lb. \$1.75; oz. 20 cents; ¼ oz. . . . . 5
- The Lupton**. This variety is one of the best for a main crop, combining as it does the best qualities of the second early and the late sorts. It is also one of the best keepers we have, coming out in the spring bright and fresh. Per lb. \$1.75; oz. 20 c.; ¼ oz. . . . . 5
- Autumn King or World Beater**. A new strain of late cabbage, which is coming

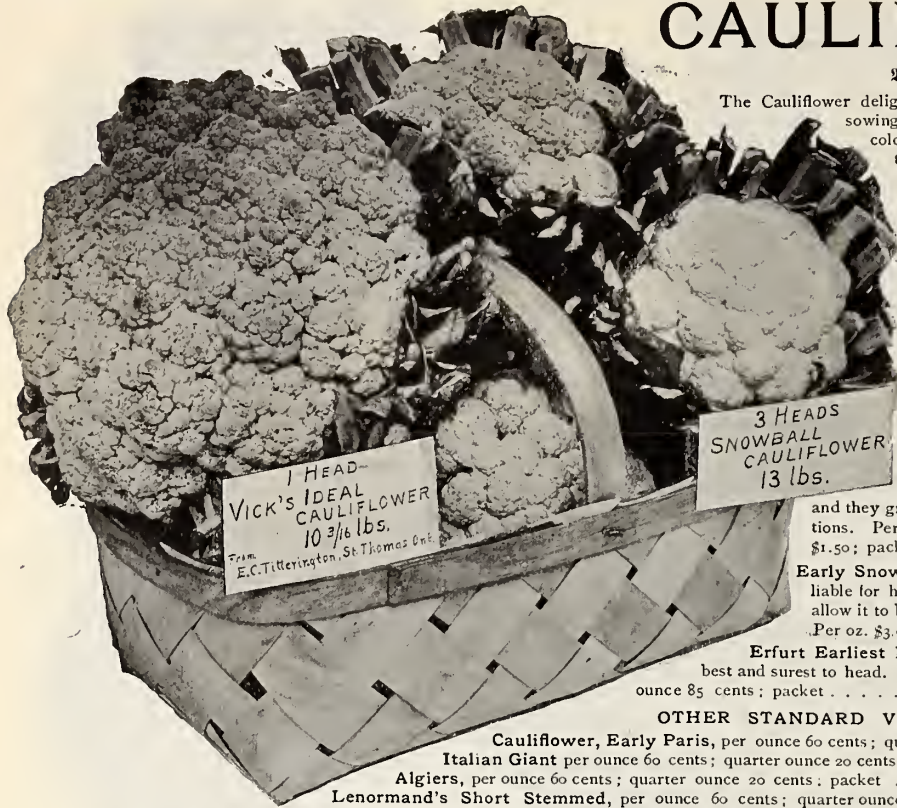
- into general use. The heads are of enormous size and solid as a rock, fine grained and tender, more so than any other very large cabbage. Per lb. \$2.00; oz. 20 cts.; ¼ oz. . . . . 5
- Louisville Drumhead**. A variety grown largely by market gardeners in the South-west; it stands hot weather better than most other sorts, and is a sure cropper; resembles Premium Flat Dutch; per lb. \$1.50; oz. 15 cents; ¼ oz. . . . . 5
- Vick's Improved Danish Ballhead**. Hardest heading variety known. Remarkable for great weight and long-keeping qualities. The fame of this particular strain has become world wide, and today it stands without a peer. It was introduced by us as a novelty in 1887, and has increased in favor among the shippers and growers until now it is difficult to supply the demand. It commands a higher price in the market than any other variety. Heads of medium size with few outer leaves, admitting of close planting; exceedingly fine, hardest of all, tender, crisp, solid, with no waste heart. Will average six pounds per head. Do not be deceived by substitutes, such as German Export, Hollander and other named sorts. There is only one Improved Danish Ballhead Cabbage and this we import direct from our original grower in Denmark. Per pound \$2.50; ounce 25 cents.; ¼ ounce 10 cents; packet . . . . . 5
- Selected Premium Late Flat Dutch**. No introduction is really necessary for this old reliable and popular cabbage. There are many so called strains of this valuable variety but what we offer is our own, having for years taken great pains to maintain and develop all its good qualities. It produces large oval solid heads of superior quality, keeping in best condition for a long time. Per lb. \$1.50; oz. 15 cts.; ¼ oz. . . . . 5
- Perfection Drumhead Savoy**, a variety which the market gardeners in the neighborhood of New York think they have so much improved as to entitle it to a name. It is from the Drumhead Savoy; lb. \$1.50; oz. 15 cts.; ¼ oz. . . . . 5
- Mammoth Rock Red**. This is by far the best, largest and most reliable heading red Cabbage ever introduced. The head is large, round, very solid, and of a deep red color; per lb. \$2.00; oz. 20 cents; ¼ ounce . . . . . 5

**OTHER STANDARD VARIETIES OF CABBAGE.**

Newark Early Flat Dutch. Large Late Drumhead. All Head Early. Dwarf Green Curled Savoy. Marblehead Mammoth Drumhead. Early Blood Red. Each \$1.25 per pound; ounce 15 cents; quarter ounce 5 cents.

# CAULIFLOWER.

## Blumentohl.



The Cauliflower delights in a rich soil and abundance of water. By sowing the early varieties in the spring, in a hot bed or cold-frame, or even in an open border, they can be obtained in pretty good season. For late Cauliflower, sow seed in a cool, moist place, on the north side of a building or tight fence, in this latitude about the first of May, and they will not be troubled with the little black beetle, so destructive to everything of the Cabbage tribe when young.

Do not allow the plants to become crowded in the seed-bed. Transplant in moist weather, or shade the newly set plants. In a dry time Cauliflower plants must be watered.

**Cauliflower, Vick's Ideal.** This variety is superior to any other variety for *reliability of heading and size and solidity of heads*. By innumerable trials in all parts of the country, it has established the claims made for it, and stands today as the leading variety for market and for private use. The plants can be set closely,

and they grow and mature rapidly under favorable conditions. Per ounce \$4.50; half ounce \$2.50; quarter ounce \$1.50; packet . . . . . 20

**Early Snowball**, one of the earliest varieties, and very reliable for heading. Its dwarf habit and short outer leaves allow it to be planted very close—18 to 20 inches apart. Per oz. \$3.00; half oz. \$1.50; quarter oz 85 cts.; packet . . . . . 15

**Erfurt Earliest Dwarf**, low, with pure white curd; one of the best and surest to head. Per ounce \$3.00; half ounce \$1.50; quarter ounce 85 cents; packet . . . . . 15

### OTHER STANDARD VARIETIES.

- Cauliflower, Early Paris**, per ounce 60 cents; quarter ounce 20 cents; packet . . . . . 5
- Italian Giant** per ounce 60 cents; quarter ounce 20 cents; packet . . . . . 5
- Algiers**, per ounce 60 cents; quarter ounce 20 cents; packet . . . . . 5
- Lenormand's Short Stemmed**, per ounce 60 cents; quarter ounce 20 cents; packet . . . . . 5

# CARROTS.

## Gelbe Rüben.

The Carrot should always be furnished a good, deep, rich soil. Sow in drills about an inch deep, the drills about a foot apart; and at thinning, the plants should be left from four to ten inches apart, according to kind. The short kinds are finest grained, best adapted for table use, can be had very early, and may be allowed to grow very thickly upon the ground. The large sorts are admirable for all kinds of stock, and nothing is more relished by horses in winter, and nothing is more healthful. Some prefer the short kinds, even for stock, as

they are so easily gathered, and give such a good crop.

- Carrot, Earliest French Forcing**, fig. 1. The earliest variety and one greatly esteemed for forcing purposes. Root of an orange red color and small top. Per lb. 75 cts.; ¼ lb. 20 cts.; ounce 10 cts.; ½ oz. . . . . 5
- Early Short-Horn**, small; fine for table use (Fig. 6). Per lb. 60 cents; ¼ lb. 20 cents; ounce 10 cents; ½ ounce . . . . . 5

**Chantenay Stump-Rooted**, This variety is midway in shape between the Nantes Half-Long Stump-Rooted Carrot and the Guerande or Oxheart variety, nearly equaling the former in length, and having the broad shoulder and tapering root of the latter. Noticeable for its smoothness and regularity of surface (fig. 2). Per lb. 55 cents; ¼ lb. 20 cents; ounce 10 cents; ½ ounce . . . . . 5

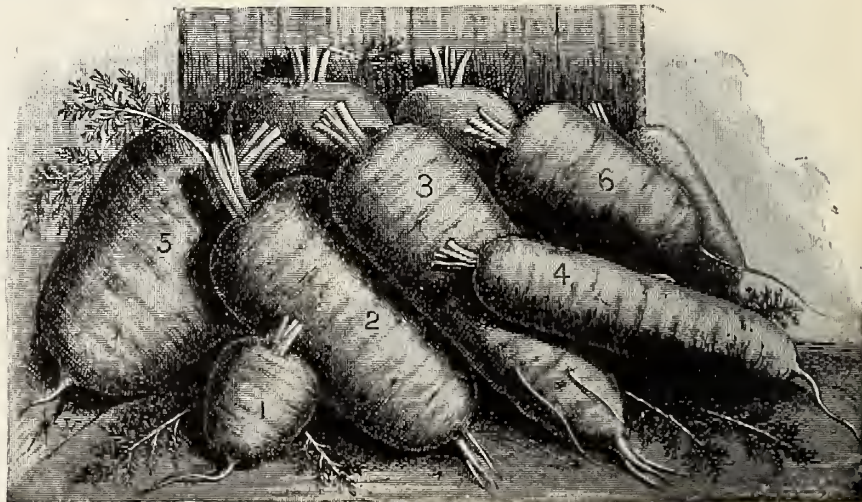
**Guerande, or Oxheart**. This variety has given great satisfaction. While not attaining one-half the length of many other varieties, it will compare favorably in bulk of crop, as on good land it will produce Carrots four to six inches in diameter. The crop can also be readily pulled, while the longer sorts require digging; (Fig. 5) per lb. 60 cents; ¼ lb. 20 cents; ounce 10 cents; ½ ounce . . . . . 5

**Half-Long Scarlet Stump-Rooted**, larger than Short Horn; desirable table variety (fig. 4). Per lb. 55 cts.; ¼ lb. 20 cts.; oz. 10 cts.; ½ oz. . . . . 5

**Danvers Half-Long Orange**, a first-class variety; flesh dark orange; very productive; the market gardener's favorite (fig. 3). Per lb. 50 cts.; ¼ lb. 20 cts.; ounce 10 cts.; ½ ounce . . . . . 5

**Improved Short White**. For a field carrot this is unexcelled. The roots are short, very heavy at the shoulder; smooth, tapering to a point. Enormously productive. Per lb. 40 cents; ¼ lb. 15 c.; oz. 10 c.; ½ oz. . . . . 5

- Carrot, Improved Long Orange**, the old standard and popular variety. Per lb. 50 cents; ¼ lb. 20 cents; ounce 10 cents; ½ ounce . . . . . 5
- The following two varieties are used exclusively for stock feeding
- Orange Belgian Green Top.** **Giant White Belgian Green Top.** Each 50 cents per pound; 10 cents per ounce; half ounce 5 cents.





# CELERY.

## Celtic.

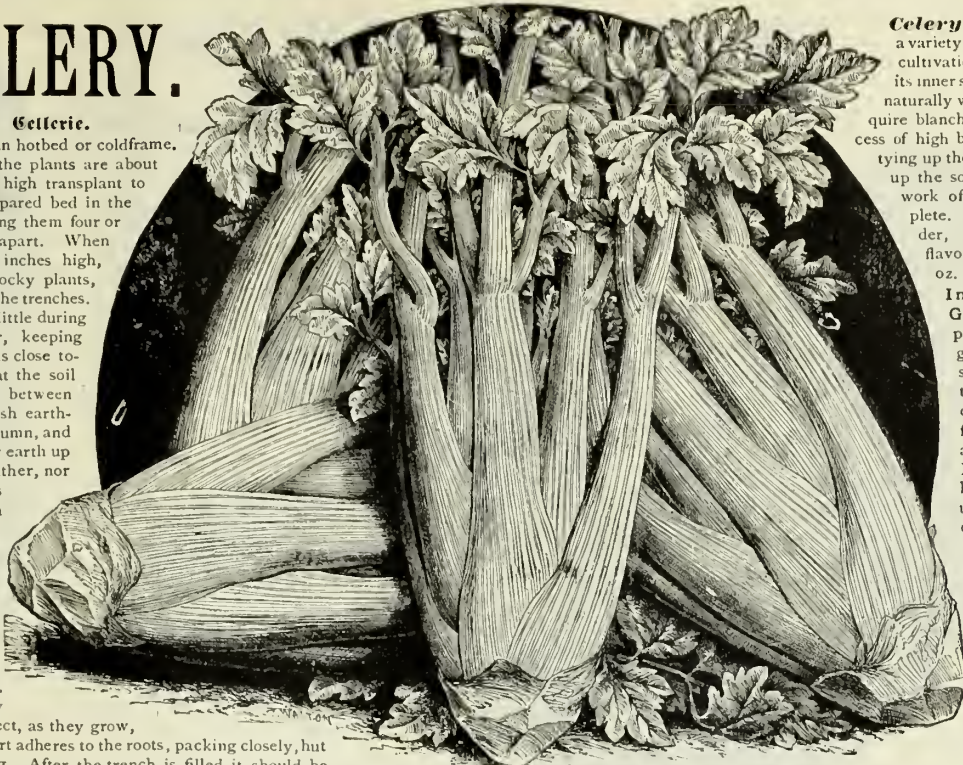
Sow seed in hotbed or coldframe. As soon as the plants are about three inches high transplant to a nicely prepared bed in the border, setting them four or five inches apart. When some eight inches high, and fine, stocky plants, set them in the trenches. Earth up a little during the summer, keeping the leaf stalks close together so that the soil cannot get between them. Finish earthing up in autumn, and never hoe or earth up in moist weather, nor when plants are wet with dew.

To keep Celery for winter, dig trenches a foot wide and as deep as the tops of the plants. Stand Celery in these, erect, as they grow,

with what dirt adheres to the roots, packing closely, but not crowding. After the trench is filled it should be covered with straw or leaves, as a protection from frost. Do not cover until the weather becomes quite cold, and then only a little at a time, as the cold becomes greater. Celery will bear a good deal of frost. The trench must have good drainage.

**Celery, Paris Golden Dwarf Self-Blanching.** This is a celery of French origin, and we still procure this strain of seed from the original French grower. We have tested it in our experimental grounds for several years, and indorse it as a valuable acquisition. It is of dwarf habit and very stocky; stalks very uniform in height, growing very compactly; color of majority of stalks and leaves a rich golden yellow. In quality we have found it unexcelled, being solid, tender, crisp and rich in flavor. The same culture and treatment will apply to it as to the White Plume Celery. Per lb. \$3.50; oz. 30 cents; 1/4 oz. . . . . 10

**Dwarf Golden Heart.** Half Dwarf; silvery white with waxy, golden yellow heart; perfectly solid, of excellent flavor and a good keeper. Per lb. \$1.75; oz. 20 cents; 1/4 oz. . . . . 5



GOLDEN SELF-BLANCHING

**Celery, White Plume** a variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white, and do not require blanching by the old process of high banking. By simply tying up the stalks and drawing up the soil with the hoe the work of blanching is complete. It is ornamental, tender, crisp, and of good flavor. Per lb. \$1.75; oz. 20 cents; 1/4 oz. . . . . 5

**Improved Dwarf Golden Heart.** A prominent market gardener has for years sold on our market this improved strain of Golden Heart, for which he receives an advanced price. Its good and long-keeping qualities are unexcelled by any other variety. We have been fortunate in receiving a limited supply of this stock. Per lb. \$3.00; oz. 30 cents; 1/4 oz. . . . . 10

**New Rose.** The red Celeries are harder and better keepers than the white and yellow sorts, and are of superior quality. The

**New Rose** has all the qualities of the red sorts, while its delicate pink color gives it a handsome appearance. Per lb. \$1.75; oz. 20 cents 1/4 oz. 5

**California Golden Self-Blanching.** This is a strain of the well-known variety grown in California, and offered by many as pure French grown. Per lb. \$2.50; oz. 20 cents; 1/4 oz. . . . . 5

**New Giant Paschal.** This is a selection from the Golden Self-blanching Celery; the stalks are very large, thick, solid and crisp; it bleaches with but slight earthing up. Per lb. \$1.75; oz. 20 cents; 1/4 oz. . . . . 5

**Turnip-Rooted (Celeriac)** forming turnip-shaped bulbs, of Celery flavor; per lb. \$1.50; oz. 15 cents; 1/4 oz. . . . . 5

## OTHER STANDARD VARIETIES.

**Perfection Heartwell, Laing's Mammoth Red, Boston Market, Henderson's Dwarf White, Crawford's Half Dwarf, Pink Plume.** Each \$1.75 per lb.; 20 cents oz.; 5 cents 1-4 oz. Old seeds for flavoring, excellent, 40 cents per pound; 10 cents per ounce.

## CRESS. Kress.

Cress should be sown in a hot-bed or in a sheltered spot in the garden, quite thick, in shallow drills, and in a short time it will be fit for cutting. It gives a pungent relish to Lettuce and other salad plants. A fresh lot should be sown every week, as it matures very rapidly and is useful only when young. In olden times it was quite a fancy with the children, and some older people to sow Cress so as to form a name or design, which it will soon do, as it is of quick growth.

**Cress, Fine Curled, superior;** will bear cutting several times. Per lb. 50 cents; oz. 10 cents, 1/2 oz. . . . . 5

**Broad-Leaved Garden,** sometimes used for soups. Per lb. 50 cents; oz. 10 cents; 1/2 oz. . . . . 5

**Australian,** leaves delicate green, flavor mild and fine; per lb. 80 cents; oz. 10 cents; 1/2 oz. . . . . 5

**Water,** does well in moist situations, but better on the edges of streams in shallow water. Per lb. \$4.00; oz. 40 cents; 1/2 oz. 25 cents; pkt 10

## CORN SALAD. Ufersalat.

A favorite salad plant in Europe. Sown in August, and protected with a few leaves during winter, it can be gathered very early in spring. Sown in April, it is soon fit for use. The leaves are sometimes boiled and served as Spinach.

Corn Salad, per lb. 60 cts.; oz. 10 cts.; 1/2 oz. . . . . 5



CORN SALAD.

## CHICORY. Chicorie.

Sow Chicory seed in the spring, in drills half an inch deep, and in good mellow soil; the after culture is the same as for Carrots. In the autumn the plants will be ready for blanching, when it is used as a salad.

**Chicory, Large Rooted Long Magdeburg.** Per lb 80 cents; oz. 10 cents; 1/2 oz. . . . . 5

## COLLARDS. Gollards.

**Collards, well-known and prized at the South, and nicely adapted to the Southern climate.** Per lb. \$1.00, oz, 10 cents; 1/2 oz. . . . . 5

## CHIVES. Schnittlauch.

Chives are small and not very important members of the Onion tribe, quite hardy everywhere. The leaves are slender, and appear very early in the spring, and may be shorn several times during the season. They are propagated by division of the root. Chives make the very best border for beds in the vegetable garden, and are not only ornamental, bearing pink flowers and a mass of green leaves, but equal to the Onion for flavoring soups and salads.

Roots, per bunch . . . . . 20

We pay the Postage or Express charges, except when noted.

# SWEET CORN. Enf. Korn.

Below we give the earliest, medium and latest varieties of Sweet Corn. Sweet Corn should not be planted very early in the season, for it will not make any progress until the weather is warm and will be very likely to rot. It will decay in places where our common field corn will grow, and the sweeter and purer the less hardship it will bear. Always select a warm soil for Sweet Corn, if possible, especially for the early varieties, as the difference in soil and exposure will make at least a week's difference in the time of maturity, besides insuring a crop. We have taken the greatest pains to secure choice Sweet Corn.

**Corn, Vick's Earliest of All.** This is in fact the "earliest of all;" very excellent, tender and sweet. Introduced in 1893, it pleased the limited number who were able to get it. Similar in appearance to the Cory, but is superior in quality, ripening a week to ten days earlier. Per quart 40 cents; pint 25 cents; ½ pint . . . . . 15

**Extra Early Cory.** Well known Extra Early sort, closely resembling Earliest of All. To market gardeners this variety is of great value, as the first Sweet Corn will bring two or three times the price it commands when the supply becomes general. Per quart 35 cents; pint, 20 cents; ½ pint . . . . . 10

**Extra Early Cory, White Cob.** Same as Red Cob Cory, except cob is white. Per quart 35 cents; pint 20 cents; ½ pint . . . . . 10

**Kendel's Early.** This new variety is without doubt the largest Early Sweet Corn yet introduced. It comes in soon after the Cory. Ears eight to ten inches long and white, with kernels broad white, 10 to 18 rows on each cob, sweet, running well to the tip, and of excellent flavor. Stalks short, bearing close planting, throwing whole strength into the ears, of which there are often two on one stalk, making it enormously productive. Sells from 8 to 10 cents per dozen more than any other variety. Per quart 40cts.; pint 25 cts.; ½ pint . . . . . 15

**New Columbus.** A second early of great merit. Very many ears nine inches in length, the tips being entirely filled out with good corn, from 12 to 16 rows of large deep and exceedingly sweet kernels. A very prolific sort. Stalks 6 to 7 feet.

A grand successor to Kendel's Early. Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10

**Early Minnesota.** One of the best early varieties; rather dwarf, ears fine and of good quality. Per quart 35 cents; pint 20 cents; ½ pint . . . . . 10

**Russell's Prolific.** A superior early variety, the sweetest of the early sorts. Ears eight to ten inches in length. Per quart 35 cts; pint 20 cts; ½ pint . . . . . 10

**Perry's Hybrid Sugar.** Largest Early Sweet Corn. Ears ready for use a few days later than Early Cory, and before Minnesota, but double the size of either; ears twelve-rowed; kernels large, tender and deliciously sweet; stalks of great vigor, about six feet high, with two perfect ears to a stalk. Per quart 35 cts; pint 20 cts.; ½ pint . . . . . 10

**Crosby's Early.** Excellent, remarkably early and of best flavor. Ears medium size; twelve rowed, grains sweet and thick. Largely grown for canning. Per quart 35c; pint 20c.; ½ pint . . . . . 10

*All Seeds listed in this Catalogue delivered free of postage or expressage, save when noted.*

**Corn, Country Gentleman.** A remarkably delicious corn for family use. The cob is small, and the corn white and tender. This variety is the best yet secured in Sweet Corn. The ears from which we offer seed are good-sized and produced in great abundance, many stalks bearing four plump ears. Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10

**Stowell's Evergreen.** Late; very select and pure; excellent variety, remaining in green state longer than any other kind. Per quart 35 cents; pint 20 cents; ½ pint . . . . . 10

**OTHER STANDARD VARIETIES.**

- Egyptian, or Washington Market.
- Early Eight-Rowed Sugar.
- Extra Early Adams. Moore's Early Concord.
- Excelsior. Black Mexican.
- Mammoth Late Sugar. Hickok's Improved.

Each 35 cents per quart; 20 cents per pint; 1-2 pint 10 cents.

**HARVEY'S EARLY.**

This is a grand, new and valuable mammoth early variety. It is fully as early as Kendel's Early; same in size and form, but far sweeter. In our field trials the Harvey produced one third more marketable ears. It will prove a money maker for the market gardener everywhere. Our stock is somewhat limited, but wishing all to make a trial of this grand variety, we offer it this season in small quantities only.

Per pint, 35 cents; ½ pint, 15 cents; ¼ pint, 10 cents.

See FIELD CORN. Page 99.

**POP CORN.**

Winter evenings bring people together for sociability, and a grand corn pop, with its fun breaks the ice and conduces to general merriment. Why not raise some Pop Corn? It pops best when more than one year old.

Pop Corn, White Rice, best white. Per quart shelled corn 35 cents; pint, 20 cents; ½ pint . . . . . 10



VICK'S EARLIEST OF ALL



PERRY'S HYBRID SUGAR.

HARVEY'S EARLY.

# CUCUMBER.

## Curcu.

early crop of the best kinds is to dig a hole about 18 inches deep and three feet across; into this put a barrow of manure, and cover with a small box-like frame, on the top of which place a couple of lights of glass; these places can be prepared about five or six feet apart. Keep the earth drawn up to the stems. Water and give air. As long as fruit for the table is desired do not allow them to go to seed, as this impairs the fruiting of the vine. Two specimens allowed to form seed will do more harm than two dozen for the table or pickling. Some of the smaller kinds are usually preferred for pickling, but Long Green is excellent for this purpose when young, and some pickling houses use White Spine exclusively.

The FOREIGN VARIETIES are of fine quality and of wonderful size, two feet or more in length, but they require a hot-bed to help them along until the weather is warm. In Europe they are grown in glass houses.

### AMERICAN VARIETIES.

#### Cucumber, Improved Early White Spine.

An excellent variety for table and the best for pickling; very pretty and a great bearer; a favorite with market growers.

Pound 75 cents; ounce 10 cents; 1/2 oz. 5

**Chicago Pickling.** A new variety, exclusively used by the Chicago picklers; very prolific and a profitable sort for this purpose; pound 60 cents; ounce 10 cents; 1/2 oz. 5

**Improved Long Green.** Very fine long fruit of excellent quality; lb. 60 cents; ounce 10 cents;

1/2 ounce . . . . . 5

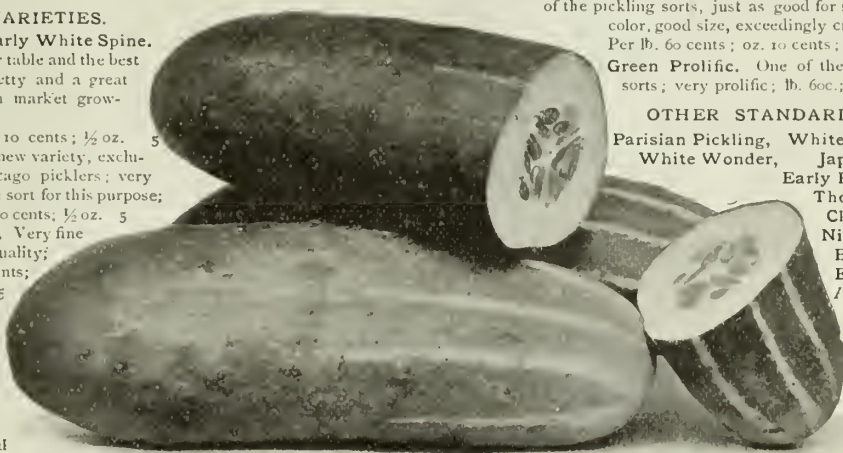
#### Vick's Early Chinese.

This variety of Cucumber we secured from China and have grown and tested it with other varieties on our trial grounds with good satisfaction. It has proved to be two weeks earlier than other varieties, splendid quality,

from one to two feet long. Color light green, turning to creamy white when ripe. Its extreme earliness and fine quality place it at the head of the list of Cucumbers. It can be used on the table from the time it is a few inches long till it ripens. Every lover of this vegetable should try this seed; 1/2 ounce . . . . . 10

**Extra Early Long Green.** This new strain of Long Green is claimed to be as early as the White Spine. The earliness combined with size makes, it quite desirable for the market gardener.

Per lb. \$1.00; oz. 10 cents; 1/2 oz. . . . . 5



IMPROVED EARLY WHITE SPINE.

for forcing, so that a supply can be furnished during the winter months, at which time the prices are very remunerative. Full cultural directions accompany each package.

**Cucumber, Rollison's Telegraph.** The very best of all imported Pkt. sorts, 26 to 30 inches long; per packet . . . . . 15

**Long Green Southgate.** Fine, old, hardy, English sort. Per oz. 25 c. 10

**Giant of Arnstadt.** One of the finest; two feet long, very productive 20

**Noa's Forcing.** Most productive sort, thirty to thirty-six inches long 15

**Berlin Eel.** Long, thick, green sort, good for forcing or open ground . 20

**Swan-Neck.** Extra fine, thirty inches long. Fine for house and frame culture; very prolific; keeps in bearing a long time . . . . . 20

**Cucumber, Cool and Crisp.** One of the very earliest and most prolific of the pickling sorts, just as good for slicing, dark green in color, good size, exceedingly crisp and tender.

Per lb. 60 cents; oz. 10 cents; 1/2 oz. . . . . 5

**Green Prolific.** One of the best of the pickling sorts; very prolific; lb. 60c.; oz. 10 cents; 1/2 oz. 5

### OTHER STANDARD VARIETIES.

Parisian Pickling, White Pearl, Early Frame, White Wonder, Japanese Climbing.

Early Russian, Giant Pera, Thorburn's Everbearing, Cleveland Pickling, Nichols Medium Green, Boston Pickling, Early Green Cluster.

Per pound, 60 cents;

ounce, 10 cents;

1-2 ounce, 5 cents.

### FOREIGN VARIETIES.

The following varieties are for growing in hotbeds or houses particularly constructed

## EGG PLANT. Eierpflanze.

A tender plant requiring starting in the hot-bed early to mature its fruit in the northern states. Seed may be sown with Tomato seed; but more care is necessary at transplanting to prevent plants being chilled by the change. Those who have no hotbeds can sow a few seeds in boxes in the house. Hand glasses are useful for covering at time of transplanting.

**Egg Plant, Early Long Purple,** 8 or 9 inches long; productive.

Per lb. \$1.75; ounce 20 cents; packet . . . . . 5

**Round Purple,** medium size; lb. \$2.50, ounce 25 cents; packet . . . . . 5

**Improved New York Purple, Spineless,** very large and fine, the best;

lb. \$3.50; ounce 35 cents; half ounce 20 cents; packet . . . . . 10

**Black Pekin,** ounce 35 cents; half ounce 20 cents; packet . . . . . 10

## ENDIVE. Endivie.

Endive is an excellent autumn and winter salad. Sow seed late in the spring, or even as late as July, in shallow drills, and when plants are strong, thin out to about a foot apart.

**Endive, Moss Curled,** lb. \$1.50; oz. 15 cents; packet . . . . . 5

**Green Curled,** lb. \$1.50; oz. 15 cents; packet . . . . . 5

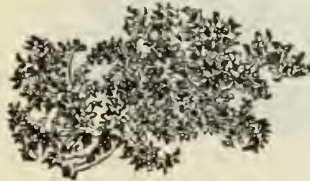
**White Curled,** lb. \$1.60; oz. 20 cents; packet . . . . . 5

**Batavian,** pound \$1.50; ounce 15 cents; packet . . . . . 5

## GARLIC. Knoblauch.

Most pungent of the Onion family. The roots or bulb is composed of many small bulbs, called "cloves," which are planted in the spring six or eight inches apart; in August the tops will die, when the bulbs are ready to gather. They do best in a light, rich soil.

Garlic, per pound. . . . . 40



ENDIVE.

## GHERKIN. Gherichte.

The Gherkin is not a Cucumber proper, but a little, rough, prickly fruit that grows on a pretty vine, with leaves something like a Watermelon. It is liked for pickling, and is known as the West Indian Gherkin. What dealers call Gherkins are only small cucumbers.

**Gherkin, true West India,** lb. \$1.00; ounce 15 cents; packet . . . . . 5

## HORSE RADISH. Meerrettig.

The best way to grow Horse Radish is from the little roots four or five inches long, and not from the crowns. These roots will produce Radish fit for use in one season's growth; set small end down, where the slanting cut is, and so that the cut will be two inches under the soil. It can remain in the ground till late in the autumn, and be pitted, or a portion can remain in the ground until spring. Roots, per 100, 90 cents; per dozen . . . . . 25

## KOHL RABI. Kohlrabi.

Kohl Rabi is sown for general crop in the spring, like the Turnip, in drills; or may be transplanted like Cabbage. For winter table use sow middle of June. The stem, just above the surface of the ground, swells into a bulb something like a Turnip. It is cooked like the Turnip, and is highly prized for stock, as a substitute for Turnips; will bear drought better, and thus a crop is more certain.

**Kohl Rabi, Early White Vienna,** delicate, much prized for forcing.

Per lb. \$2.00; ounce 20 cents; packet . . . . . 5

**Early Purple Vienna,** another forcing variety, similar to above except in color

Per lb. \$2.00; ounce 20 cents; packet . . . . . 5

**Large Early White or Green,** fine and tender for table; lb. \$2.00; oz. 20 c; pkt. 5

## LEEK. Lauch.

Seed is generally sown in the spring in a seed bed, and young plants transplanted July 1st. The Leek is prized for soups, and is thought for this purpose to be superior to the Onion.

**Leek, Broad Flag,** per lb. \$1.25; oz. 10c; 1/2 oz. 5

**Musselburg,** per lb. \$1.50; oz. 15c; 1/2 oz. 5



# LETTUCE.

## Ross Salat.

Lettuce is divided into classes; the Cabbage, with round head and broad, spreading leaves; and the Cos, with long head and erect, narrow leaves. The Cabbage varieties are the most tender and buttery, and the Cos, the most crisp and refreshing. The Cabbage form has a subdivision called Curled, from the form of the leaves. There are several varieties, with loose, curled leaves, having the habit of the Cabbage, though not forming solid heads, that are very pretty for garnishing, and considered by many the best in all respects. Sow in the open ground as early as possible; or, if you have plants from fall sowing, transplant them to a rich soil, giving plenty of room, and hoe well. If the hot bed is used, let it be started quite early. Give but little heat and plenty of water and air on fine days. Sow a couple of rows thick, in the front of the frame, to be used when young—say two inches in height. Let plants in the rest of the bed be about four inches apart. In a sunny country, like our own, Lettuce generally runs up to seed very early in the season, so that after the warm weather it is difficult to find a good head of Lettuce in most gardens. The remedy is to plant for late use in a cool, partially shaded place in a rich soil, and this should be supplemented by a free use of water.



CURLED LETTUCE.

**Lettuce, Imperial White Cabbage.** A fine variety; excellent for family use and market, as it withstands summer heat well, and remains a long time in the head before running to seed. Per lb. \$1.25; oz. 15 cts.; ¼ oz. . . . . 5

**Grand Rapids Forcing.** Quite as good for outdoor culture as other varieties. Large, beautiful leaves, very crisp and tender. From all parts of the country come enthusiastic praise from persons who have tested it. Twenty to thirty pounds have been raised from a common sash, and three crops taken off the ground. Frequently a house full of this Lettuce will average one half pound to a plant, and occasionally plants have weighed one and one-half pounds. It is excellent for shipping and will insure sales at sight. The soil cannot well be too rich. Per lb. \$1.25; oz. 15 cents; ¼ oz. . . . . 5

**Vick's Hero.** In color somewhat resembles the well known Prize Head Lettuce, being red stained. It is of large size, prettily fringed, large leaved, crisp and tender and of a most delicious flavor. Its peculiar erect habit is a marked feature, and although large in size and heavy in head it does not break down and become dirty from contact with the soil. In addition to its other good qualities it is the longest standing (slowest to go to seed) lettuce we have ever seen. Per lb. \$1.50; oz. 20 cents; packet . . . . . 5

**Vick's Royal (new).** A fine new variety largely used in the Paris markets. The seed we offer comes direct from the originator. It produces a medium sized head of a beautiful golden color, crisp and tender; a grand acquisition. Per lb. \$2.00; oz. 25 cents; packet . . . . . 5

**Golden Queen.** An excellent forcing and garden variety, tender crisp and juicy; forms a medium sized head with little or no waste, and shows a beautiful golden yellow color. Per lb. \$1.50; oz. 15 cents; ¼ oz. . . . . 5

**Early Tennis Ball, or Boston Market,** one of the earliest and best heading varieties. Per lb. \$1.00; oz. 10 cents; ¼ oz. . . . . 5

**Black Seeded Simpson,** produces a compact mass of large, thin, tender, golden-yellow leaves; good for forcing or outdoor use. It stands summer heat well. Per lb. \$1.25; oz. 15 cents; ¼ oz. . . . . 5

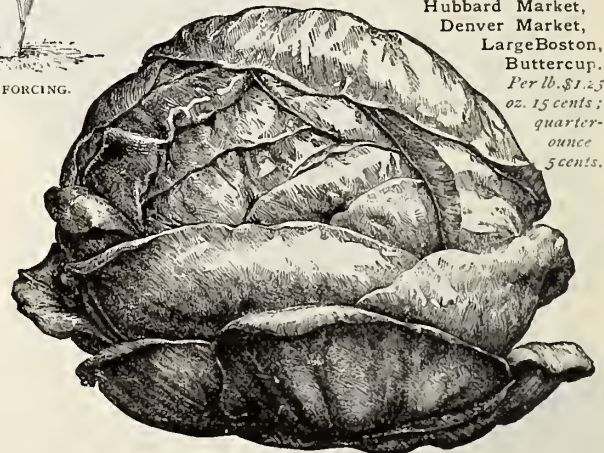
**Early Curled Simpson,** an improvement on the curled Silesian; very early; fine for forcing. Per lb. \$1.00; ounce 10 cents; ¼ oz. . . . . 5

**Improved Early Hanson,** heads very large, solid, tender, crisp; flavor fine; stands summer heat well; one of the best sorts. Per lb. \$1.00; oz. 10 cents; ¼ ounce . . . . . 5

**Early Prize Head,** is very large; stained with red; outer leaves curled; very crisp and tender; slow in running to seed. Per lb. \$1.00; oz. 10 cents; ¼ ounce . . . . . 5



GRAND RAPIDS FORCING.



IMPERIAL WHITE CABBAGE LETTUCE.

**Lettuce, New Premium Cabbage.** The best variety we have ever grown; good solid head, keeping in good condition without going to seed longer than any other variety; excellent for all uses and seasons. Per lb. \$1.50; oz. 20 cents; ¼ ounce . . . . . 5

## California Cream Butter.

Heads large, round and of a beautiful appearance. The outer leaves are medium green, marked with small brown spots; inner leaves of a rich cream color. Medium early and makes a good sort for summer use. Quality very good, rich buttery flavor. Pound \$1.25; oz. 15 cents; ¼ ounce . . . . . 5

## Thick Head Yellow.

A grand variety, producing very large heads, almost as solid as cabbage. Leaves slightly crimped, of a beautiful greenish-yellow.

For tenderness it is unsurpassed. As a long standing sort it stands at the head.

Per lb. \$1.25; oz. 15 cents; ¼ ounce . . . . . 5

## Salamander or Satisfaction.

Fine compact heads which resist the summer heat admirably. Thick, smooth tender leaves.

Remains a long time in head before going to seed.

Per lb. \$1.25; oz. 15 cents; ¼ ounce . . . . . 5

**Hardy Green Winter.** An excellent variety imported from Germany. Per lb. \$1.50; oz. 20 cts.; ¼ oz. . . . . 5

**Paris White Cos,** one of the best of the Cos varieties. Per lb. \$1.25; oz. 15 cents; ¼ ounce . . . . . 5

Hubbard Market,  
Denver Market,  
Large Boston,  
Buttercup.  
Per lb. \$1.25  
oz. 15 cents;  
quarter-  
ounce  
5 cents.



COLE'S EARLY.

## WATER MELON. *Wafler-Melonen.*

No suggestions are necessary to induce people to raise this cooling, delightful summer favorite. At home or in the field it is always acceptable, and many times takes the place of water in quenching thirst. The plants require a rich though sandy soil to bring the best product. In the South they grow to perfection, and in the North, when planted in warm soil and sheltered from strong winds, fine and profitable crops are obtained. Hills 8 to 10 feet apart. The Melon, being of tropical origin, reaches perfection only in a warm temperature. In this latitude it must have every possible advantage to secure earliness and thorough ripening. The same culture as recommended for Cucumbers will insure success. The Melon will grow and ripen well in a warm, sandy, poor soil, but when grown in such a situation the hill must be thoroughly enriched with plenty of available food for the roots.

**Water Melon, Cole's Early.** This is a leader in Water Melons. It is not only the earliest variety in cultivation but continues to bear enormously throughout the entire season. Medium size, nearly round; very hardy and a sure cropper. The flesh is a deep red; sweet, juicy and delicious. Per lb. 50 cents; ounce 10 cents; ½ ounce . . . . . 5

**Sweet Heart.** A new variety of largest size, nearly globular in shape, skin a bright beautiful mottled green. Flesh bright red, firm and heavy but crisp, melting and exceedingly sweet. A good keeper and improves in quality for a long time after ripening. Per lb. 50 cts.; oz. 10 cts.; ½ oz. 5

**The New Dixie,** compared with Kolb's Gem, is larger, earlier, more productive, and a better shipper. It is beautifully striped, very juicy and tender, averaging six to eight large Melons to a vine. We advise our friends to give it a trial; per pound 50 cts.; oz. 10 cts.; ½ oz. . . . 5

**Florida Favorite,** a fine variety, size medium; shape oblong; rind with dark and light green stripes alternating; flesh bright crimson, very crisp and deliciously sweet. Ripens earlier than Kolb's Gem, Mammoth Iron Clad, or Rattlesnake; per pound 50 cents; ounce 10 cents; ½ ounce . 5

**Seminole.** An extra early variety of large size and delicious flavor. Flesh a vivid crimson color, crisp and sugary, oblong in shape; exceedingly productive. Per lb. 50 cents; per oz. 10 cents; ½ oz. . . . . 5

**Pride of Georgia.** A dark green skin, oval, large size. Flesh deep red, crisp and sweet, a splendid shipping melon. Per lb. 50 cents; ounce 10 cents; ½ ounce . . . . . 5

**Vick's Early,** oblong, smooth, rather small, flesh bright pink, solid, sweet, one of the earliest. Per lb. 50 cts.; oz. 10 cts.; ½ oz. . . . . 5

**Water Melon, Ice Cream, or Peerless,** is a first-class melon; flesh pink, sweet and melting; white seed; per pound 50 cts.; ounce 10 cts.; ½ oz. . 5

**Mammoth Iron Clad,** so named on account of the hardness and tenacity of its shell, and immense size. Specimen melons have been found to weigh seventy pounds; flesh firm and of fine flavor. Per pound 50 cents; ounce 10 cents; ½ ounce . . . . . 5

**Prize Jumbo.** Immense in size, from 40 to 60 pounds is a common weight. Round; color green with faint light stripes; flesh deep red, sweet and delicious; good shipping Melon; per pound 50 cts.; oz. 10 cts.; ½ oz. 5

**Jordan's Gray Monarch.** One of the largest oblong, round and mottled gray, flesh deep red and delicious flavor. Per pound 50 cents; ounce 10 cents; ½ ounce . . . . . 5

**Kolb's Gem,** a Southern variety, and very popular on account of its large size, immense yield, and good shipping qualities; flavor excellent. Per pound 50 cents; ounce 10 cents; ½ ounce . . . . . 5

**Citron,** for preserves; flesh white, solid; per lb. 50 cts.; oz. 10 cts.; ½ oz. 5

### OTHER STANDARD VARIETIES.

<b>Black Spanish.</b>	<b>Green and Gold.</b>	<b>Orange.</b>
<b>Cuban Queen.</b>	<b>Hungarian Honey.</b>	<b>Phinney's Early.</b>
<b>Dark Icing.</b>	<b>Jones.</b>	<b>Scaly Bark.</b>
<b>Fordhook.</b>	<b>Mountain Sprout.</b>	<b>The Boss.</b>
<b>Georgia Rattlesnake.</b>	<b>Mountain Sweet.</b>	<b>Volga.</b>
	<b>White Gem.</b>	

Each 50 cents per pound; 10 cents per ounce; 5 cents per ½ ounce.

# MUSK MELONS. *Mustal Melonen.*

For directions for cultivation, see Water Melon and Cucumbers.



IRONDEQUOIT.

## Musk Melon, Vick's Prolific

**Nutmeg.** We have yet to find a Musk Melon more satisfactory than the "Prolific Nutmeg". In these three most important characteristics, viz. EARLINESS, QUALITY, PRODUCTIVENESS, it stands at the head of the list.  
Per lb. \$1.00; oz. 10 cents; ½ ounce . . . . . 5

**Vick's Irondequoit.** This variety still leads in all respects. The yellow fleshed varieties have hitherto lacked in flavor, but the "Irondequoit" possesses this quality to a high degree—equal to the best of the green-fleshed varieties. Flesh thick, orange-yellow in color, melting, juicy, nectar like. The vine is a strong grower and very productive. Fruit is large—twelve to fifteen inches in diameter, round, ribbed, of light grayish color, with a prominent net-work over the surface. A splendid melon. Per lb. \$1.00; oz. 20 cents; ½ ounce . . . . . 10

**Golden Netted Gem.** An early, small, and very prolific variety, recently introduced, and quite popular with the melon growers of New Jersey. Per lb. 60 cents; oz. 10 cents; ½ ounce . . . . . 5

**Grand Rapids Early Market.** Claimed to be the earliest Musk Melon in the market and a large one at that. Flesh pure yellow, delicious flavor, skin finely netted, vigorous grower, crop ripens uniformly. Stands long distance shipping. Per lb. 60 cents; oz. 10; ½ ounce . . . . . 5

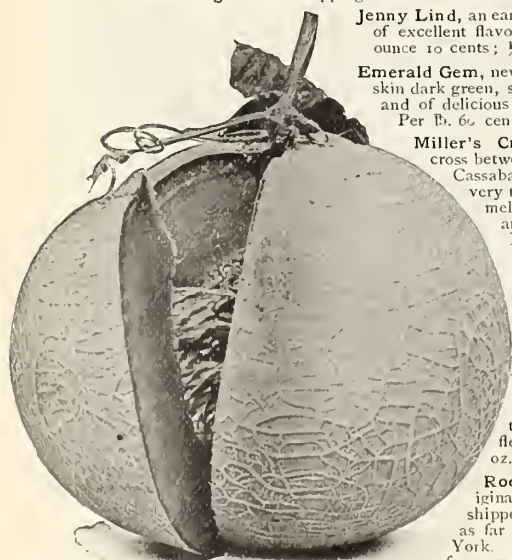
**Jenny Lind,** an early variety; small, but of excellent flavor. Per lb. 60 cents; ounce 10 cents; ½ ounce . . . . . 5

**Emerald Gem,** new, small, extra early, skin dark green, smooth; flesh orange and of delicious flavor.  
Per lb. 60 cents; oz. 10 cents ½ oz. . . . . 5

**Miller's Cream, or Osage,** a cross between Sill's Hybrid and Cassaba; flesh salmon color, very thick, sweet, rich and melting. Strong grower and very productive.  
Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5

**Extra Early Hackensack,** a new strain of the Hackensack melon, and at least ten days earlier. Weight of Melons from 4 to 10 pounds each, and they are heavily netted; have light green flesh. Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5

**Rocky Ford, (new),** originating in Colorado, and shipped in carloads, even as far as Boston and New York. Handsome, globular form, small size, richest flavor.  
Per pound \$1.00; ounce 20 cents; ½ ounce . . . . . 10



BLENHHEIM ORANGE.

**Musk Melons, Champion Market,** shape almost round, deeply ribbed; skin heavily netted; flesh light green, rich and sweet; an excellent shipping variety. Per lb. 60 cents; ounce 10 cents; ½ ounce . . . . . 5

**Montreal Nutmeg.** Fruit of the largest size, often attaining a weight of fifteen to twenty pounds; shape nearly round, flattened at the ends, deeply ribbed; flesh remarkably thick, green, melting, and of the finest flavor. Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5

## OTHER STANDARD VARIETIES.

**Green Citron, Large Hackensack, Surprise, Cosmopolitan, Early Christiana, White Japan, Skillman's Fine, Netted, Casaba, or Persian, Bay View, Delmonico, Tip Top, Banquet, Princess, Improved Large Green Nutmeg, Columbus, Jersey Belle, Long Yellow Cantaloupe, Melrose.**  
Each 60 cents per lb.; 10 cents oz.; 5 cents ½ oz.

## FORCING MELONS.

These varieties are the finest flavored and best forcing melons in cultivation. The past season the greenhouse of Mr. Sibley, of Rochester, presented a beautiful sight, filled to overflowing with handsome fruit. We also had fine specimens from our own grounds. Will do well in greenhouses, conservatories or in open ground. Full directions for culture on each packet.

**Forcing Melon, Blenheim Orange,** round as a cannon ball, deeply and handsomely netted and wonderfully prolific; flesh scarlet; packet 25

**Earl's Favorite,** shape same as Blenheim; not so heavily netted and a lighter color; flesh green; packet . . . . . 25

## MUSHROOMS.

Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at 50° to 60°. From old pastures procure the soil, and store it away. To one bushel of this soil add two bushels of fresh horse manure. Of this well-mixed compound prepare a bed, say four feet in width. Put down a thin layer and pound it down hard, and go on until you have a bed eight inches thick. It will soon become pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover the bed with two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, and cover with hay as before. Success is not always certain with the amateur, and is usually to be attained only after more or less experience. One pound of spawn is enough for a bed 2x6 feet.

**Mushroom Spawn, English,** One pound, by mail, 25 cts.; Eight pounds, by express, not paid, \$1.00.

## MUSTARD.

Very hardy; seed can be sown as soon as the soil is free from frost in shallow drills; cut when a few inches high. It grows rapidly, and several sowings may be made. The young leaves are used for spring salad.

**Mustard, white,** best for salad or culinary purposes; per lb. 30 cents; ½ lb. 20 cents; ¼ lb 15 cents; per oz. 10 cents; ½ ounce . . . . . 5

**Giant Southern Curled.** Per lb. 75 cents; oz. 10 cents; ½ ounce . . . . . 5

**Ostrich Plume (new).** Leaves long, crimped, ruffled and frilled, hence its name. Better for eating than any other and pretty enough for a table ornament. Per lb. \$1.50; ounce 20 cents; ½ ounce . . . . . 10

# ONIONS.

## Zwiebeln.

The Onion must have a clean and very rich soil. Use well rotted manure freely, and get the seed in as early as possible in the spring, no matter if it is cold and unpleasant. If Onions do not get a good growth before hot, dry weather, the crop is sure to be a failure. Keep the soil mellow and clear of weeds. Sow in shallow drills, not less than a foot apart. As Onions grow on the top of the ground, they may be allowed to remain pretty thick, no matter if they crowd each other. In hoeing to destroy weeds and keep the ground mellow, do not cover the young bulbs with earth. Four pounds of seed is required for an acre. In cold or mucky soils, where the Danvers or Wethersfield varieties will not form bulbs, the Early Red should be tried, and will often succeed while others fail. It is an excellent variety and a good keeper. The ITALIAN ONIONS are of a sweet, mild flavor, and grow very large, often from one to four pounds. It has been found difficult to grow Onions from seed in the South, while from SETS good crops are grown, and quite early. These sets are little Onions, grown the previous year, and taken up when as large as Peas. Set out in the spring they soon form large Onions. There are two other kinds of Onions that are not grown from seed, the POTATO and TOP ONIONS. The POTATO Onion grows in clusters, under ground; bulbs are planted in spring, and produce large Onions; the large Onions are planted then next spring and produce the clusters. The TOP Onion produces small clusters at the top of the stem; the small Onions are planted in the following spring, and the result is full grown Onions, and these large ones, with one year's growth, produce the clusters on the top for seed. It is useless to try to grow Onions on a poor unsuitable soil. Three days of neglect when the weeds are growing rapidly will sometimes ruin a crop, and a week too late in sowing makes the difference between a good and bad harvest. With proper manuring Onions can be grown on the same land for a score of years, and it will become cleaner and better every year.

**Dawver's Yellow Globe, Vick's Home Grown Strain.** This we raise on our own farm under the most favorable circumstances and from carefully selected seed. It is sorted, planted, cultivated and harvested by our skilled labor. It stands at the head and is the finest and best in the world without exception, when uniformity in shape and beauty of bulbs are considered.

Per lb. \$1.50; oz. 20 cents; ¼ ounce 5 cents.

James Vick's Sons:

I send you a little basket of your Yellow Globe Onions, a sample of what I raised this year. Best seed I ever had; got 700 bushels per acre.

Next spring you will receive an order for all my seed. I will want a large order.

Lineville, Pa., Oct. 3d, 1898.

Yours truly,

*S. J. Bullis*

## Vick's Pacific Grown Strain

Grown especially for our trade by one of the leading California growers. Perfect in shape and color, and the same strain as sold by most seedsmen as the best stock. Per lb. \$1.10; oz. 15 cts.

**Onion, Large Yellow Dutch or Strasburg,** a fine, large, flat Onion; forms bulbs readily. Per lb. \$1.25; oz. 15 cts.; ¼ oz. 5

**Mammoth Prize Taker or Spanish Yellow Globe.** A bright straw color, thin skinned, and of immense size; makes a handsome appearance in the market. Per lb. \$1.50; oz. 20 cts.; ¼ oz. 5

**Wethersfield Red,** the standard red variety for general crop; of good size; red, flattish, productive, and a good keeper. Per lb. \$1.10; oz. 15 cts.; ¼ oz. 5

**Southport Red Globe.** Our own home grown seed. This is the finest strain of Red Globe Onion ever produced. It is used exclusively in many sections for growing the exceedingly fine large bulbs seen in the New York City markets. A splendid keeper and of superior quality. Per lb. \$2.75; oz. 30 cts.; packet 5

**Southport Early Red Globe.** The Massachusetts introducer of this strain says: "It is so early it can be planted with safety wherever the Danvers will mature. It differs from the Standard Red Globe in being much rounder. Hardly as good keeper as the Red Globe, it is excellent for fall and winter use. Per lb. \$2.25; oz. 20 cents; ¼ oz. 5

**Extra Early Flat Red,** earliest of all American varieties, good keeper. Per lb. \$1.25; oz. 15 cents; ¼ oz. 5

**White Globe,** a handsome globe shaped white Onion; flesh firm, fine grained and mild flavor. Per lb. \$2.75; oz. 30 cents; ¼ oz. 10

**American Silver-Skinned,** a large flat white Onion of exceedingly mild flavor much esteemed for pickling and fine for early use. A good keeper. Per lb. \$2.75; oz. 30 cents; ¼ oz. 10

## ITALIAN ONIONS.

The following Italian varieties have been used for years in this country and have given perfect satisfaction. The flavor of the Italian sorts is mild and well adapted for all culinary purposes. Seed should be sown thicker than that of the American sorts.

**Onion, New Giant Rocca, of Naples,** a large Onion, of glohular shape and light brown skin, sometimes weighing 3 pounds or more. Per lb. \$2.00; oz. 20 cents; ¼ oz. 5

**Large Blood Red Italian Tripoli,** more flat than the preceding, quite as large, and blood red. Per lb. \$2.00; oz. 20 cents; ¼ oz. 5

**Mammoth White Garganus, or Silver King.** The largest of the Italian varieties; flat, silvery-white, mild and fine. Per lb. \$2.00; oz. 20 cents; ¼ oz. 5

**Large White Flat Italian Tripoli,** pure white skin, flat, mild flavor, large as Giant Rocca; lb. \$2.00; oz. 20c.; ¼ oz. 5

**Early Flat White Italian Tripoli,** white skin; mild, of rapid growth, early. Per lb. \$2.00; oz. 20 cents; ¼ oz. 5

**Marzajola,** white, small, very early, and a good keeper. Per lb. \$2.00; oz. 20 cents; ¼ oz. 5

**New Queen,** white skin, fine flavor, very small; the earliest grown; particularly valuable for pickles. Per lb. \$2.00; oz. 20 cts.; ¼ oz. 5



Notice the New Departure in the sale of Vegetable seeds. See page 79.

DANVERS YELLOW GLOBE.

## ONION SETS.

Prices of sets are based on present market rates. Should fluctuations occur later in the season, we shall be obliged to vary prices on bushels and pecks in accordance with the market. The quart price will remain unchanged.

**English Multipliers, or Potato Onions,** bushel \$3.00; peck \$1.00; quart 25

**Yellow Bottom Sets,** per bushel \$3.00; peck \$1.00; quart . . . . . 25

**White Bottom Sets,** per bushel \$3.50; peck \$1.25; quart . . . . . 30

## EGYPTIAN, or PERENNIAL TREE ONION SETS.

When once set out they will come up year after year as soon as frost is over. They need no protection; grow rapidly, and are very productive. Bushel \$3.00; peck \$1.00; quart 25 cents.

At quart prices we prepay postage. Bushel and Peck delivered at freight or express office, Rochester.

## OKRA. *Sotter*

A large, vigorous plant, requiring a good deal of room; large kind should be planted not less than three feet apart, and the dwarf about eighteen inches. In mild climates sow the seed in the open ground; have the ground clean and mellow, as for a hill of corn.

**Okra, White Velvet, (White Creole).** Pods round, smooth, much larger than other sorts; produced in great profusion; per lb. 60 c.; oz. 10 c. 5

**Long Green,** long pale green, and ribbed; per pound 60 cents; oz. 10 cts. 5

**Dwarf Green,** earliest and best for the North; per lb. 60 cts.; oz. 10 cts. 5

# PEAS. Erbsen.

The Pea is very hardy, and will endure a great amount of cold, either in or above the ground; and as we all want "green peas" as soon as possible in the season, they should be put in as early as the soil can be got ready—the sooner the better. Of late years some very fine dwarf, sweet, wrinkled sorts, of very great merit, have been added to this class. If the earliest sorts are planted about the first of April, in this latitude, they will be fit to gather in June.

Sow Peas in drills not less than four inches deep, about a pint to forty feet. The drills must not be nearer than two feet, except for the lowest sorts. Those growing three feet high or more, should not be nearer than three or four feet, and should have brush for their support. It is well to sow the earliest Peas as soon as possible; in two or three weeks after make another sowing—a few more early, and some for late crop. The second sowing comes in nicely.

Peas, Daisy, Surprise, Early Morn and Gradus, see Novelty Pages. All peas postpaid at prices quoted as below.

## EXTRA EARLY.

**Peas, Vick's Extra Early**, the earliest of the early Peas; unsurpassed either for market or family use; of excellent quality; unusually productive for so early a variety. Vines two and one-half feet high.

Per quart 40 cents; pint, 20 cents; ½ pint . . . . . 10

**Alaska**, the earliest blue Pea; of good flavor and bearing pods of a dark green color which are well filled and ripen uniformly; one of the very best for market gardeners. Vines two and one-half feet high.

Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10

**Bliss' American Wonder**, is the earliest wrinkled Pea in cultivation, and a superior cropper, bearing larger pods than other early sorts, and having from six to nine large Peas in a pod; the vines are ten to twelve inches high, and of robust habit. Per quart 40 cts.; pint 20 cts.; ½ pint 10

**English Wonder**. Vines 12 to 15 inches in height. In season about same as Premium Gem. When fit to pull the pods and peas are a dark green color which is a strong point with all gardeners and truckers. It is extremely prolific. This pea is destined to become the leader for long-distance shipping, and will prove a bonanza for southern truckers. Per quart 50 cts.; pint 25 cts.; ½ pint . . . . . 15

**King of the Dwarfs**. In season follows closely Premium Gem, coming into market in the space intervening between the early and late varieties; on careful comparison, both as to number of pods and peas in the pod, with all of the principal dwarf varieties, we find outyields them all by 20 per cent., all planted at the same time, on the same soil, with equal cultivation. It is a cross between American Wonder and Little Gem; the most promising of forty different seedlings; vines 18 inches high. Per quart 50 cts.; pint 25 cts.; ½ pint . . . . . 15

**Not's Excelsior**. New extra early dwarf wrinkled sort; the peas are superior in sweetness and quality; vines are larger and more vigorous than American Wonder, fifteen inches high and very prolific. Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10

**Extra Early Premium Gem**. A great improvement over McLean's Little Gem; a fine dwarf green wrinkled variety, fifteen inches high. Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10



NOTT'S EXCELSIOR.

## SECOND EARLY PEAS.

**Peas, The Admiral**. A very heavy cropping green wrinkled Pea. Ripens with the Telephone and remains palatable longer than any other variety after it becomes large enough to use. Vines three to four feet high. Per quart 40 cents; pint 20 cts.; ½ pint . . . . . 10

**Bliss' Abundance**, a new and remarkably productive variety; plant about two feet in height; pods three inches long; peas large, wrinkled, of superior quality. Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10

**Charmer**, introduced by us in 1894; has exceptionally fine staying qualities; three to four feet high; large, long, scimitar-shaped pods, closely packed; highest quality and flavor; very productive; in season follows Little Gem. Green wrinkled. Per quart 40 cts.; pint 20 cts.; ½ pint . . . . . 10

**Telephone**. A new wrinkled variety; good cropper, bearing immense pods full of large Peas of exquisite flavor. Vines four feet. Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10

**Horsford's Market Garden**. A wrinkled variety of superior quality growing two feet high, very stocky; requires no brushing; extremely prolific, bearing pods in pairs. Per quart 40 cts.; pint 20 cts.; ½ pint . . . . . 10

**Bliss' Everbearing**, a late, wrinkled sort, about thirty inches high; very robust, bearing heavy crops of large, well-filled pods; peas of excellent flavor. Owing to the branching habit, the peas should be planted about six inches apart. Per quart 40 cts.; pint 20 cts.; ½ pint . . . . . 10

**McLean's Advancer**. A fine early market variety, exceedingly prolific, with pods of green wrinkled peas of fine flavor. It is also known in some localities as Dwarf Champion. Vines two to two and one-half feet high. Per quart, 40 cts.; pint 20 cts.; ½ pint . . . . . 10

**Heroine**. A medium early, green wrinkled Pea of recent introduction; large pods, fine quality, good cropper; two and one-half feet high. Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10

## LATE PEAS.

**Pride of the Market** is a strong grower; vines two feet high and immensely productive. Pods large and handsome, and the Peas of fine quality. Per quart 40 cents; per pint 20 cents; ½ pint . . . . . 10

**Yorkshire Hero**, a very fine, large dwarf wrinkled variety of good quality and productive; vines two and one-half feet high. Per quart 40 cents; pint 20 cents; ½ pint . . . . . 10

**Champion of England**. A standard variety, popular everywhere; one of the richest and best flavored green wrinkled Peas; five feet in height. Per quart 35 cents; pint 20 cents; ½ pint . . . . . 10

**Improved Stratagem**. A green wrinkled marrow producing numerous pods of large size, of excellent quality and a superior variety; vines two feet high. Per quart 40 cts.; pint 20 cts.; ½ pint . . . . . 10

**Melting Sugar**, an excellent variety of delicate flavor, four feet in height; edible pods. Per quart 40 cts.; pint 20 cts.; ½ pint . . . . . 10

**Large Black-Eyed Marrowfat**. Well-filled pods, four feet tall. Per quart 35 cents; pint 20 cents; ½ pint . . . . . 10

**Large White Marrowfat**. Like the Black-Eyed Marrowfat, extensively grown as a field crop; five feet tall. Per quart 35 cents; per pint 20 cents; ½ pint . . . . . 10

Field, for sowing broadcast. Price \$1.20 per bushel.



KING OF THE DWARFS.



**PARSLEY. Pterisfoli.**

Parsley seed germinates very slowly; it should be started in a bed if possible. For out-door sowing always prepare the seed by placing it in hot water to soak for twenty-four hours, in a warm place. When the plants are a few inches in height set them in rows three or four inches apart. Parsley lives through the winter, and seed may be sown in the autumn. Some of the Curled varieties are beautiful for garnishing, and handsome enough for bouquet green.

**Parsley "Beauty of the Parterre" or Emerald.** The most beautiful Parsley. Fine for lines and edgings in the flower garden, and exquisite for garnishing. Habit dwarf and spreading. Plants should be set eight inches apart. Per lb. \$1.00; oz. 15 cts.; packet . . . . . 5

**Champion Moss Curled.** Finely crimped and beautifully curled excellent for garnishing, per lb. 80 cts.; oz. 10 cts.; packet . . . . . 5

**Fern Leaved,** a beautiful mossy variety. Per lb. 75 cents; oz. 10 cents; packet . . . . . 5

**Giant Curled,** very large growth; finely curled. Per lb. 80 cts.; oz. 10 c.; pkt. . . . . 5

**Hamburg, or Turnip Rooted.** The roots are used for flavoring soups. Per lb. 60 cts.; oz. 10 cts.; packet . . . . . 5



**PARSNIPS. Pastinac.**

Sow seed early in spring in drills from twelve to fifteen inches apart, and about an inch deep. The roots may remain in the ground for spring use in the North; if needed for winter it may be dug and covered like potatoes. A light covering will answer. We consider the two varieties named below the best.

**Parsnip, Improved Guernsey.** Half long; roots not as long as Hollow Crown; are larger in diameter and more easily gathered; smooth, fine grained, most excellent quality; per lb. 50 cts.; oz. 10 cts.; 1/2 oz. . . . . 5

**Long Hollow Crown,** one of the very best parsnips grown, either for stock or the table; per lb. 50 cents; oz. 10 cents; 1/2 oz. . . . . 5

**PEPPER. Pfeffer.**

Sow the seeds early under glass, or in the open ground in warm weather; transplant when three inches high.

**Pepper, Ruby King,** a handsome and very productive variety; fruits from four to six inches long by three and a half to four inches broad. When ripe they are bright ruby red; remarkably mild and pleasant. Per lb. \$2.25; per ounce 25 cents; 1/2 ounce 15 cts.; packet . . . . . 5

**Golden Dawn,** resembles the Large Bell in shape, but more delicate flavor, color a rich golden yellow; per lb. \$2.25; ounce 25 cts.; 1/2 ounce 15 cts.; packet . . . . . 5

**Large Bell, or Bull Nose,** very large, nearly four inches long and three inches in diameter; glossy red; per lb. \$2.25; oz. 25 cents; 1/2 oz. 15 cts.; packet . . . . . 5

**Sweet Mountain, or Mammoth,** much like

the Large Bell, perhaps a little larger. Per lb. \$2.25; ounce 25 cents; 1/2 ounce 15 cents; packet . . . . . 5

**Long Red Cayenne,** beautiful and productive, four inches long, flesh thick and pungent; per lb. \$2.25, oz. 25 cts.; 1/2 oz. 15 cts.; packet . . . . . 5

**OTHER STANDARD VARIETIES.**

**Monstrous, or Grossum, Red Chili, Long Yellow, Cherry-formed, Red Cluster,**

Per lb. \$2.25; ounce 25 cents; 1-2 ounce 15 cents; packet 5 cents.



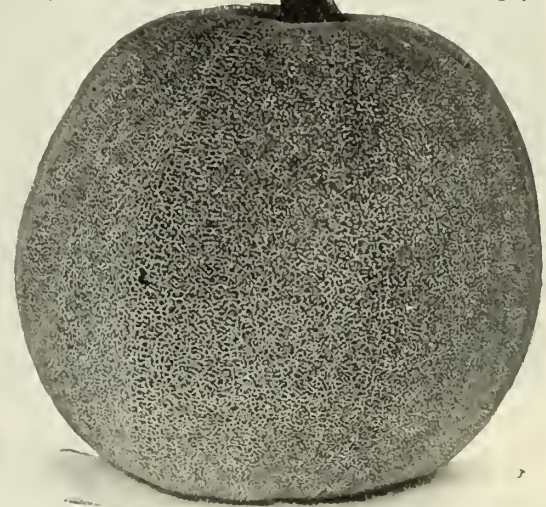
**PUMPKINS. Kürbis.**

**Pumpkin, Large Cheese,** flat, yellow fleshed, fine grained, productive; per lb. 50 cts.; oz. 10 cts.; 1/2 oz. . . . . 5

**Cushaw, or Sweet; keeps well, per lb. 65 c.; oz. 10 c.; 1/2 oz. . . . . 5**

**Sugar, small, but for table use; per lb. 60 cts.; fine grained and very sweet; fine oz. 10 cts.; 1/2 oz. . . . . 5**

**Winter Luxury, this, without doubt, is the finest pie pumpkin yet introduced; we cannot recommend it too highly for**



**WINTER LUXURY.**

this purpose. It is also a good keeper, wonderfully productive, while its finely netted and golden-russet color make it desirable for market use (see cut). Per lb. \$1.00, per oz. 10 cents; 1/2 oz. . . . . 5

**Golden Oblong,** in color a rich golden orange. Excelling in quality as a pie pumpkin. Is a good keeper and wonderfully prolific, bearing from twelve to fourteen good Pumpkins on one vine, per lb. 60 cts; oz. 10 cts.; 1/2 oz . . . . . 5

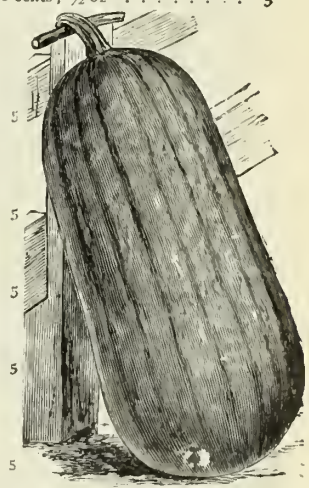
**Tennessee Sweet Potato,** pear-shaped, slightly ribbed, creamy white faintly striped with green; flesh fine grained, dry and of superior flavor. Per lb. 70 cts., oz. 10 cts.; 1/2 oz. . . . . 5

**Large Tours, or Mammoth,** grows to an immense size, often weighing over 100 pounds. Per lb. 75 cts.; oz. 10 cents; 1/2 oz. . . . . 5

**Mammoth Red Etampes,** skin brilliant glossy red, flesh deep orange, very thick, matures early. Per lb. \$1.00; oz. 10 cents; 1/2 oz. . . . . 5

**Large Yellow Mammoth,** the largest of all Pumpkins; round in shape, flattened at both ends. Desirable for exhibition purposes. Per lb. \$1.00; oz. 10 cents; 1/2 oz. . . . . 5

**Connecticut Field,** per lb. 35 cents; 1/4 lb. 15 cents, oz. 10 cents; 1/2 oz. . . . . 5



GOLDEN OBLONG.

**OTHER STANDARD VARIETIES.**

**Calhoun, Quaker Pie, Dunkard.**

Per lb. 60 cts.; oz. 10 cts.; half-ounce 5 cts.

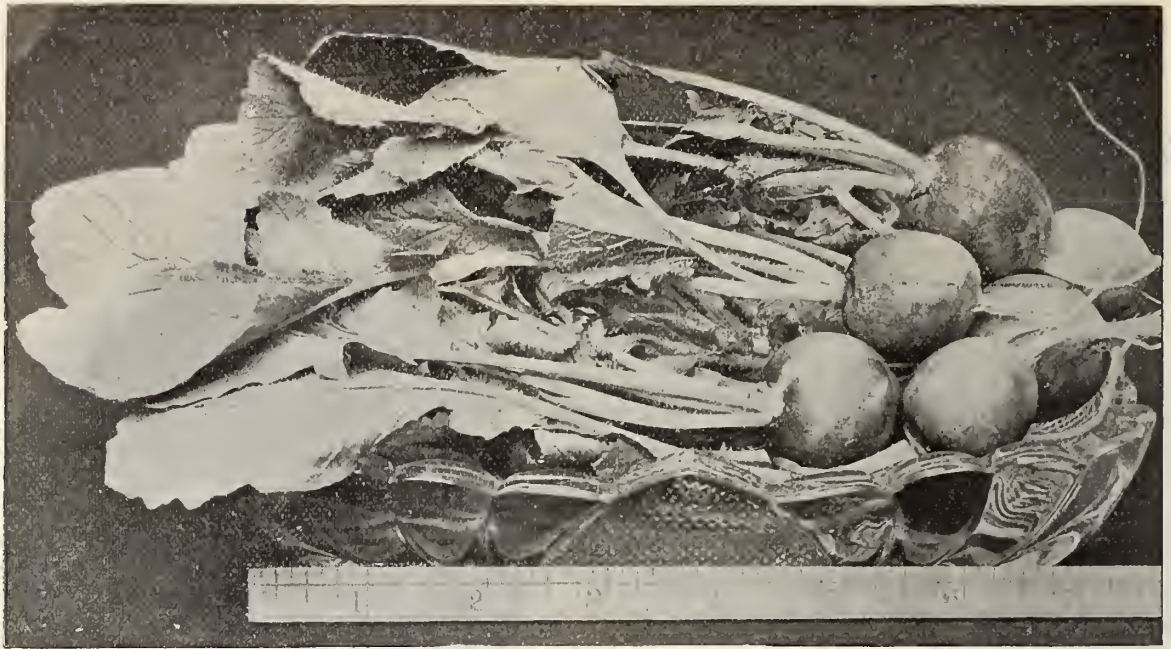
**RHUBARB. Rhabarber.**

The Rhubarb, or Pie Plant, is grown from division of the roots, and from seed. If seed is sown in a good, mellow soil, strong plants will be obtained in one year, and some cutting may be done the second spring. Plants put out in a rich soil in the spring are in fine condition the second season. Early in spring cover one or two fine roots with barrels, and over and around the barrels heap warm manure, and in a short time look out for delicious, tender Pie Plant; can also be grown in a tub in any corner of the greenhouse, or in a light cellar.

**Rhubarb, Myatt's Victoria.** Per lb. \$1.25; ounce 15 cents; 1/4 oz. . . . 5

**Linnæus, early and tender.** Per lb. \$1.25; ounce 15 cents; 1/4 oz. . . . 5

Roots, per dozen; \$1.50; each 15 cents.



VICK'S EARLY SCARLET GLOBE RADISH.

# RADISH.

*Radieschen und Rettige.*

Radish must make a rapid growth to be crisp and tender. For early use seed should be sown in the hotbed, in drills, four or five inches apart and half an inch deep. For an early crop in the open ground select a sandy soil, and a warm south border, under the shelter of a fence or building, if possible. A load of fresh, sandy loam from the woods is better for the Radish crop. As soon as the first leaves appear, sprinkle with soot or ashes to save from the little turnip fly. The Winter Radish should be sown about the middle of summer, and makes its best growth in the autumn. Pitted out of doors, or buried in earth in a cool cellar, it will keep crisp all winter.

- Radish, Vick's Early Scarlet Globe.** As a forcing Radish the Early Scarlet Globe has established a reputation as the leading sort—the best in every way. It is handsome in form and color—a beautiful oval and rich scarlet. The amount of its foliage is small compared with other varieties and small for the size of the radish. The peculiar merit of this variety as a forcing radish, is that it will bear the heat requisite for forcing without becoming pithy or spongy. The flesh is crisp, tender, juicy and mild. It is equally as good for open garden culture as for forcing, and, therefore, it commends itself equally to the amateur and market gardener. Per lb. 80 cents; oz. 10 cents; ½ oz. . . . . 5
- Vick's All Seasons,** without doubt the finest of its class; it may be sown from spring until autumn and the roots obtained from late sowings can be kept in storage for winter consumption; the root is round, of brilliant scarlet color, grows to a very large size and remains firm and brittle to the end. The best Radish for all purposes yet introduced. Per lb. \$2.50; per oz. 25 cents; ½ ounce . . . . . 10
- Extra Early Scarlet Turnip Rooted.** (Forcing.) Medium in size, the root being clear and smooth, with a small top, remaining fit for use a long time. Next to our Scarlet Globe we would recommend this variety for forcing. Per lb. 60 cents; oz. 10 cts.; ½ oz. . . . . 5
- Early Round Dark Red,** especially adapted for forcing, on account of its very small tap-roots and tops. It is also good for summer use in the open ground. Skin dark red; flesh white, crisp and tender. Per lb. 80 cents; oz. 10 cents; ½ oz. . . . . 5
- Scarlet Turnip White Tip.** (Forcing.) Very desirable for forcing and out door planting; tops and roots both small; skin bright scarlet; flesh very mild and crisp; per lb. 70 cents; oz. 10 cents; ½ oz. . . . . 5
- Scarlet, Olive-Shaped, oval;** very tender and excellent; an inch and a half long; per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Triumph.** A new, novel and remarkably pretty short-topped forcing Radish, although it can be grown in open ground successfully. The root is globe-shaped with horizontal bright scarlet-stripes on white ground; a very decorative sort for the table. The strain is not yet fully established but the seed we offer gives a large percentage of true plants. Seed being scarce we only afford as follows: per oz. 75 cents; ¼ oz. . . . . 25
- White Olive-Shaped,** like the other olive-shaped varieties in everything except color; per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Golden Yellow Olive-Shaped,** new: this is a vast improvement on the old yellow sorts; the color is a brilliant golden yellow, the root is smooth, being entirely free from the small tap roots; the flesh is pure white, juicy and mild, retaining its crispness until quite late; it is very early, adapted both for forcing and open ground; when bunched ready for market it presents quite an attractive appearance, therefore, all "up to date" market gardeners should put it on their list. Per lb. 80 cents; ounce 10 cents; ½ oz. . . . . 5
- Radish, French Breakfast or Scarlet, Olive-Shaped White Tip,** very tender and beautiful; per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Wood's Early Frame.** Similar to Long Scarlet, but shorter, earlier, and better adapted for forcing. Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Scarlet Turnip,** round, about an inch in diameter; skin scarlet; flesh white; good; per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- White Turnip,** similar to preceding, except in color, less pungent; few days later; per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Yellow Turnip,** similar to the above, except in color. Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Vick's Improved Long Scarlet Short Top,** the favorite long market Radish everywhere; six or seven inches long; our strain of this popular sort has been grown from a selection year after year until it is perfection in itself. Per lb. 60 cts; oz. 10 cts.; ½ oz. . . . . 5
- Long White Vienna, or Lady Finger.** The finest long white Radish grown. Beautiful in shape; skin and flesh snow white; crisp and tender in summer. Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Long White Naples,** a beautiful, long, clear white Radish, tinged with green at the top; excellent for a late Radish. Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Beckert's Chartier,** a distinct variety; color red at the top, shading to pink in the middle, and passing into pure white. It attains a large size before becoming unfit for use. Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Philadelphia White "Box"** is superior and entirely distinct from any early white turnip radish. Remarkably short top, rapid growth, perfect turnip shape, extra fine quality, showing no disposition whatever to become pithy with age. Its short top and rapid growth especially fit it for growing under glass. Per lb. 75 cents; oz. 10 cents; ½ oz. . . . . 5
- White Strasburg Summer, or White Hospital.** A large, white, showy, half-long variety; matures quickly; a leading market variety in the larger cities; per lb. 60 cents; ounce 10 cents; ½ oz. . . . . 5
- Giant White Stuttgart,** a popular variety, early, of quick growth and large in size. Both flesh and skin are pure snowy white. Per lb. 75 cents; ounce 10 cents; ½ oz. . . . . 5
- Chinese Rose Winter,** sow in summer, same as Turnips. Per lb. 75 cts.; oz. 10 cents; ½ oz. . . . . 5
- Black Spanish Winter, Round,** per lb. 60 cts.; ounce 10 cts.; ½ oz. . . . . 5
- Black Spanish Winter, Long.** Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Large White Spanish Winter,** per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- California Mammoth White Winter,** is really a Chinese Radish, grown by the Chinese in California; eight to twelve inches long, and from two to three inches in diameter; white, solid and good flavor. Per lb 60 cents; oz. 10 cents; ½ oz. . . . . 5

# SQUASH.

*Speisefürbiße.*

It is useless to plant Squash until the soil is quite warm, and all danger of frost or cold nights is over; and as they make a very rapid growth there is no necessity for haste in getting the seed into the ground. Squash like a rich soil; it is best to manure in the hill. Sow a dozen seeds in each hill, and when danger from "bugs" is over pull up all but three or four. A mellow, warm soil is best. For bush sorts, make hills three or four feet apart, and for the running kinds twice that distance. Squash are in two classes, Summer and Winter. The Summer are used when young and tender and the Winter, when well ripened, will usually keep till spring. Winter Squash should be ripened thoroughly or they are watery and lack sweetness and richness, and will not keep through the winter.



CROOK-NECK.

- Mammoth Summer Crook-Neck**, double the size of the above; per lb, 75 cents; oz. 10 cents; ½ oz. . . . . 5
- Hubbard**, the standard Winter Squash, no better variety grown; more generally cultivated as a late sort than any other; flesh fine grained, dry and of excellent flavor. Per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5
- Essex Hybrid, or Hard Shell Turban**. A cross between the Hubbard and American Turban, having the color, shape and fine quality of the Turban, with the dryness and hard shell of the Hubbard. A good keeper; flesh very thick, fine grained and solid; very productive; early, and of rapid growth; per lb. 60 cents; oz. 10 cents; ½ ounce . . . . . 5

**Green Mountain**, a new winter variety from Vermont; uniformly round, larger than Hubbard and has a beautiful netting of dark green; flesh deep orange red; cooks evenly, and best of all Squash for pies; wonderfully productive. Per lb. 80 cents, oz. 10 cents; ½ oz. . . . . 5

**Sibley, or Pike's Peak**, a very distinct and valuable variety. Shell pale green, very hard; flesh solid and thick, orange color, and of a rich and delicate flavor; per lb. 60 cts.; oz. 10 cts.; ½ oz. 5

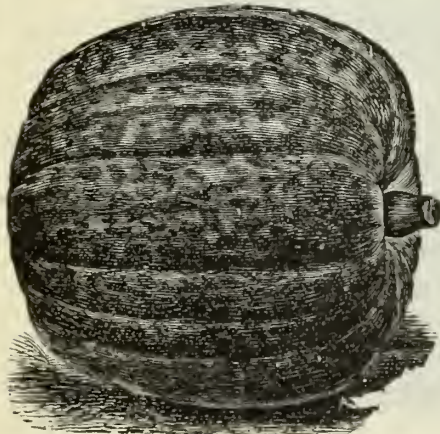
**Improved Orange Marrow**, a good, tender, rich variety, for fall and winter; per lb. 60 cents; oz. 10 cents; ½ oz. . . . . 5

**Mammoth Chili**. The largest of all Squash, valuable both for stock feeding and the table; per lb. \$1.00; oz. 10 cents; ½ oz. . . . . 5

**OTHER STANDARD VARIETIES.**

- Bay State, Warty Hubbard.
- Delicata, Winter Crook Neck,
- Faxon, Mammoth White Bush.
- Fordhook, White Summer Crookneck.
- Golden Custard, Perfect Gem,
- Marblehead, Improved Boston Marrow,

Per pound 60 cents . ounce 10 cents; half ounce 5 cents.



MAMMOTH CHILI.



ESSEX HYBRID.

## SEA KALE. Meer Kohl.

Sea Kale in flavor is like asparagus, but better. The part eaten is the young shoots that appear in spring, and they are not good until blanched. Sow in the spring, and plant out like Cabbage.

Sea Kale, per ounce 25 cents; packet . . . . . 5

## SPINACH. Spinat.

Sow in the autumn for spring use, in good drained soil, in drills a foot apart. When the plants are well up, thin them to three inches apart in the rows. For summer use sow as early as possible in the spring.

**Spinach, Improved Thick Leaved, or Long Standing**, a fine market sort.

Leaves large and thick, somewhat crumpled. Does not run to seed as early as other varieties; per lb. 35 cents; ¼ lb. 15 cts; oz. 10 cts. ½ oz. . . . . 5

**Victoria**. A new variety, lately introduced from Europe, has proven by test a valuable sort; its attractive dark green color, long-standing and hardy character, make it desirable for both spring and late sowing. Per lb. 35 cts.; ¼ lb. 15c.; oz. 10 cts; ½ oz. . . . . 5

**Round, or Summer**, for spring sowing. Per lb. 35 cents; ¼ lb. 15 cents; oz. 10 cents; ½ ounce . . . . . 5

**Round, Large-Leaved or Viroflay**, large, round, thick leaves. Per lb. 35c.; ¼ lb. 15 cts.; oz. 10 cts.; ½ oz. . . . . 5

**Prickly, or Fall**, hardiest and best for fall sowing. Per lb. 35c.; ¼ lb. 15c.; oz. 10c.; ½ oz. . . . . 5

**Spinach, Bloomsdale Savoy-Leaved**, (Norfolk). Hardy, large Savoy leaved, curled and crimped with thick fleshy leaves; good for fall sowing. Per lb. 35 cents; ¼ lb. 15 cents; oz. 10 cents; ½ oz. . . . . 5

**New Zealand**, large and luxuriant; endures drought well and produces a large quantity of leaves; plants should stand at least two feet apart; per lb. \$1.00; oz. 10 cents; ½ oz. . . . . 5

## SALISFY.

*Schwurzwurzel.*

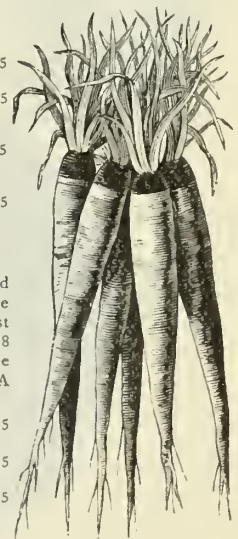
Salsify, or Vegetable Oyster, is used for soups, also boiled, fried, etc., and possesses the flavor of the oyster, for which it is sometimes used as a substitute. Culture is the same as for Carrots and Parsnips; flourishes best, with longest smoothest roots, in a light or mellow soil well pulverized, to the depth of 18 inches. Sow early in the spring in drills, a foot or more apart, covering the seed not more than two inches in depth. Thin out to six inches apart. A portion of the crop may remain in the ground all winter, like the Parsnip.

**Salsify, White French**, per lb. \$1.00; oz. 10 cents; ½ oz. . . . . 5

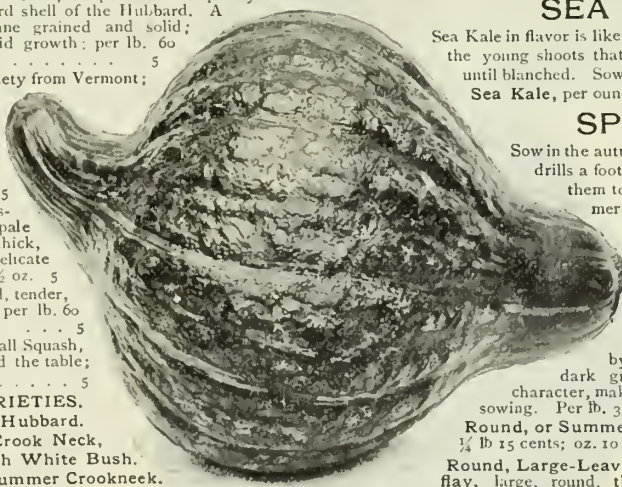
**Mammoth Sandwich Island**, a large and superior variety, pure white; per lb. \$1.25; oz. 15 cents; ¼ oz. . . . . 5

**Black, or Scorzonera**, a black variety, with a somewhat bitter root; per lb. \$2.00; oz. 20 cents; packet . . . . . 5

All goods listed in this catalogue delivered free of postage or express charges except when noted.



SALISFY.



HUBBARD SQUASH.

# TOMATOES.

## Paradiesäpfel.

Introduced into England from South America, in 1596, and then commonly known as the "Love Apple." There it must be grown under glass, but in this country it reaches the highest perfection: "To obtain fruit very early, sow in the hotbed in March. In about five weeks plants should be transplanted to another hotbed setting them about four or five inches apart. Here they should remain, having all the air possible, until after the middle of May, when they may be put out in the ground. If not too early or too cold, a cold frame will answer for the first transplanting. Very good plants can be grown in boxes in the house. Pinching off a portion of the side branches, and stopping others just beyond where the fruit is formed, hastens the ripening. No plant will bear training better than the Tomato, and they can be made very pretty. We have described below the very best varieties in the world, and none that do not possess some merit.

**Atlantic Prize, or Early Ruby,** originated in New Jersey. Possesses extra good qualities; extremely early; vines vigorous and strong; fruit borne in immense clusters. Per lb. \$2.00; oz. 20 cents; ¼ oz. . . . . 5

**New Imperial.** A valuable acquisition to our first early tomatoes. Of fine form, smooth and meaty, changing its color from red to a pinkish purple when fully ripe. It fruits in clusters and bears abundantly. Per lb. \$2.00; oz. 20 cents; ¼ oz. . . . . 5

**Dwarf Aristocrat.** This new variety resembles the "Dwarf Champion" and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy red fruit, so much preferred in many localities to the purple or rose-colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., are up to the present day standard of excellence. Per lb. \$2.00; oz. 20 cents; ¼ oz. . . . . 5

**Improved Acme.** A fine, solid, smooth, early variety, medium size, red, with a purplish tinge. It has become quite popular. Per lb. \$1.75; oz. 20 cents; ¼ oz. . . . . 5

**Early Leader.** An early variety, producing its beautiful red fruit in heavy clusters. Per lb. \$2.00; oz. 20 cents; ¼ oz. . . . . 5

**New Stone.** Ripens for main crop; very large; a bright scarlet color; very smooth; ripening even to the stem without a crack; exceedingly solid and firm fleshed; an excellent shipper; quality the very best; not subject to rot; its appearance on market remarkably attractive; a heavy variety; its vines and foliage rank and robust, heavily loaded with very uniform specimens of fruit. We have found it to possess several superior qualities and distinct characteristics. We believe it to be the standard Tomato for market gardeners and truckers. Per lb. \$2.00; oz. 20 cents; ¼ oz. . . . . 5

**Dwarf Champion, dwarf and compact** in habit, the plant growing stiff and upright, with very thick and short-jointed stems. Can be planted as close as three feet; as a cropper, it is unsurpassed; and will, owing to the small amount of space required between the plants, yield more to the acre. Per lb. \$2.00; oz. 20 cts.; ¼ oz. . . . . 5

**Tomatoes, Beauty.** A decided favorite for either home market or shipping purposes. Hardy, productive, large size, always smooth, glossy crimson with a slight tinge of purple. A great favorite with Florida and other long distance shippers. Per lb. \$1.75; oz. 20 cents; ¼ oz. . . . . 5

**Buckeye State.** A mammoth, growing from six to ten in a cluster, many of which will weigh from one to one and a half pounds each. Is of fine texture, smooth, ripens early, is a vigorous grower, has no green ends or useless core. Per lb. \$2.00; oz. 20 cents; ¼ oz. . . . . 5

**Bright and Early.** This new variety was the first to ripen on our trial grounds and we believe it to be all the originator claims for it. Nearly round, very smooth surface, a deep handsome red; skin firm and free from cracks; flesh solid and of finest flavor. The profusion of fruitage in the height of its season is the wonder and admiration of all who view it. Per oz. 50 cents; ½ oz. 30 cents; packet . . . . . 10

**Royal Red.** Bright scarlet and the reddest throughout of any grown. In size, smoothness, productiveness, solidity and general fine appearance, will please the most fastidious. Per lb. \$2.00; oz. 20 cts.; ¼ oz. . . . . 5

**Crimson Cushion.** Fruit very large, round and regular, bright scarlet color; flesh solid and of best quality; cells small and few in number. Exceedingly productive; fruit, handsome appearing, of fine form and will stand shipment well. Per lb. \$3.50; oz. 35 cents; ¼ oz. . . . . 10

**Lorillard.** Bright, glossy red and smooth, fine flavor and very early. This variety is being used quite extensively for forcing under glass. Per lb. \$2.50; oz. 25 cents; ¼ oz. . . . . 10

**Hathaway's Excelsior.** Early, medium to large, smooth as an apple; very solid, and of elegant quality every way; one of the best Tomatoes we have ever grown. Per lb. \$2.00; oz. 20 cents; ¼ oz. . . . . 5

**Ponderosa.** The fruit ripens quite early and keeps on coming until very late; of immense size, solid, almost seedless, and of good sub-acid flavor. Per lb. \$2.50; oz. 25 cents; ¼ oz. . . . . 10

**Keye's Prolific.** An extra early, extremely prolific variety, and one that is used quite extensively on the Pacific coast. Per lb. \$2.00; oz. 20 cents; ¼ oz. . . . . 5

**Golden Queen, "Queen of the Yellows."** It is solid smooth, large in size and ripens early. Makes a handsome rich preserve. Per lb. \$2.00; oz. 20 cts.; ¼ oz. . . . . 5

### OTHER STANDARD VARIETIES.

Fordhook First, Ignotum, Early Red Apple, Livingston's Perfection, Plum-Shaped (Yellow), Strawberry, or Winter Cherry, Mikado, Trophy, Tree Tomato, Pear-Shaped, Matchless, Peach, Cherry Shaped (Yellow or Red).

Price 20 cents per ounce; quarter ounce 5 cents.



ATLANTIC PRIZE.

# TURNIPS.

## Weiße Rüben.

The soil for Turnips should be rich and mellow. Sow in drills, from twelve to eighteen inches apart, and half an inch deep. When the plants are a few inches in height, and strong enough to resist the attacks of insects, thin them out to some five or six inches apart in the drills. Swede or Ruta Baga Turnips should be sown the first of June, the rows being about eighteen inches apart, and the plants in the rows not less than ten inches. The common, or English Turnip, comes to perfection in a short time, and if the weather is showery in the autumn will mature if sown very late. In this climate we sow from the 25th of July until the middle of August. The Ruta Bagas are excellent for all kinds of stock, and are relished by all. Every farmer should grow the Ruta Baga.

**Prices of Turnips and Ruta Bagas. Per pound 50 cents; quarter pound 15 cents; ounce 5 cents; except when noted.**

**Turnip, Purple Top, Strap-Leaved**, roundish, medium size, purple above ground, the most popular variety for early use, either for table or stock.

**White Top, Strap-Leaved**, similar to above; a fine, early white sort.

**Purple-Top White Globe**, an improved variety of the purple-top flat Turnip; globular in shape, of fine appearance, a good keeper, of excellent quality and equally desirable for table or stock.

**Extra Early Milan**, new white variety, purple-top and strap-leaf; the earliest of all; remains in good condition a long time; per pound 75 cents;  $\frac{1}{4}$  pound 25 cents.

**Early White Six Weeks, or Snow-ball**, very early and fine.

**New White Egg**, a very excellent variety nearly oval, or egg-shaped; flesh firm and fine grained, and of snowy whiteness; particularly desirable for the table; can be sown as late as the middle of August.

**Orange Jelly**, a very beautiful yellow Turnip, one of the very best yellows for the table.

**Sweet German**. This celebrated Turnip is white, sweet, a long keeper, and generally solid until midsummer. It should be sown as early as the Swedes.

### OTHER STANDARD VARIETIES.

**Early White Flat Dutch, Yellow Globe, Long White Cow Horn, Seven Top, Pomeranian White Globe, White Norfolk, Purple Top Yellow Aberdeen.**

## TOBACCO.

**Tobacco, Connecticut Seed Leaf.** Per ounce, 25 cents; packet . . . . . 5  
**Havana (or Cuban).** Per oz. 30 cents; packet . . . . . 10  
**Vuelta de Abajo.** Per ounce, 50 cents; packet . . . . . 10

## USEFUL HERBS.

A few Pot Herbs and Sweet Herbs should have a place in every vegetable garden. Every cook and every good housekeeper knows the value of the little patch of herbs upon which she makes daily drafts in the summer, and which furnishes such a nice collection of dried herbs for winter seasoning, without which the Thanksgiving turkey would be scarcely worth the having; while as domestic medicines several kinds are held in high repute. A very small space in the garden will give all the herbs needed in the family. The culture is very simple; and the best way is to make a little seed-bed in the early spring and set the plants out in a bed as soon as large enough. As a general rule it is best to cut the herbs when in flower, tie them up in small bunches and hang in the shade to dry. We give a list of the herbs generally cultivated and prized. Of some kinds we furnish roots, as will be seen below:

	PKT.		PKT.		PKT.
Anise, per lb., \$1.00; per ounce, 10 cents . . . . .	5	Fennel, Large Sweet, per ounce, 10 cents . . . . .	5	Savory, Summer, per ounce, 15 cents . . . . .	5
Balm, per ounce, 30 cents . . . . .	5	Hoarhound, per ounce, 30 cents . . . . .	5	Savory, Winter, per ounce, 20 cents . . . . .	5
Basil, Sweet, per ounce, 20 cents . . . . .	5	Hop-Seed, per ounce, \$1.50 . . . . .	25	Sorrel, French, per ounce, 15 cents . . . . .	5
Bene, per ounce, 15 cents . . . . .	5	Hyssop, per ounce, 20 cents . . . . .	5	Tansy, per ounce, 60 cents . . . . .	10
Borage, per ounce, 15 cents . . . . .	5	Lavender, per ounce, 20 cents . . . . .	5	Tarragon, per ounce, \$2.00 . . . . .	20
Caraway, per lb., 75 cents; per ounce, 10 cents . . . . .	5	Marjoram, Sweet, per ounce, 20 cents . . . . .	5	Thyme, Broad-Leaved English, per oz., 30 cts. . . . .	5
Catnip, per ounce, 40 cents . . . . .	5	Peppermint . . . . .	25	Summer, per ounce, 30 cents . . . . .	5
Coriander, per lb. 75 cents; per ounce, 10 cents . . . . .	5	Rosemary, per ounce, 40 cents . . . . .	5	Winter, per ounce, 30 cents . . . . .	5
Dandelion, per ounce, 25 cents . . . . .	5	Rue, per ounce, 15 cents . . . . .	5	Wormwood, per ounce, 30 cents . . . . .	5
Dill, per ounce, 10 cents . . . . .	5	Saffron, per ounce, 15 cents . . . . .	5	Lavender, roots, by mail, per dozen, \$2.00; each . . . . .	20
		Sage, per lb., \$1.50; per ounce, 15 cents . . . . .	5	Sage, roots, by mail per dozen, \$2.00; each . . . . .	20



PURPLE-TOP STRAP LEAF.

### RUTA BAGA, SWEDE TURNIPS.

**White Sweet Swede**, a large, white, solid Swede, sometimes called White Russian; quite desirable for table or stock feeding; a great yielder, fine form and good keeper.

**Vicks' Imperial Purple Top Yellow**. An excellent variety either for the table or cattle feeding. Flesh, yellow, firm, solid, rich and sweet. Very hardy, prolific, tender; splendid keeper.

**Hall's Westbury**, an excellent variety of splendid quality. Purple above ground and yellow below.

**Laing's Purple Top Strap-Leaved**. A large early sort of fine quality, yellow flesh, very sweet; tops peculiar in that they are strap or entire leaved.



PURPLE-TOP SWEDE.



PURPLE-TOP GLOBE.

# Seeds for Lawn and Pleasure Grounds.

Nothing is pleasanter about a house than a good lawn, and nothing is more easily made and kept in order by a little well directed care. To get Grass Seed up quickly and evenly, the surface must be mellow, so that it will not bake after a rain. If the soil is clayey, after sowing the Grass Seed cover the surface with a light coating of manure, which may remain, except a little of the coarsest. Four bushels of Grass Seed for an acre are required to make a good lawn in a short time; for small plots, five quarts to six square rods, or about one quart to a square rod, should be sown. Sow Grass Seed for lawns as early as possible in the spring, so as to give seed the benefit of early spring rains. Late sowing is seldom successful. It is better to wait until September than to sow after warm weather has commenced. The best single kind is Kentucky Blue Grass. To four bushels (per acre) of this, add White Clover and Sweet Vernal Grass, about two pounds of each, and this will make an excellent lawn. Our preparation of Lawn Grass contains Blue Grass, White Clover, and Sweet Vernal Grass, and other very choice and fine Lawn Grasses, and is, we think, the very best preparation possible for our hot and dry summers, as we have long been making experiments to ascertain this fact.



VIEW OF PORTSMOUTH TERRACE, PLANTED WITH VICK'S VELVET LAWN GRASS.

At the price per bushel and peck we ship by Express or Freight, not prepaid. No charge for bags, packing or cartage. By quart and pound we prepay postage. As many of our customers have written heretofore asking the quantity for certain space, we submit herewith a comparative table that will admit of close figuring, showing how much seed is needed for any number of square feet:

For 1 acre, 43560 square feet . . . 4 bu. or 80 lbs.	For 1/4 acre, 10890 square feet . . . 1 1/4 bu. or 27 lbs.	For 1-12 acre, 3630 square feet . . . 7 lbs.
" 1/2 " 21780 " " . . . 2 " 40 " " 1/2 " 7260 " " . . . 14 " " 1-16 " 2723 " " . . . 1/4 bu. or 5 "	" 3/4 " 16245 " " . . . 3 " 60 " " 3/8 " 5445 " " . . . 10 " " 1-32 " 1362 " " . . . 2 1/2 "	

"Making a Lawn," by C. W. Seelye, a little booklet of ten pages giving full directions for preparing the soil, grading, time of planting, mowing and after care, price 10 cents, or free with an order for a quart or more grass seed.

**Vick's Velvet Lawn Grass.** The Velvet Mixture contains all of the very best varieties of grasses suited for the purpose of making a Lawn beautiful in appearance, durable and lasting, and which will stand the frosts of winter and hot sun of the summer, showing a deep rich green at all seasons. We make only one mixture of this Velvet Lawn Grass, and it can be sown with equally as good effect on Terrace, Polo, Tennis or Park grounds, while it is especially adapted for a beautiful home or residence lawn. The seed used is pure and heavy and especially cleaned, and the finest ever offered.

Price, bushel of 20 lbs. \$4.00; peck, 5 lbs. \$1.10; less than peck quantity, per lb. 40 cents; per quart . . . . . 25

**Kentucky Blue Grass** (*Poa pratensis*). In conjunction with White Clover it forms the finest and closest turf. As a pasture-grass it furnishes the most nourishing food for cattle of any, until winter; thrives on a variety of soils, but does best in dry and somewhat shady localities. Four bushels for lawn and 1 1/2 bushels per acre for pasture. Extra fancy clean. 100 lbs. \$16; bushel (14 lbs.) \$2.25; peck 75 cents; lb. 30

**Kentucky Blue Grass.** Same as above, but not so well cleaned.

Per bushel (14 lbs.) \$1.75; peck 60 cts.; less than peck quantities, per lb. 25

**Red Top**, per 100 lbs. \$10; per bushel (14 lbs.) \$1.50; peck 50 cents; lb. 25

**Red Top, fancy** (*Agrostis vulgaris*). Valuable as a mixture in either lawn, pastures, or meadows, growing in almost any soil, moist or dry.

For lawns three bushels, for pasture 1 1/2 to 2 bushels per acre.

Fancy cleaned, per 100 lbs. \$20; pound . . . . . 35

**Sweet Vernal Grass, TRUE PERENNIAL** (*Anthoxanthum odoratum*).

The chief merit of this grass lies in its fragrant odor. As a mixture for lawns and pasture lands it is invaluable.

Per lb. 75 cents; ounce . . . . . 10

Annual Sweet Vernal, per lb. . . . . 25

## GRASS MIXTURE FOR PERMANENT PASTURES.

It is quite essential in making up pasture mixtures that different soils and climates should be considered. With this in view, we have experimented largely, and now offer the following mixtures, per bushel of 14 pounds, at \$2.50 per bushel.

For light and medium soils, Heavy soils, Orchards and shaded places, Rocky or gravelly hills,  
Marshy grounds liable to be overflowed with water. In ordering state quality of soil.

## DESIRABLE GRASSES AND CLOVER SEEDS FOR THE FARM.

(At the pound price, we prepay postage; at price per bushel, we ship by express or freight, not prepaid.)

**Timothy** (*Phleum pratense*). A field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils, it will produce more than any other sort.  $\frac{3}{4}$  to  $\frac{1}{2}$  bushels per acre.  
Per bushel (45 lbs.) market price; pound by mail . . . . . 20

**Orchard Grass** (*Dactylis glomerata*). One of the very best pasture Grasses, as it is exceedingly palatable to stock, and will endure a good deal of cropping.  $\frac{1}{2}$  to 2 bushels per acre.  
Per 100 lbs. \$16.00; (bushel, 14 lbs.) pound . . . . . 30

**Hungarian Brome** (*Bromus inermis*). A perennial grass which is rapidly coming into use for pasture and hay, but especially the former, on dry lands and in regions subject to severe droughts. It does well in all parts of the country, North and South and in the dry West. It grows most rapidly in sandy soils, but will establish itself on the heaviest lands. 30 to 50 pounds of seed per acre. Per 100 lbs. \$18.00; (bushel, 14 lbs.), per lb. . . . . 35

**Rough-Stalked Meadow Grass** (*Poa trivialis*). One of the most valuable grasses to cultivate in moist, rich, sheltered soils. 20 pounds to the acre. Per 100 lbs. \$30.00; (bushel, 14 lbs.), per pound . . . . . 45

**Creeping Bent, or Florin** (*Agrostis stolonifera*). Desirable for mixing with other lawn or pasture grasses, as it thrives in moist land, on which water does not stagnate. 1 to  $1\frac{1}{2}$  bushels per acre.  
Per 100 lbs. \$20.00; (20 lbs. to bushel), per pound . . . . . 35

**Fowl Meadow Grass** (*Poa serotina*). Suitable for low, moist land. May be mowed any time from July to October. Cattle and sheep are fond of it. Succeeds best when mixed with other grasses. One to  $1\frac{1}{2}$  bushels to acre.  
Per 100 lbs. \$20; (bushel, 12 lbs.) lb. . . . . 35

**Bermuda Grass**. Invaluable for crop in the South. It will stand a greater degree of heat than any other known grass. Per pound . . . \$1 10

**Johnson Grass** (*Sorghum Halapense*). Popular in the Southern States, where it is considered one of the most valuable forage plants of recent introduction. 1 bushel per acre. Per 100 lbs. \$12.00, (bushel, 25 lbs.) lb. 25

**Tall Meadow Oat Grass** (*Avena elatior*). Valuable for pasture. The most promising for replacing prairie grass at the west. Four bushels to the acre; 100 lbs. \$20.00; (bushel 13 lbs.), lb. . . . . 35

**Meadow Fescue** (*Festuca pratensis*). An excellent pasture grass. Should be sown in a mixture with other grasses, as Orchard Grass, Rye Grass or Kentucky Blue Grass. 40 lbs. per acre.  
Per 100 lbs. \$12; (bushel, 22 lbs.), lb. . . . . 25

**Perennial Rye Grass** (*Lolium perenne*). Valuable for permanent pasture, in mixture with other pasture grasses.  $1\frac{1}{2}$  to 2 bushels per acre.  
Per 100 lbs. \$8.00; (bushel, 24 lbs.); pound . . . . . 20

**Italian Rye Grass** (*Lolium italicum*). Used in Europe for soiling. Gives early, quick and successive growth, till late in fall. Good for use in pasture mixtures. Two bushels to the acre.  
Per 100 lbs. \$10; (bushel, about 18 lbs.); pound . . . . . 25

**Hungarian Grass** (*Panicum Germanicum*). Valuable soiling plant. Withstands drought remarkably, and may be sown as late as first of July, and produce a large green crop.  $1\frac{1}{2}$  bushels to the acre.  
Per bushel (48 lbs.) \$1.50; peck 50 cents; pound . . . . . 15

**German, or Golden Millet**. Medium early forage plant, prolific in stalk and grain. 25 lbs. to acre; per bushel (50 lbs.) \$1.50; peck 50 cents; lb. 25

## CLOVER. etc.

### SPECIAL QUOTATIONS FOR LARGE QUANTITIES.

**White** (*Trifolium repens*). Valuable to mix with lawn grass; should be in every mixture for permanent pasture. 100 lbs. \$20; lb. by mail, 35c. 02. 10

**Medium Red** (*Trifolium pratense*). Excellent for pasture or hay; valuable as a green manure, and should be in all grass mixtures. Eight to ten lbs. per acre when sown alone. Per bushel, market price; per lb. by mail 20

**Mammoth Red** (*Trifolium pratense*). Used largely for plowing under for manure. By judicious use exhausted lands can be reclaimed, as it will grow where common clover will fail. Eight pounds to the acre.  
Per bushel, market price; per pound, by mail . . . . . 25

**Scarlet, or Crimson** (*Trifolium incarnatum*). Most valuable crop for green manuring, soiling, hay, pasture and ensilage. It is an annual and must be sown every year. Improves worn out and poor soils and is the **cheapest** and best fertilizer. Being a winter crop it should be sown in August

and September. Sow 10 to 15 lbs. per acre. Bushel (60 lbs.), \$4.50; 15 pounds, \$1.25; 1 pound, by mail, postpaid . . . . . 20

**Alsike, or Swedish** (*Trifolium hybridum*). Thrives in rich, moist soil. Does not succeed on high, dry lands. Six pounds per acre.  
Per 100 pounds \$14.00; per pound, by mail, 30 cents; per ounce . . . . 10

**Sweet, or Bokhara** (*Melilotus alba*). Makes excellent food for bees.  
Pound 45 cents; ounce . . . . . 10

**Alfalfa, or Lucerne** (*Medicago sativa*). Where this succeeds it is the most valuable of all the clovers; requires a very fine, mellow, deep soil.  
Per 100 pounds \$14.00; per pound, by mail, 30 cents; per ounce . . . . 10

**Sainfoin** (*Onobrychis sativa*). A valuable fodder plant on dry, light sandy soils. Four bushels to the acre, (about 26 pounds to bushel).  
Per 100 pounds \$10.00; per pound, by mail . . . . . 25

## MISCELLANEOUS SEEDS FOR THE FARM.

At Pound or Quart, we Prepay Postage. Pecks or Bushels by Express or Freight at Expense of Purchaser. Special Prices on Large Quantities.

### BARLEY.

**Hullless**. Hullless, like wheat when threshed. Ripens early and yields about ten bushels more per acre than other barleys.  
Per pound 20 cents; peck 65 cts; bushel \$2.00.

**Early Russian Six-Rowed**. A valuable sort grown for several seasons throughout Western New York where it has given the very best of satisfaction. For malting it has no equal, and the yield as compared with other varieties is simply enormous. Pound 15 cents; peck 40 cents; bushel \$1.25.

**Two-rowed Duck Bill**. Early, prolific; lb. 20 cts.; peck 50 cts.; bush. \$1.75.

### BUCKWHEAT.

**New Japanese**. The yield of this variety is largely in excess of the old one. The straw is heavier and more branching, kernels twice the size of the old kinds, ripening a week earlier, while the flour made from it is fully equal to that of any other variety; 20 cts. per lb.; peck, 40 cts.; bushel \$1.30.

### FIELD CORN.

**Genesee Valley**. A new corn of the yellow 8-rowed flint variety. It is very early and exceedingly prolific, and will give perfect satisfaction.  
Per quart 20 cents; peck 50 cents; bushel, shelled, \$1.50.

**Longfellow**. An early 8-rowed yellow flint variety. Ears from 10 to 15 inches long. Per quart 20 cents; peck 40 cents; bushel, shelled, \$1.25.

**Champion White Pearl**. A new, early, thoroughbred, white dent Corn. It ripens in 90 to 100 days from time of planting; ears averaging 16 rows.  
Per quart, 20 cents; peck, 50 cents; bushel, shelled, \$1.50.

**Improved Leaming**. Stalks of good size, setting two large handsome ears. Kernels very deep orange color; cob very small. Per quart 20 cents; peck 40 cents; bushel, shelled, \$1.25.

**Pride of the North**. Yellow dent, 16-rowed; cob very small and red; kernels, deep orange color. The earliest of the dent varieties.  
Per quart 20 cents; peck 40 cents; bushel, shelled, \$1.50.

**Iowa Silver Mine**. Awarded 1st prize at Illinois State Fair. White kernels on white cob; ears 10 to 12 inches long, often weighing  $1\frac{1}{2}$  pounds. Stalks 7 to 8 feet high; 16 to 20-rowed; per quart 20 cents; peck 60 cents; bushel \$2.

**Improved Early Sheeptooh** (FODDER CORN). Nearly two weeks earlier, and better adapted for fodder and ensilage in the Northern states than the ordinary Southern Sheeptooh. Bushel \$1.25; 10 bushel lots, \$1.00 per bushel.

**Sweet Fodder**. Being very sweet and nutritious, cattle will eat every part of the stalk and leaves. Per bushel \$1.75; 10 bushel lots \$1.50 per bushel.

**Pre-Historic Corn**. A peculiarity of this variety is its color and general appearance. It is of good quality, valuable for grain and fodder, averaging about four ears to a stalk. Per quart 25 cents; pint 15 cents.

### RYE.

**Spring Rye**. This variety has been developed simply by planting Winter Rye in the spring and selecting the seed so produced for several years. The standard variety for spring planting. Per peck, 50 cents; bushel, \$1.50.

**White Winter**. Much prized for its straw, also for plowing under as a green manure. The ordinary fall sown variety of which we offer choice selected stocks only. Per peck 40 cents; bushel \$1.00.

## WHEAT.

**SPRING—Saskatchewan Fife.** Has the general characteristics of Scotch Fife, from which it has descended by careful selection, but is a marked improvement in point of earliness, hardiness, productiveness and purity. Is highly endorsed by leading wheat growers. Per peck 50 cents; bushel \$1.50.

**WINTER—Early Genesee Giant.** Stooling strong, short-jointed straw, fine hard amber grain; exceptionally fine milling qualities, very productive, yielding at rate of 60½ bushels per acre. Per peck, 50 c.; bush. \$1.50.

**Early Arcadian.** Originated from a cross between Early Genesee Giant and Early Red Clawson. Square head; strong, medium long straw, and light amber grain, bald brown chaff, very prolific. Per peck, 75 cents; bush. \$2.50.

**Diamond Grit, or Winter Saskatchewan.** A worthy rival at last to the *Hard Spring* wheat of the Northwest, being superior to every known Winter wheat for milling. Grain plump and dark, weighing 64 pounds to the measured bushel. Chaff light bearded. This is a red wheat of great excellence and adapted to all soils. Per peck, 75 cents.; bushel, \$2.50.

**Bearded Fife.** A grand new wheat with qualities of the Northwestern Spring sort, equal to the best of these in the amount of gluten and, without doubt, the hardest of all wheats known. Per peck 60 cents; bushel \$2.25.

**Jones' Longberry No. 1.** Winter wheat growers will find it productive, hardy and profitable. Heads bearded, of a rich brown shade. Straw, gold colored, good length; chaff, smooth. Its blending of red and amber wheat in one berry will be appreciated by all millers for its high milling qualities. Per lb. 35 cents; peck, \$1.50; bushel, \$5.00.

## OATS.

**Oats, Vick's Improved American Banner.** The seed now offered as the Improved American Banner Oat is the very best. After thousands of trials in all parts of the country its fame is higher and more secure than ever before, in fact it stands as the banner oat. An average of 80 pounds has been raised from one pound of seed and 100 bushels from an acre. The grain is white, large and plump, ripens early, has stiff straw of good length. Can be sown thinner than ordinary oats. Prices, postpaid, per lb. 20 cts., three pounds 50 cents. By express or freight at expense of purchaser, per peck 40 cents, bushel \$1.25; five bushels \$5.50. For large quantities, special prices.

## THE BEST SHEEP FODDER.

**Rape—Dwarf Esscx, English.** The growing of Rape is becoming more general year after year, and with much profit to the farmer. While the crop is more especially grown for feeding sheep, still cattle, pigs and milch cows do very well upon it. If possible sheep should have access to a grass pasture, on which they will feed alternately with the Rape, thus keeping them in the best of thriving condition. A constant supply of salt in the Rape field is quite beneficial. For sheep pasture, it may be sown in May and will be ready for pasturing in July and August. Or it may be sown in June, or even up to the latter part of July, and furnish a large amount of pasture or fodder. In drills sow five pounds to the acre. Broadcast, ten pounds to the acre. Per lb., postpaid, 25 cts.; 100 lbs. \$10.00.

## SUNFLOWER.

**Sunflower, Mammoth Russian.** Highly valued by all farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. Three quarts of seed will plant one acre. Yields from fifty to seventy bushels per acre. Per 100 lbs. \$6.50; lb. 25 cents.

**White Beauty.** A sunflower with snow white seeds. This strikingly distinct new sort is not only the most beautiful, but the most vigorous, out-yielding the old sorts almost two to one, 3,000 pounds per acre being no unusual yield. Per lb. 50 cents; ¼ lb. 15 cents; oz 10 cents.

## SORGHUM.

*When wanted in larger quantities than quoted ask for special prices.*

**Sorghum, Early Amber.** Seems to be far the best variety for the production of syrup and sugar, and is grown and used extensively, particularly in the Northwest. Per lb. 20 cents.

**Early Orange.** A little later than the Amber. It does not succeed well north of latitude 43 degrees. Per lb. 20 cents.

**Red Kaffir Corn.** Non-saccharine. The plant is low, stocky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages of its growth is agreeable for green fodder. Per lb. 20 cts.

**White Kaffir Corn.** Per lb. 20 cents.

**White African.** Per lb. 20 cents.

**Millo Maize.** The merit of this non-saccharine Sorghum is that when cut for feeding it starts again from the remaining stumps with renewed strength and vigor; thrives in the hottest and driest localities. Per lb. 20 cents.

**ARTICHOKES.** Artichokes are planted same as potatoes. Four bushels of the Jerusalem Artichoke will produce 1200 bushels of roots. This variety is very hardy and will stand freezing and thawing, and hogs will enjoy, grow and become more healthy than on any other feed. Prof. Johnson of the Michigan Agricultural College, is so well pleased with results of this feeding that he is greatly enlarging the Artichoke plantation. Price per bushel \$1.75; peck 60 cents, by freight or express, not prepaid; quart, postpaid, 30 cents.

## BROOM CORN.

The Evergreen is the favorite Broom Corn, Per lb. 20 cents.

**COW PEAS.** Adapted to Southern localities; also valuable in this latitude as a fodder plant, sheep being very fond of them when in flower; their chief value, however, is as a green crop to plow under. Two bushels to the acre. Per bushel \$2.00; quart 20 cents.

**FIELD LUPINS.** Popular for soiling and for sheep. Sow in the spring and plow under when in flower. White, yellow or blue. Per lb. 25 cents.



**LATHYRUS SYLVESTRIS.** (Flat Pea.) A perennial forage plant. It grows well on very poor, unimproved, sandy soil, withstands severe frosts, and is not injured by severe drought. Valuable for plowing under in a green state. It is recommended to sow seed in a small garden bed and transplant to the field when the plants are of suitable size. Per lb. \$1.75; oz. 25 cents.

**LOCUST, Honey.** (*Gleditschia triacanthos*.) Cultivated as a hedge plant. Scald seeds before planting; 2,000 seeds to lb.; lb. 40c.; oz. 10c.

**OSAGE ORANGE.** (*Maclura aurantiaca*.) Cultivated as a hedge plant; sow in April or May; about 10,000 seeds to lb.; per lb. 40c.; oz. 10c.

**SPURRY.** (*Spergula arvensis*.) Annual. Grows well on poor, dry, sandy soils. It is in best condition for pasture in four to six weeks after sowing, and may be sown every month from March to August. Excellent pasture for cattle and sheep; also as a fertilizer for light sandy soil. Sow fifteen pounds to the acre. Per lb., post paid, 25 cents; 100 lbs. \$10.00.

**TEOSINTE.** (*Reana luxurians*.) Recommended as the most prolific forage plant. Appearance somewhat resembles corn, but the leaves are much longer and broader. It can be cut several times during the season, yielding enormously. It will attain a height of twelve to fifteen feet. One seed will sometimes produce twenty to sixty stalks or shoots. The warmer the climate the better it yields. Requires about four pounds of seed per acre. Plant in drills three feet apart and two or three seeds every twelve inches in drill. Per lb. \$1.50; oz. 15 cents.

**VETCHES, Spring Tares.** (*Vicia sativa*.) Sown broadcast at the rate of one to one and one-half bushels to the acre, 1½ wheat or barley, and sometimes mixed with oats for soiling. Per bushel \$2.75; quart 20 cts.

**WILD RICE.** Valuable as a forage plant for swamps and wet land. Stock are fond of it when grown and also when cured for fodder. It is also much sought after by water fowl. Per lb. 35 cts., postpaid; \$20 per 100 lbs.



# ... POTATOES ...

## Select List of New and Standard Varieties, True to Name.

### SPECIAL POINTS ON SHIPPING POTATOES.

We always ship Potatoes and other heavy seed by Freight unless ordered by Express. Please state whether you want the Potatoes by Freight or Express, and do not fail to name the station to which they are to be sent.

Many people order small quantities, like a peck, to go by freight, thinking that the charges will be less. The railroad companies make no charge for less than 100 pounds, therefore the freight on a bushel is just as cheap as on a peck. Packed for shipment Potatoes weigh about: Peck, 20 pounds; half bushel, 40 pounds; bushel, 70 pounds; barrel, 185 pounds.

### A CHANGE OF STOCK SEED IS A GREAT BENEFIT.

Shipping season begins just as soon as danger from freezing is over. We shall send out none but first-class stock, and at prices named in this Catalogue will sell as long as stock lasts, no matter what advance there may be. When so desired we will pack two or three varieties in one barrel without extra cost. All orders filled directly from our bins, and no charge made for packing or cartage. At the pound price we prepay postage. At peck, bushel and barrel rates the purchaser will pay express or freight charges.

### AMERICAN WONDER.

LATE.

The American Wonder is one of the best all-round white Potatoes in cultivation. It is practically blight proof, a strong grower, a great producer, and one of the best late varieties for general field culture. The vines are very strong and branching, with dark green foliage. Tubers white, large and uniform in size; elongated, slightly compressed, with few eyes, which are nearly flush with the surface. In quality nothing can surpass this variety, — either baked or boiled it is dry and floury, and has a rich, sweet flavor.

### THE BOVEE.

A new, very promising, Extra Early variety. In connection with its earliness it is a grand good cropper, yielding well with Rural New Yorker No. 2, Carman and other late varieties.

In color and shape it resembles the Hebron class somewhat. Flesh white and quality the best; earliness and yield form a combination seldom found in a Potato.

Price, per pound, 30 cents; three pounds, 75 cents; by mail, postpaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by freight or express, not paid.

### CARMAN NO. 1.

MEDIUM LATE.

Originated by Mr. E. S. Carman, editor of the *Rural New Yorker*. It is a very large, handsome, white Potato, with skin well netted. Its chief characteristic is its vigorous growing power.

### CARMAN NO. 3.

LATE.

Resembles Carman No. 1, except that the tubers are not quite so elongated; eyes shallow and few in number. It is of the shapeliest form, and even in droughty seasons its perfect shape is retained. The tubers are borne very close to the plant, and will average a

pound each. Perfect keeper. Skin and flesh are of extreme whiteness. Foliage heavy, dark green color, strong and vigorous vines; tubers set while the vines are quite small, but do not ripen until late.

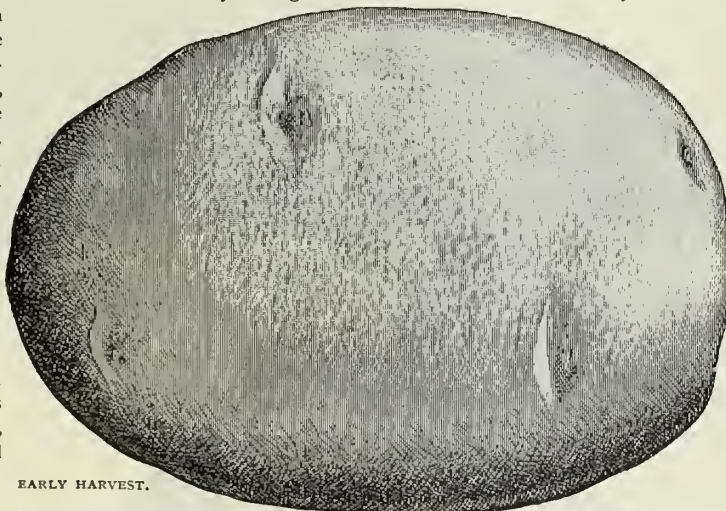
### EARLY HARVEST.

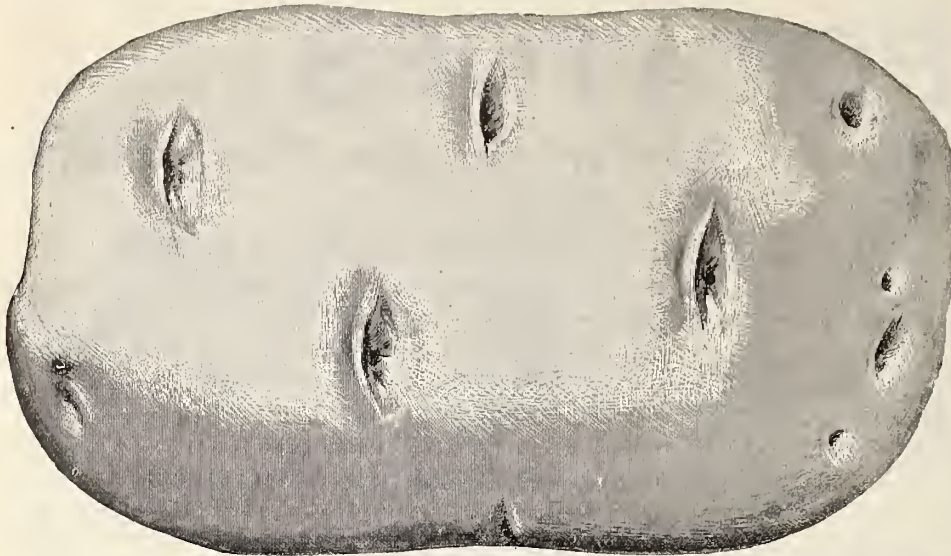
This extra early white Potato originated in Maine. It is wonderfully early. This feature, coupled with large yield, superb quality and fine appearance, makes it a most valuable sort for early marketing or home use. The tubers average large, are

nearly white, with eyes only slightly indented, shape oval, flattened, sometimes long oval.

Price: per pound, 25 cents; three pounds, 60 cents, postage paid; by express or freight, not paid, peck, 50 cents; bushel, \$1.60; barrel, \$1.00. Excepting where noted.

It costs no more to procure fresh vegetable seeds, true to name, direct from the grower than it does to buy questionable seeds of the store. We deliver seeds free, except where noted. Attention is called to our *New Departure in Vegetable Seeds*. See page 79.





MAGGIE MURPHY.

**MAGGIE MURPHY.**

LATE.

The unanimous reports and samples of potatoes that have been sent us from every State and territory, also Canada, verify our statement that the Maggie Murphy stands without an equal and is conceded by potato growers to be one of the best late varieties, and if planted on light soil the quality is unsurpassed, the yield enormous. This potato in form is oval, the skin a delicate pinkish tint with russet markings, eyes flush with the surface; plants very strong and vigorous, remaining green up to maturity, blight proof and an abundant yielder.

**EARLY NORTHER.**

EARLY.

An improvement over the Early Rose as it is earlier, more prolific and fully as good, if not better, in quality; in shape and color the same. Vigorous grower, eyes few and shallow. A splendid variety.

**OHIO JUNIOR.**

EXTRA EARLY.

This Potato originated with us in 1881, and although a chance seedling, it is without doubt related to the "Early Ohio," as it is almost identical with that variety in the form and marking of the tubers, habit, growth, etc. The tubers are oval oblong, round at the seed end, with full eyes that are almost even with the surface. An excellent keeper, very productive, of fine quality, and has proved to be a most valuable addition to our list of extra early varieties.



EARLY NORTHER.

**SIR WALTER RALEIGH.**

LATE.

Mr. Carman, the introducer of the well known and popular potatoes, Rural New Yorker No. 2, Carman Nos. 1 and 3, has given us another grand new variety in the Sir Walter Raleigh. It is a seedling of the R. N. Y. No. 2, resembling it in shape and color but more uniform in size and more prolific; in quality far superior; about six days later. We predict for it a great future.

**WORLD'S FAIR.**

MEDIUM EARLY.

Very smooth, eyes few and right on the surface, symmetrical in form and outline, with a creamy white skin covered with a netting; quality perfect, large yielder if planted on rich soil; season medium.



OHIO JUNIOR.

Per lb. 25 cents; three lbs. 60 cents, prepaid. By express or freight, not paid, peck 50 cents; bushel \$1.60; barrel \$4.00.



**T**HOUGH Potato growing is one of the main industries of our country, many farmers think all that is necessary is to plant any seed on any soil and harvest the crop, blaming the season for poor yield. Some reasons for poor crops

are want of good seed, care, cultivation, fertilizers and change of stock seed; when these have proper attention a good yield is almost guaranteed. To create an interest among growers and to encourage them to make the most of their opportunities, we offer **\$150.00 Cash, in Prizes**

**\$150 Cash Prizes.**

**\$150  
Cash  
Prizes**

For the largest yield of **WHITE BEAUTY** Potatoes, grown from one peck, in field or garden.

<b>First Prize, . . .</b>	<b>\$60.00</b>	<b>Sixth Prize, . . .</b>	<b>\$5.00</b>
<b>Second Prize, . . .</b>	<b>\$30.00</b>	<b>Seventh Prize, . . .</b>	<b>\$5.00</b>
<b>Third Prize, . . .</b>	<b>\$20.00</b>	<b>Eighth Prize, . . .</b>	<b>\$5.00</b>
<b>Fourth Prize, . . .</b>	<b>\$10.00</b>	<b>Ninth Prize, . . .</b>	<b>\$5.00</b>
<b>Fifth Prize, . . .</b>	<b>\$ 5.00</b>	<b>Tenth Prize, . . .</b>	<b>\$5.00</b>



**THE NEW WHITE BEAUTY.**

When sending order state your intention to compete for this prize and your address will be recorded in a register for this purpose. A record must be kept of the day of planting, number of hills, number of square feet in plot planted, number of eyes to hill, amount and kind of fertilizers used. Two witnesses must see the planting and digging and testify to same when final report is made. At time of shipping potatoes a blank covering these points, to be filled out, will be enclosed. Each competitor will be fully repaid for the extra trouble by the heavy crop, and ten persons will each receive a cash prize besides.

**THE NEW WHITE BEAUTY,  
The Best for Form, Size, Quality and Yield.**

The White Beauty Potato introduced by us last year has proven to be all we claimed for it. The many favorable reports from customers who tried it the past summer strengthen our belief, that it is the best all round general crop potato ever offered. As a rule potatoes of extra fine cooking qualities are very poor yielders or do not obtain the size required for good market potatoes, but in the new variety we have all the strong points in a first class potato, viz.: Form, size, quality and yield.

Resembles the old favorite White Star in habit of growth and season, while in quality it is much superior, being fully as good as Freeman or World's Fair (two of the best for quality, but poor yielders). Vine strong and upright; never affected by blight. In tests with Monroe seedling, Carman No. 1, and other leading varieties, it outyielded them by many bushels. In one trial with Rural New Yorker, under field culture with no manure or fertilizer, it outyielded it by fifty bushels, and gave 250 bushels of as fine a lot of potatoes as we ever saw grown on one acre of land. One of the largest Potato dealers in Boston, who received a few in car with other Potatoes, was so pleased with the stock, that he offered 10 cents a bushel above market price for them. Don't fail to give it a trial.

*Price, postage paid, per pound, 40 cents; three pounds, \$1.00.  
Price, by Express or Freight, not prepaid, per peck, \$1.00; per bushel, \$3.00; per barrel, \$6.00.*

# STRAWBERRIES.

For field culture, plant in rows four feet apart, with the plants one foot apart in the row. For garden culture plant three by one foot. Should the ground not be prepared for planting, on receipt of plants, they should be carefully heeled in, in a cool, moist, shady place. Do not sprinkle the foliage, as it causes a moisture to collect, which is very injurious to the crowns, causing them to rot. In setting the plants be careful to have the crown even with or a little above the surface of the ground, and to have the trench or hole in which the plant is to be set deep enough to allow the roots their full length. Some varieties of Strawberries have pistillate or imperfect flowers. These must have perfect flowered varieties planted every fifteen or twenty feet among them or they will produce imperfect fruit. The pistillate varieties are marked P. **At dozen prices we prepay postage; at hundred rates add 25 cents per hundred for mailing, if wished by mail, otherwise we will ship by express at expense of purchaser.**

Plants 30 cents per dozen, 65 cents per 100, \$3.50 per 1000, except as noted.

**Strawberry, Bismark. (P.)** The Bismark is a seedling of Bubach No. 5, pollenized by the Vandeman. The plant resembles Buhach No. 5 in every way, only more robust and stocky, with the same ironclad foliage. The berries are produced in abundance, out-yielding Bubach; shape obtuse conical. Color bright scarlet, no green tips, very firm, good flavor and good shipper. Season medium to very late.

**Bandwinwine.** Immense size and fine quality; quite firm and shapely; foliage of the largest and thickest, entirely free of scald or blemish; heavy peduncles. The average size is as large as any raised, and the shape is more uniformly good than that of any other of the largest varieties. Heart-shaped, often broadly so, without neck. Its most pronounced irregularity inclines toward a Sharpless shape, occasionally as of two berries joined together.

**Bubach. (P.)** Large size, great producer, vigorous grower on rich soil, and superior in quality. Ripens with Crescent. Bright, well colored berries, of fine form, handsome in appearance and of fine flavor.

**Clyde.** The Clyde is considered one of the best Strawberries of recent introduction. Ripens early, and large or larger than Bubach, better quality and much finer. The plant is strong and healthy, foliage light green. For the market or home culture it is unsurpassed.

Per dozen, 40 cents; per 100, 80 cents; per 1000, \$5.00.

**Crescent. (P.)** Bright scarlet, immensely productive, early and profitable. Berries medium size, not the best for shipping long distance, but for near markets a profitable variety.

**Haverland. (P.)** Plants vigorous and stand drouth well; fruit long, cone-shaped with a neck, medium to large size, light scarlet color; quality good; very productive, and fruit continues to ripen through a long season.

**Jessie.** Large size, handsome, regular form; stout and luxuriant in growth on rich soil, free from rust.

Beautiful color, fine quality, very productive, firm.

**Lovett's.** A cross between Crescent and Wilson. More prolific than the former and double its size; color brilliant; berry as firm as the latter. Ripens very early and is very hardy and vigorous in growth.

**Glen Mary. (P.)** Another new variety of vigorous growth, large size, good quality, color dark scarlet; flesh light red. For home use and near-by market is a very promising variety.

**Greenville. (P.)** Originated in an accidental seedling on a fruit farm in Greenville, O. It fruited successfully the first season, has increased and improved, and is one of the most valuable sorts offered. Very productive. Berries large size; excellent quality, medium texture and color, even and fine; medium to late.



ECHO.

## ECHO.

### The Best Home-Garden Berry.

**Strawberry, Echo.** After testing this new variety with all the leading kinds on our trial grounds, we pronounce it superior to other varieties in both flavor and sweetness and, while it is not a good shipping berry, for the home garden it should be planted in preference to all other varieties. Fruit brilliant red, of medium size, second early, very productive and continues to bear late in the season. Per doz. 50 cents; 100 \$1.50; 1000 \$12.00.

**Marshall.** Of the very largest size, far surpassing in that respect any other, color dark, rich crimson to the core; flesh fine grained and of a delicious flavor, and with the peculiar aroma of the native wild strawberry, from which it is thought to have sprung. The blossom is perfect and needs no fertilization. Plants strong and vigorous. Foliage heavy and thick enough to protect the blossoms from late frosts and the roots from the winter's cold. It is a remarkably fine keeper and carrier, which will commend it to all growers for market.

**Michigan.** A very late berry, of high quality, handsome appearance, large and firm. Form is bluntly conical, exceptionally uniform in size and shape; bright crimson color, with distinct yellow seeds. Strong, healthy grower and very prolific.

**Michel's Early.** Resembles Crescent; plant of very strong growth, with abundant foliage. Fruit firm and ripening early. A very satisfactory market berry in the South.

**Ridgeway.** This variety originated in Indiana, a cross from Jersey Queen and Parker Earle. Fruit large and round, color bright crimson. Quality as good as the best. Will command fancy prices in the market. In yield is fully equal to Parker Earle. It is certainly a promising variety and should have a place in every garden. Doz. 40 cents; 100, 80 cents; 1000, \$5.00.

**Sharpless.** Vigorous and productive, one of the largest known, fine flavor and delicate aroma. Clear red, with smooth surface. Requires a rich, strong soil and good culture.

**Splendid.** This berry is well named. The vines are a rich dark green without a spot of rust or disease of any kind. It is very productive of uniform medium size berries, that are firm and show up well in the package. An excellent shipper.

**Trimbell. (P.)** For the home garden it is a desirable variety, but demands rich soil and good culture. The berries are large, fine shape and fine quality; strong, healthy grower.

**Wilson.** The justly popular old market sort. Its good qualities have outlived hundreds of new varieties. To obtain best results it should be grown on rich, heavy soil. Largely raised for market purposes.

*Our Plants are strong, vigorous, and true to name. We do not substitute as our stock is ample.*



ECHO, TWO-THIRDS NATURAL SIZE.



CLYDE.

# . . . . RASPBERRIES . . . .

There are two general types of Raspberries, and they require different treatment. Blackcaps, and others that increase from the ends of the canes, should be planted three feet by seven,—2,0874 plants to the acre. Prepare the land same as for Strawberries, and mark off in rows three and one-half feet apart. Set the plants in every other row. Cultivate often enough to keep the soil loose and free from weeds. When the canes attain the height of one foot pinch off the end; this causes the cane to branch, grow stocky and self-supporting. In the spring of the bearing year cut these branches back to within six inches of the main stalk. After fruiting, cut out all the dead wood. Red raspberries, and others that sucker, should be set five feet apart each way, when they must be cultivated both ways. Allow only three or four canes in each hill to grow; treat all others that spring up as weeds. When three or four feet high pinch back cane same as with Blackcaps. The secret of raising fine crops of Raspberries is in rigorous pruning and keeping suckers down. If not checked, the tendency is to mat the surface with canes, when very little fruit is secured. For field culture, plant in rows about five feet apart, with plants three and a half feet in the row, except Cap varieties, which should be seven feet by three and a half feet. For garden culture they may be set three feet apart each way, with Caps four by three feet.

If by Mail, add 15 cents per dozen; otherwise by Express, at expense of purchaser.

## THE COLUMBIAN RASPBERRY.

The Columbian Raspberry has made an enviable reputation throughout the country. The health and vigor of the plant, its great productiveness, and the excellence of the fruit, make it the most desirable berry for commerce or the garden. It has stood the test of field culture, and has proved to be a vigorous grower, quite hardy, immensely productive of large sized, and excellent fruit.

### POINTS OF EXCELLENCE.

- 1—A most vigorous grower, canes 10 to 16 feet long, and often over an inch in diameter.
- 2—Roots large and spreading, penetrating the soil to a great depth, enabling it to resist drouth.
- 3—Very hardy. Has endured 28° below zero without freezing.
- 4—Fruit very large, often an inch in diameter; color dark red, bordering on purple; adheres firmly to the stem and will dry on the bush if not picked.
- 5—For canning purposes superior to any other.
- 6—Is the best evaporating berry, retaining color, form and flavor remarkably, and selling for fully one-third more than other berries. The leading produce dealers in the vicinity of Rochester prefer the Columbian to all other varieties, offering 15 cents per pound for the dried fruit for the next three years.
- 7—Wonderfully prolific, yielding over 8,000 quarts per acre; 3,500 bushes produced an average of five quarts each, or 17,500 quarts. Single plants, 10 cts. each; dozen, 40 cts.; 100, \$1.50; 1,000, \$8.00.

## RASPBERRIES—RED.

**Cuthbert.** A valuable late variety for home use or marketing; large, firm and of superior quality; very productive. Per dozen, 35 cents; 100, \$1.00; 1,000, \$6.50.

**Marlboro.** The largest of the early reds, ripening earlier than the Hansell. Similar to the Cuthbert, but is gone before the Cuthbert comes on. Canes dwarfish, fruit very prolific in rich soil. Per dozen, 35 cents; 100, \$1.25; 1,000, \$8.00.

**Loudon.** This Raspberry has been tested in many localities, and practical fruit growers agree that it is an advance beyond the best of the standard varieties. Hardier, better, and far more productive than Cuthbert, and the berries are larger and the drupes longer. Berries firm; bright red; cling to the stem and do not crumble in picking; splendid shipper. Plant vigorous, heavy yielder, and practically thornless. Each, 15 cents; dozen, 45 cents; 100, \$2.00.

**Thompson's Early Prolific.** Unsurpassed for carliness, hardness, vigor, beauty, and quality. A vigorous grower; canes four to six feet high; healthy foliage; productive of large, bright red, firm berries, of good quality. It evidently has no foreign blood in it, but appears to be a hardy native. Per dozen, 35 cents; 100 \$1.25; \$1,000, \$8.00.

## RASPBERRY—YELLOW.

**Golden Queen.** Very productive; fruit large, light amber color; equally as hardy as any other sort. Per dozen, 35 cents; 100, \$1.25; 1,000, \$8.00.

## RASPBERRIES—BLACK.

**Black Diamond.** Sweet, fine flavored; profitable; jet black; heavy yielder; has produced over 5,000 quarts per acre. Each, 15 cents; per dozen, 75 cents; 100, \$5.00.

**Conrath.** Takes the place of Ohio and other medium berries, and must be classed as the most reliable medium berry. Its fruit is large, shiny black, of high quality. In cane it resists anthracnose, is entirely hardy and reliable, and especially valuable for evaporating. Per doz., 60 cents; 100, \$1.75; 1,000, \$9.00.

**Cumberland.** An entirely new and most remarkable black Raspberry, on account of its wonderful size and good qualities. It is thought to be a seedling from the Gregg, with a dash of Blackberry blood in it, but is a true raspberry; very hardy, having withstood a temperature of 16° below zero; very productive, making large crops of enormous berries about one inch in diameter. Fruit unusually firm and may be shipped long distances; in ripening season may be called a mid-season variety, coming in shortly ahead of the Gregg. Plants each, 20 cts.; dozen, \$1.00; 100, \$7.00.

**Gregg.** Very large, fine quality, productive, late, hardy. Doz. 35 cents; 100, \$1.00; 1,000, \$7.00.

**The Kansas.** Early tips will grow from the buds (that in other kinds remain dormant), two to four feet the same fall, uninjured by frost. Stands drouth well; produces more canes and branches, and is much larger than the Gregg; jet black, firm texture. Per doz. 35 cts.; 100, \$1.00; 1,000, \$7.00.

**Ohio.** Fruit large, fine quality and best of Cap sorts for drying. Strong, hardy, productive, late. Per dozen, 35 cents; 100, \$1.00; 1,000, \$7.00.

**Palmer.** Resembles Standard Early "Tyler," but larger and better; recommended for early bearing. Per dozen, 35 cents; 100, \$1.00; 1,000, \$7.00.



COLUMBIAN RASPBERRIES.



CUMBERLAND RASPBERRY.

# BLACKBERRIES.

For field culture, plant in rows six feet apart and plants three feet apart, in the row. For garden culture, five by four feet. Price, per dozen, 30 cents; 100, \$1.50; 1,000, \$10.00; except where noted.

**Blackberry, Agawam.** Hardy and very prolific; fruit sweet and soft to center. Early and reliable sort.

**Erie.** Fruit large, roundish, uniform in size; excellent quality, handsome. A valuable variety for home use or market.

**Kittatinny.** Tender in Northern localities, and for this cause alone hardier sorts have replaced it. South of New York it is uniformly hardy, and in that region it is highly esteemed. Strong grower, very productive. Berries large, handsome and best quality.

**Minnewaska.** Vigorous, quite hardy in this region, very productive; large, jet black shining fruit, uniform size, sweet and soft to center; ripens early, continuing until middle of September. Doz. 50c.; 100, \$2.00; 1,000, \$14.50.

**Rathbun.** (See Novelty and Specialty pages).

**Snyder.** An exceptionally hardy variety. Berries medium size, produced abundantly, sweet, juicy, and when fully ripe without a hard core. Well adapted to the Northwest, where other varieties are injured in severe winters.

**Wilson Junior.** Moderately hardy, will do well in the Southern Middle States and further South. Vigorous grower and very productive; fruit large, good; early.

If by Mail add 15 cents per dozen, otherwise by Express at Purchaser's expense.



RED CROSS CURRANT.

## CURRANTS.

Choose a moist, rich soil for Currants, plant five feet apart each way. Keep free from weeds and grass by liberal cultivation and mulching. Use plenty of manure and trim out superfluous wood by cutting back the new growth two-thirds each year. Keep the foliage quite free from worms by the timely and liberal use of powdered white hellebore.

*These are all strong two-year-old plants and true to name.*

- Current, Cherry.** Large and productive; standard for market. Per doz. 75 cts.; 100, \$3.00.
- Black Champion.** An English variety; fruit large, handsome, and highly flavored; extra good for jams, etc. Per doz. 60 cents; 100, \$3.00.
- Fay's Prolific.** One of the best; very productive; large size; good flavor and bears early. Adapted to light soil. Per dozen 75 cents; 100, \$3.00.
- Lee's Prolific.** Black. Best for all purposes. Early, large and productive. Sweet as a huckleberry. Per doz. 75 cents; 100, \$3.00.
- Pomona.** A new variety, a strong vigorous grower, entirely hardy and comes into bearing profitably the second year after planting. We can recommend this as one of the best red currants. Each 20 cents; doz. \$1.00; 100, \$6.00.
- Red Cross.** A new variety, thoroughly tested and found worthy of introduction. Superior in several essential points. Plants strong, vigorous, remarkably productive. Clusters are large, often measuring four inches in length; berries large and hold large to lower end, being in this respect like the Cherry Currant. Fruit grows in masses, which gives additional facility to gathering. Fruit is of superior quality, being less acid than Cherry, Fay or Red Dutch. Try it and you will be satisfied and pleased. Each 20 cts.; doz. \$1.25; 100 \$7.50.
- Victoria.** A splendid variety, ripening two or three weeks later than the others, and continuing in a fine condition for a long period. Bunches extremely long; berries of medium size, brilliant red and of the highest quality. Per doz. 75 cents; 100, \$3.00.

## GOOSEBERRIES.

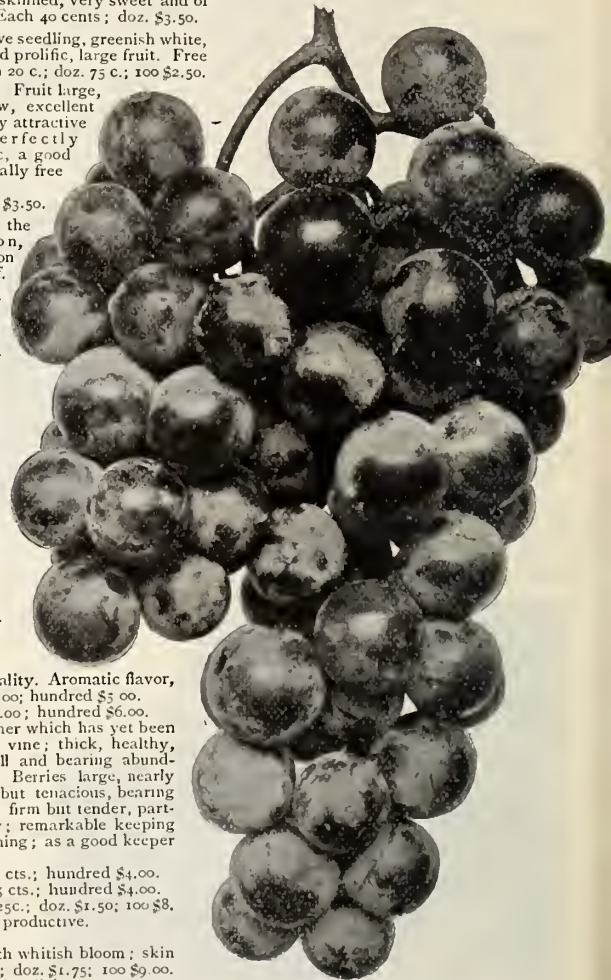
Gooseberries thrive best if planted where they will receive a partial shade. Plant the same distance as Currants. Gross feeder, liking a deep, rich soil

**Gooseberry, Chautauqua.** The new white. Equals the finest and largest varieties in size, beauty and quality. Its fruit is of a beautiful light yellow (nearly white), free from spines and hairs. Thick skinned, very sweet and of exquisite flavor. Each 40 cents; doz. \$3.50.

**Downing's.** A native seedling, greenish white, vigorous, hardy and prolific, large fruit. Free from mildew; each 20 c.; doz. 75 c.; 100 \$2.50.

**Golden Prolific.** Fruit large, deep golden yellow, excellent in quality and very attractive in appearance. Perfectly hardy, very prolific, a good grower, and unusually free from mildew. Each, 40 cts.; doz. \$3.50.

**Pearl.** Grown from the seed of Houghton, crossed with Ashton Seedling, by Prof. William Saunders, and is worthy of special notice because of its good quality, productivity, and freedom from mildew. Each 20 cts.; dozen \$1.00; per hundred \$6.00.



CAMPBELL'S EARLY—one-half natural size.

## GRAPES.

Rows should be eight feet apart, and vines from six to eight feet apart in the row. Dig a hole two feet long, one foot wide and one foot deep. Put a little surface soil in the bottom, and mix in some bone dust or commercial manures, and then place in another thin layer of surface soil. Trim the ends of roots and spread out in hole, covering with surface soil. Cut the vine back to two buds and draw in the earth so as to cover roots and stem up to top bud. Train the vine to a stake for the first two years, and afterwards train on trellis. Keep this in mind, old wood never bears the second time. The vines of this year bear fruit the next. Nine-tenths of the wood should be cut away each season to get the largest and best grapes. *Vines are all strong two-year plants, true to name.*

**Grape, Agawam. (Rogers 15).** Large red, borne in clusters of good size. Excellent quality. Aromatic flavor, peculiar to this variety. Strong growing and very productive. Each 20 cts.; doz. \$1.00; hundred \$5.00.

**Brighton.** Dark red, ripens very early. Desirable variety. Each 20 cents; doz. \$1.00; hundred \$6.00.

**Campbell's Early.** In all respects better adapted to general use than any other which has yet been grown. Twelve years of observation and tests prove it a strong, vigorous, hardy vine; thick, healthy, mildew-resisting foliage; perfect, self-fertilizing blossoms; always setting its fruit well and bearing abundantly. Clusters large, usually shouldered, compact and handsome, not crowded. Berries large, nearly round, often an inch or more in diameter; black with light purple bloom; skin thin but tenacious, bearing handling and shipping admirably. Flavor rich, sweet, slightly vinous. Flesh rather firm but tender, parting easily from its few and small seeds: very early, often showing color late in July; remarkable keeping qualities, hanging upon the vines, sound and perfect, for six weeks or more after ripening; as a good keeper and shipper it is believed to be unequalled. Each 75 cents.

**Catawba.** Large, compact; berries deep red, sweet and juicy; Each 20 cts.; doz. 75 cts.; hundred \$4.00.

**Concord.** Black; most popular and reliable variety cultivated. Each 20 cts.; doz. 75 cts.; hundred \$4.00.

**Delaware.** Excellent quality. Bunch and berry small; light red; sweet, juicy; each 25c.; doz. \$1.50; 100 \$8.

**Lady.** Light greenish yellow skin, bunch and berry good size; early; of good growth; productive.

Each 25 cents; dozen \$1.60; hundred \$16.00.

**Moore's Diamond.** Bunches large, compact, shouldered. Berries large, white, with whitish bloom; skin thin; melting, juicy, sweet to center; strong grower, and abundant bearer; each 25c.; doz. \$1.75; 100 \$9.00.

**Niagara.** Strong vigorous grower; bunch and berries large and of good quality; color light green; very productive. Each 20 cents; dozen \$1.00; hundred \$6.00.

**Pocklington.** White; resembles Niagara; better quality but slower growth. Each 25 cents; doz. \$1.50; hundred \$8.00.

**Worden.** The best black grape, and the most productive and satisfactory of all varieties. Each 20 cents; dozen 75 cents; hundred \$4.50

Currants, Gooseberries and Grape Plants, if by mail add 15 cents per dozen—otherwise by Express at expense of purchaser.

### Number of Plants and Trees to the Acre at Given Distances.

Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.
12 x 1 in	522,720	20 x 1 in	313,635	30 x 16 in	13,068	36 x 30 in	5,808	48 x 24 in	5,445	8 x 8 Ft.	680
12 x 3 "	174,240	20 x 20 "	15,681	30 x 20 "	10,451	36 x 36 "	4,840	48 x 30 "	4,356	10 x 1 "	4,356
12 x 12 "	43,560	24 x 1 "	261,360	30 x 24 "	8,712	42 x 12 "	12,446	48 x 36 "	3,630	10 x 6 "	726
16 x 1 "	392,040	24 x 18 "	15,520	30 x 30 "	6,970	42 x 24 "	6,223	48 x 48 "	2,723	10 x 10 "	459
18 x 1 "	348,480	24 x 24 "	10,896	36 x 3 "	58,080	42 x 36 "	4,148	60 x 36 "	2,901	10 x 10 "	3,630
18 x 3 "	116,160	30 x 1 "	209,088	36 x 12 "	14,520	42 x 42 "	3,556	60 x 48 "	2,178	12 x 5 "	726
18 x 12 "	29,041	30 x 6 "	34,848	36 x 18 "	9,680	48 x 12 "	10,890	60 x 60 "	1,743	12 x 12 "	632
18 x 18 "	15,360	30 x 12 "	17,424	36 x 24 "	7,260	48 x 18 "	7,790	8 x 1 Ft.	5,445	16 x 1 "	2,722
								8 x 3 "	1,815	16 x 16 "	110

## FARM, GARDEN AND FLORAL REQUISITES.

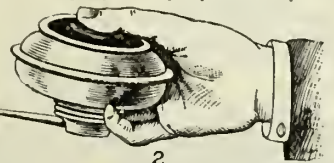
All the Leading Seed Drills, Cultivators and Other Implements Furnished at Trade Prices.

### VICK'S EXCELSIOR INSECT EXTERMINATOR.

Will destroy Striped Fleas, Cabbage Lice, Green Cabbage Worms, Potato Bugs, Aphids, Squash Bugs, etc. Harmless to plants or vegetables. Sure death to all plant insects, particularly the Green Cabbage Worm, for whose ravaging attacks there has hitherto been no known remedy. This powder can be applied most thoroughly, economically and quickly by means of the bellows we have constructed for that purpose. About one-half or three-quarters of a pound of the powder should be placed in the bellows through the cork opening at the side. A single puff over the heart of the Cabbage is sufficient for one application. The bellows can thus be worked as fast as a person would ordinarily walk.

Exterminator 40 cents per pound by mail. In lots of five pounds or over, 25 cents per pound by express at expense of purchaser.

Eight-inch Bellows, \$1.25.  
Twelve-inch Bellows, \$1.50.  
The Bellows can be sent only by express at expense of purchaser.



For use in conservatories and for house plants we offer a small zinc Bellows, as shown in the engraving, in two sizes. No. 1, with one ounce of Exterminator, 20 cents, prepaid. No. 2, with four ounces of Exterminator, 40 cents, prepaid.

TRY IT. IT WILL QUICKLY PAY FOR ITSELF.

The engraving represents the position in which the bellows is held when operating; also a well developed head of Cabbage on which the Exterminator has been used the past season. The leaf in the background was taken from a neighbor's garden, where the plants, though well developed were completely ruined by the Cabbage Worm.



### Vick's Velvet Lawn and Plant Fertilizer.

This is bone reduced to the finest powder or flour with the addition of other chemical substances, forming a combination as a fertilizer of the highest value. It can be recommended for florists' use, or for all who raise pot plants, to mix with the soil, insuring a strong and healthy growth. As the proportion of available phosphoric acid in the bone meal is very large it makes it one of the most valuable fertilizers for lawns. For lawns, use a barrel to one-half an acre. Price, delivered at freight or express office, 20 lbs. 50 cts.; 25 lbs. \$1.00; 50 lbs. \$1.50; bbl., 225 lbs. \$7.00.

### WISS' PRUNING SHEARS.

The new Wiss we consider one of the best in use. Two springs with each pair of shears. Price prepaid.

No. 1, \$2.00

No. 2, 1.90

No. 3, 1.75



### THE "AUTOMATIC" SPRAYER AND FORCE PUMP

Made of nicked brass, galvanized iron tubing extra large air chamber or reservoir, brass spring, pure rubber valves, saucer-shaped, anti-clogging foot with strainer on top, and with the sprays that go with it, warrants us in claiming that it is what has long been needed for all purposes. It will pump from the pail or will carry the material to be used; and with the fine spray carries enough to last 10 or 15 minutes in potatoes, grapes, tobacco, etc. The "Automatic" is otherwise generally useful, is first-class in construction, nicely finished and at the price should be acceptable to all.

The Sprays are among the best known. Price—No. 1, each, \$3.00, delivered at the express or freight office.

### LAWN MOWERS—THE BEST KNOWN—"IMPERIAL" HIGH WHEEL.

These goods are not surpassed by any Lawn Mower in the market. Has a rigid frame, lock adjustment, adjustable hangers. Ratchet is on drive-wheels instead of being on cutter-shaft and will never wear out. In running machine backwards the gears are stationary, hence will last twice as long. Sharpened by simply placing emery oil on knife, and inserting a nail in a hole in lower gear and turning backward—not necessary to take off drive wheels or change machine in the least. Patent noiseless back roller. Attachments for cutting terrace as nicely as the level lawn. The Imperial was the only machine that stood the entire season's mowing at the World's Fair grounds without a repair.

PRICES—High Wheel { 14-inch . . . . . \$7 00 18-inch . . . . . \$ 9 00  
16-inch . . . . . 8 00 20-inch . . . . . 10 00

#### A GOOD CHEAP LAWN MOWER.

To supply the demand for a cheap mower we offer one built by the manufacturers of the Imperial Mower, of the best material and by skilled workmen. The essential points are adjustable brass bushings, flexible bed-knife, noiseless roller, and easy adjustment. Either 14 or 16 inch, only \$4.00.

#### "IMPERIAL" HORSE MOWER.

Both hand and horse Imperial Mowers are used by the United States Government and in the New York City Parks. They come guaranteed to be the best mowers made. Prices, delivered at express or freight office 25-inch \$40.00; 30-inch \$60.00; 35-inch \$75.00; 40-inch \$90.00. Transportation not paid on any mower.

### Makes Flowers Flourish.

Flowers are like People Their health depends upon their food. It must be nourishing, but not too rich to force growth and cause reaction. The one chemically correct flower food for house plants is

### Walker's Excelsior Brand.

It has no odor whatever, and can be used dry or dissolved in water for sprinkling. Use it and your flowers will flourish and their health will last.

Small size (feeds 25 plants 6 months), 25c. large size, (enough for a year), 50c. Sent postpaid anywhere.



### THE LENOX ATOMIZER.

#### A NEW PLANT SPRINKLER.

With this atomizer a fine spray may be thrown under, over or upon the foliage of any plant or shrub, thoroughly drenching the same, and removing dust and insects. Clear water or any liquid insecticide or poison may be applied with it. It is available for house and garden plants, vegetables, shrubs, small trees, fruits, etc. The most effective, convenient, durable and cheapest of all atomizers. 40 cents each by mail postpaid.



Floral Fertilizer, by express, not paid, per package, 10 and 25 cents; by mail, prepaid, 15 and 40 cents.

Garden Trowels, 7-inch, 25 cents; 8-inch, 35 cents.

Garden Lines, solid braid, 100 feet by mail, postpaid, \$1, 200 feet \$2.

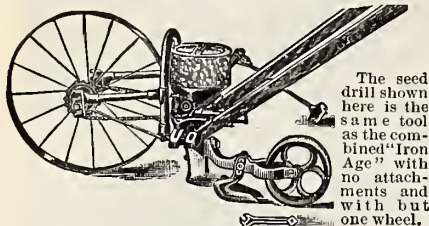
Sulpho-Tobacco Soap, per can, 35 cents.

Whale Oil Soap, 1 lb. box, 25 cents, by mail prepaid.

# THE "IRON AGE" WHEEL HOES AND DRILL. FOR FIELD AND GARDEN WORK.

We have no hesitation in claiming these tools to be the most satisfactory made. They have become immensely popular, because in design and construction they are all right and up-to-date. Are equipped with high steel wheels; tubular frame connected to malleable iron castings—really bicycle construction, and in consequence they are exceedingly light, convenient, easy to handle and very handsome in appearance. We carry a full line of both horse and hand implements and will send an illustrated catalogue, free upon application, which describes all these goods fully. At prices named the implements will be shipped by freight *transportation charges pre-paid east of the Rocky Mountains*. Persons living in this vicinity can see a full line at our Elm Street Store.

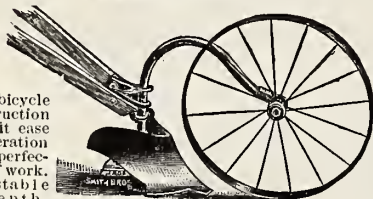
### SEED DRILL.



Price, \$6.50.

The seed drill shown here is the same tool as the combined "Iron Age" with no attachments and with but one wheel.

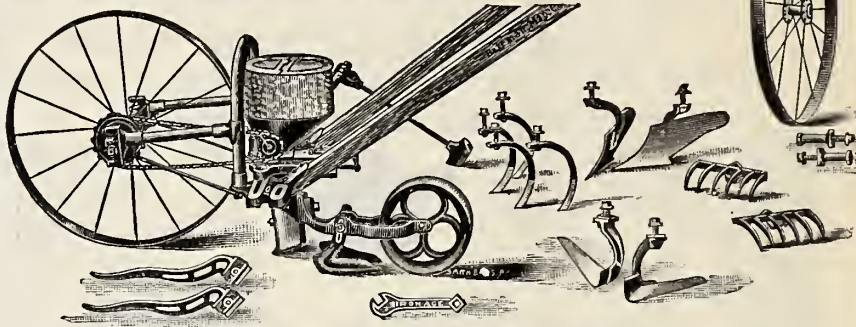
### WHEEL PLOW.



Its bicycle construction gives it ease of operation and perfection of work. Adjustable in depth. Packed weight, 15 pounds. Price, \$2.50.

### SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE.

Almost a counterpart of the Double Wheel Hoe; In addition, its lower price, less weight and increased steadiness given by a **single** wheel, make strong arguments in favor of this tool; valuable for small kitchen garden. The work is done principally between the rows, although plants of small growth can be hoed on both sides at once by placing the wheel on the left side. With this single wheel tool, spaces of exceedingly narrow width can be worked even using but one cultivator tooth. With the large plow attachment, deep furrows can be opened or closed, potatoes, celery and other crops hilled—in short, all work usually accomplished by a special plow. Packed weight, 28 pounds. Price, \$4.50. We also have a weeder attachment for this tool similar to the ones used on the Double Wheel Hoe. A capital thing. Price, 75 cents.

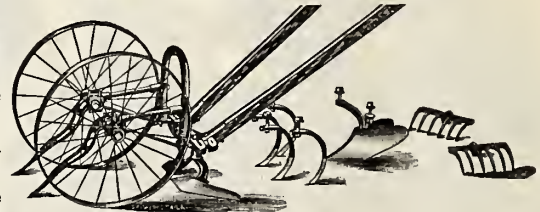


### COMBINED SEED DRILL AND WHEEL HOE.

The most complete implement of the kind; the cut shows it to be a whole tool house of itself; a seed drill, a double wheel hoe, a single wheel hoe, a cultivator, plow and rake; converted into a perfect seeder by the drill attachment, quickly and easily placed in position and simple in operation, no gearing, screws or springs to get out of order. The adjustment for various seeds is perfect, the cam index allowing the seed slide to be instantly adjusted to the slightest variation desired. Labor of operation is reduced to a minimum owing to the light weight of the tubular frame, high wheel, etc. Price, \$9.00.

### DOUBLE WHEEL HOE.

In cultivating onions, beets, turnips, radishes, etc., it is invaluable; saves hours of hard labor, and does the work better than several men could do it. Made into a practical single wheel hoe in a moment's time. Wheels are 16 inches high, enabling the wheel hoe to run easy; combines strength with lightness. All tools shown in the cut go with the machine for the price, \$8.00.



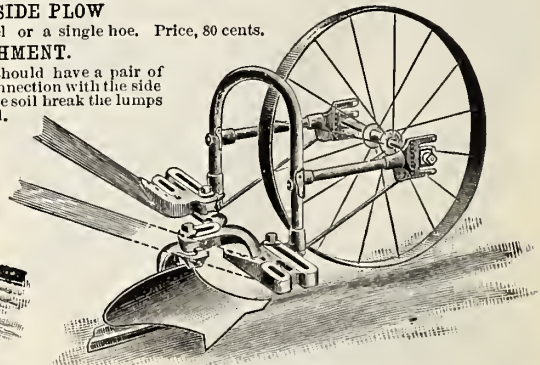
**Plain Double Wheel Hoe.** In order to accommodate those who have only use for the wheel hoe for hoeing, we offer the machine described above, with hoes only, at \$3.50.

### THE LANDSIDE PLOW

May be attached to a double wheel or a single hoe. Price, 80 cents.

### WEEDER ATTACHMENT.

For perfect work every farmer should have a pair of Weeder attachments; used in connection with the side hoes, they thoroughly pulverize the soil break the lumps and keep the land perfectly level. Price of Weeders, per pair, \$1.00.



DOUBLE WHEEL HOE WITH SIDE HOES AND WEEDEER.

THE DOUBLE WHEEL HOE SHOWING LANDSIDE PLOW ATTACHED.

### NEW MODEL SEED DRILL.

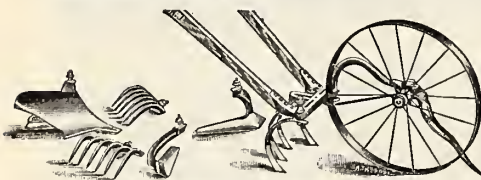
Built in a workman-like manner, of best material. One of the best seed drills in use, and indeed a model in every respect.

**Regulation of Discharge.** This adjustment is accomplished by use of a slide with a pear-shaped opening. This slide can be instantly adjusted to size indicated by index or to a hair breadth variation between.

**Index, or Indicator,** is plain, convenient and reliable. The names of the principal Seeds are plainly shown on the index itself.

**Cut-Off.** The flow of Seeds can be instantly stopped by a swinging cut-off, operated by cord and ring on handle. Some of the largest planters will use no other Drill.

Price, \$7.00.



### WEED SLAYER.

For Many Years the Leading Wheel Hoe.

In offering this tool to the public we are confident from experience and from the testimonials received, that it is superior for the purpose intended, i. e., in the Garden, Flower Beds, Straw-



berries, Gravel Walks, Cutting Sod, Onions, Corn, Sorghum or Potatoes, etc. Cuts Strawberry runners, edges sod, besides anything that any other similar tool can do, regardless of price. Light weight, only 7

pounds, and strong, made of the best steel and iron; adjustable to any height of person; cutting from one-half inch to one and one-half inches under ground and seven inches wide. Price, boxed and delivered at railroad or express office, not prepaid, \$1.50.



**BRASS GARDEN SYRINGE.**



- No. A—12-inch barrel one spray rose and jet . . . . \$2 00
- No. 1—14 “ two spray roses and jet . . . . 3 25
- No. 2—16 “ “ “ “ . . . . 4 40
- No. 3—18 “ “ “ “ . . . . 4 75

Delivered at express office in Rochester.

**BORDEAUX MIXTURE.**

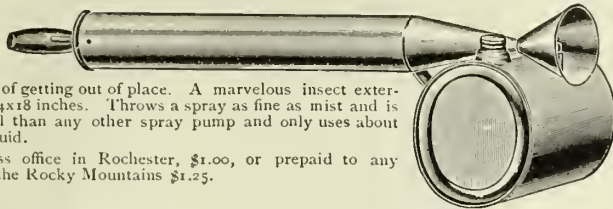
Endorsed by Experiment Stations as reliable and a superior preparation in every respect. This mixture is a scientific preparation and combined in a manner heretofore unknown. **One quart will make fifty quarts** by the addition of forty-nine quarts of water. As little or much can be used at a time as is desired. It is used to prevent Fungus diseases, Leaf Blight, Blight and Scab, Mildew, Rot, &c. &c. Put up in patent, non-corrosive cans and delivered at freight or Express office **Four quarter for 50 cents per quart, \$1.25 per gallon.**

**CYCLONE SPRAY PUMP.**

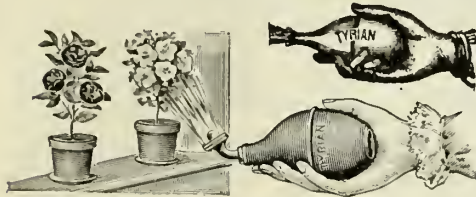
FOR 1899.

Larger Tank and double seamed heads. Tube stationary, so that there is no danger of getting out of place. A marvelous insect exterminator. Cylinder 13-4x18 inches. Throws a spray as fine as mist and is therefore more effectual than any other spray pump and only uses about **ONE-TENTH** the liquid.

Delivered at Express office in Rochester, \$1.00, or prepaid to any Express office East of the Rocky Mountains \$1.25.



**THE TYRIAN ELASTIC PLANT SPRINKLER.**



Made with a flat button, and perforated, detachable top. Is valuable for Winter Gardening, Bouquet Sprinkling, Dampening Clothes, etc.

- No. 1, Large size, with straight neck, by mail, prepaid, . . . \$1 00
- No. 2, Small size, with straight neck, by mail, prepaid, . . . 60
- No. 4, Large size, with bent neck, prepaid, . . . . . 1 15
- No. 6, Small size, with bent neck, prepaid, . . . . . 75

**LANG'S HAND WEEDER.**

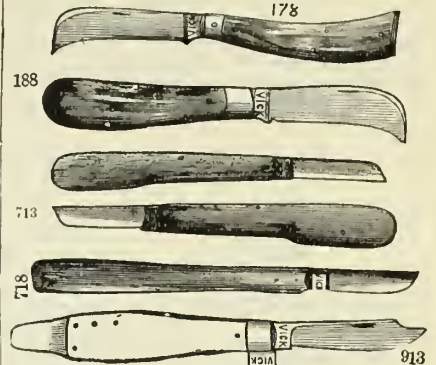


**30¢**  
By MAIL  
PREPAID

**Water Witch Lawn Sprinkler**

Water flows through the nozzle with unimpeded force and is divided and deflected by the two lips of the swivel piece, which causes it to revolve rapidly scattering the water in fine drops evenly over an area of 25 to 40 feet in diameter. Price, with spur to stick in ground, 85 cents each, prepaid.

**PRUNING AND BUDDING KNIVES.**



- |  |                                    |
|--|------------------------------------|
| No. 178, Cocoa Handle Pruning Knife, Steel Cupped, Hook Blade, 2 3/4 inches - -                      | Price by mail prepaid. - - - \$ 90 |
| No. 188, Cocoa Handle Pruning Knife, Round end, Hook Blade, 3 inches - - -                           | - - - 70                           |
| No. 713, Iron Handle Pruning Knife, 3-inch blade - - -   | - - - 50                           |
| No. 718, Propagating Knife - -   | - - - 60                           |
| No. 913, Bench Budding Knife -   | open blade, - - -                  |
| made especially for our own trade for making cuttings; splendid ink eraser or general house knife, - | 20                                 |
| No. 913, Ivory Handle Budding Knife, 2 blades  | 1 00                               |

**OUT O'SIGHT**

**MOLE TRAP.**

**Simplicity Itself.**

It is not complicated, or easy to get out of order, easily set without danger to yourself, can be used in hot beds, or without disturbing runway. Full explanation of habits of moles furnished with each trap. Price, mailed \$1.10, or delivered at Express office, Rochester, \$ .85.



**Vicks Illustrated Monthly Magazine.**



Now in its 22nd year is up to date on all subjects pertaining to Floriculture and gardening; its great popularity and continued success are all the recommendations needed.

**You can depend upon it,** as its statements are true. The articles are boiled down, concise, yet plain and intelligent. Well illustrated with half-tones and other engravings, printed on fine paper; not only ornamental but useful, reliable, practical. Subscribers are invited to ask questions pertaining to gardening or care of plants, to send photos of plants in house, on the piazzas or grounds and to tell of their success or failures in order to help others. It is intended as a monthly chat with our friends. **Let us help one another** through this medium. For years the price has been 50 cents, but to celebrate our Golden Wedding year, and that each of our customers may enjoy these monthly visits we have made the **price only 25 cents.**

Subscribe now or send subscription with order for seeds and plants.

# POPULAR COLLECTIONS.

To all who want Selected Collections of Choice Flower and Vegetable Seeds we can recommend the following assortments. All of the seeds contained in them are our regular-sized packages and first-class in every respect. They give to our customers a good assortment, best adapted to produce a continued succession of the most useful kinds throughout the year.

Several thousands of our Collections are sold annually, and to the same people, which shows that they are perfectly satisfactory. These Collections are put up ready for shipment before the busy season opens, or they could not be sold at these prices.

## FLOWER SEEDS.

No. 1.	No. 2.
<p>Twenty Varieties Choice Annuals, <b>\$1.00.</b></p> <p>Antirrhinum, mixed.....\$0.05 Aster, Truffaut's mixed..... .10 Balsam, Camellia-flow'd, mixed... .10 Calliopsis, mixed..... .05 Candytuft, mixed..... .05 Cockscomb, Vick's New Japan..... .10 Convolvulus Major mixed..... .05 Dianthus, best double, mixed..... .05 Delphinium, Dwarf Rocket..... .05 Eichscholtzia, mixed..... .05 Pansy, extra choice mixed..... .15 Petunia, fine mixed..... .10 Phlox Drummondii, fine mixed... .10 Poppy, mixed..... .05 Portulaca, single..... .05 Sweet Alyssum..... .05 Sweet Mignonette..... .05 Scabiosa, mixed..... .05 Sweet Pea, fine mixed..... .05 Zinnia, double, mixed..... .10</p> <p><b>Making a total of.....\$1.45</b></p>	<p>Forty Varieties Choice Annuals, <b>\$2.00.</b></p> <p>All that are in No. 1 and the following: Acroclinium, mixed.....\$0.05 Brachycome, mixed..... .05 Callendula, Meteor..... .05 Chrysanthemum, mixed..... .05 Cypress Vine, mixed..... .05 Godelia, mixed..... .05 Glaucium corniculatum..... .10 Gypsophila muralis..... .05 Gomphrena, mixed..... .05 Goupsis, mixed..... .05 Helichrysum, mixed..... .05 Marigold, French..... .05 Marvel of Peru..... .10 Maurandya, mixed..... .10 Perennial Pea, mixed..... .10 Salpiglossis, mixed..... .10 Salvia splendens..... .10 Schizanthus, mixed..... .05 Ten Weeks' Stock, large flowering dwarf, mixed..... .10 Tropaeolum, Tom Thumb, mixed... .05 Thunbergia, mixed..... .10 Value No. 1 Collection..... 1.45</p> <p><b>Making a total of.....\$2.95</b></p>

**FOR ONE DOLLAR.**

- No. 3. "Beauteous" Collection of 60 Varieties of the Finest Annuals, Biennials and Perennials..... \$3.00
- No. 4. "Perfection" Collection of 100 Varieties of the Finest Annuals, Biennials and Perennials..... \$5.00

**FOR TWO DOLLARS.**

## VEGETABLE SEEDS.

No. 5.	Trial Garden.
<p>Twenty-Two Varieties, for Small Family Garden, <b>\$1.00.</b></p> <p>½ pint Bean, Golden Wax.....\$ .10 ½ oz. Beet Imp'd Blood Turnip..... .05 ¼ oz. Cabbage Fottler's..... .05 ¼ oz. Carrot, Imp'd Long Orange... .05 ¼ oz. Celery, White Plum..... .05 ¼ pint corn, Perry's Hybrid..... .10 ¼ pint Corn, Evergreen..... .10 ½ oz. Cucumber, White Spine..... .05 ¼ oz. Lettuce Prem. Cab..... .05 ½ oz. Water Melon, Kolb's Gem..... .05 ½ oz. Musk Melon, Prolific Nutm'g .05 ¼ oz. Onion D. Y. Globe..... .05 1 pint Peas, King of Dwarfs..... .25 ½ oz. Parsnip, Hollow Crown..... .05 1 pkt. Pepper, Sweet Mountain..... .05 ½ oz. Radish French Breakfast... .10 ½ oz. Spinach, L. Standing..... .05 ½ oz. Squash, Orange Marrow..... .05 ½ oz. Squash, Hubbard..... .05 ½ oz. Salsify..... .05 ¼ oz. Tomato, Stone..... .05 1 oz. Turnip, P. T. S. L..... .05</p> <p><b>Making a Total of.....\$1.45</b></p>	<p>This Collection embraces 16 Standard Favorites of the leading family garden vegetables, put up in packets for those who have only a small plot for a vegetable garden. One packet each of the following only 50 cents:</p> <p>Beans, Golden Wax.....\$ .10 Beet, Edmands Blood Turnip..... .05 Cabbage, Succession..... .05 Carrot, Danver's Orange..... .05 Corn, Perry's Hybrid..... .10 Cucumber, Green Prolific..... .05 Lettuce, Imp. White Cabbage..... .05 Musk Melon, Champion Market... .05 Onion, Prize Taker..... .05 Parsnip, Hollow Crown..... .05 Peas, King of Dwarfs..... .10 Radish, Early Scarlet Turnip..... .05 Salsify, or Vegetable Oyster..... .05 Squash, Summer Crookneck..... .05 Tomato, Dwarf Champion..... .05 Water Melon, The Boss..... .05</p> <p><b>Making a total of.....\$ .95</b></p>

**Making a Total of.....\$1.45**

It costs no more to procure fresh vegetable seeds, true to name, direct from the grower than it does to buy questionable seeds at the store. We deliver seeds free except where noted. Attention is called to our New Departure in Vegetable Seeds. See page 79.

## Books on the Farm, Orchard and Garden.

- American Fruit Culturist.** By John J. Thomas. Twentieth edition. Revised, enlarged, up-to-date. Contains over 800 pages and 795 illustrations. Practical directions on the propagation and culture of fruit trees and the raising of fruit for market. A complete manual of fruit culture and the standard pomological authority of this country. Cloth. \$2.50
- Asparagus Culture.** Showing best methods of culture for profit as employed in France and England. By James Barnes and Wm. Robinson. 50 cents
- Barry's Fruit Garden.** By P. Barry. A standard work on fruit and fruit trees. Result of 30 years' experience. Illustrated, rev. edition. Cloth, 12mo. \$2.00
- Cauliflowers and How to Grow Them.** By Francis Brill. Plain, practical and explicit directions on cultivation and management. 20 cts
- Garden Making.** By L. H. Bailey. Guide to the daily practice in the garden, whether a city backyard or an enclosure of acres. Contains directions for buildings, fences and hedges; preparation of land, planting trees and shrubs; insects and diseases, tools, laying out grounds, lawn making and planting, pruning trees, raising flowers, vegetables and fruits. Profusely illustrated. \$1.00
- Greenhouse Construction.** By Prof. L. R. Taft. A complete treatise for professionals and amateurs; 100 illustrations and plans. Cloth, 12mo. \$1.50
- Greenhouse Management.** By Prof. L. R. Taft. Manual on the forcing of flowers, vegetables and fruits in greenhouses and the propagation and care of house plants. 400 pages, 128 illustrations, 12 mo., cloth. \$1.50
- Land Draining.** The principles and practice of farm draining. By Manly Miles, M. D., F. R. M. S. The latest ideas in draining are embodied in this work. Profusely illustrated. Cloth, 12mo. \$1.00
- Making a Lawn.** By C. W. Seelye. A little booklet of ten pages giving full directions for preparing the soil, grading, time of planting, mowing and after care. Price 10 cents or free with an order for a quart or more grass seed.
- Market Gardening and Farm Notes.** By Burnet Landreth. Practical experience of value to the American gardener, trucker and farmer. Monthly calendar of operations. \$1.00
- New American Farm Book.** Originally by R. L. Allen. Revised and enlarged by Lewis F. Allen. Treating on all farm and fruit crops, farm animals, buildings, management of soils, manures, and farm topics generally. Cloth, 12mo. \$2.50
- Plant Breeding.** A treatise on the variation of cultivated plants and the manner in which new varieties originate, with directions for the crossing of plants. By Prof. L. H. Bailey. Cloth. \$1.00
- Strawberry Culturist.** By Andrew S. Fuller. Showing the history, sexuality and best culture; how to fertilize, grow from seed, etc. Illustrated. Flexible cloth, 12mo. 25 cents
- The Fertility of the Land.** A summary sketch of the relationship of farm practice to the maintaining and increasing the productivity of the soil. It is the only book which treats the philosophy of farm practice in a modern way, regarding it from the standpoint of the actual farmer. By I. P. Roberts. Fully illustrated. Cloth. \$1.25
- The Rose, Its Cultivation, Varieties, etc.** By H. B. Ellwanger. A valuable book on planting, pruning, propagation, etc. Cloth, 12mo. \$1.25
- The Forcing Book.** By L. H. Bailey. Profusely illustrated. A manual of the cultivation of vegetables in glass houses. Detailed instructions in relation to the construction and management of forcing-houses, preparation of soils, control of insects and fungus diseases; methods of forcing lettuce, cauliflower, radish, asparagus, rhubarb, cucumber, musk melon and other plants. Cloth. \$1.00
- Tomato Culture.** By J. W. Day, D. Cummins and A. I. Root. in three parts. Part first, Tomato Culture in the South. Part second, Tomato Culture for Canning Factories. Part third, Plant Growing for Market, and Gardening in General. Practical book, 135 pages. Paper, 16mo. 35 cents
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- The Soil.** Its nature, relations and fundamental principles of management. By Franklin H. King, Prof. of Ag. Physics, University of Wisconsin. This is one of the Rural Sciences Series, edited by L. H. Bailey. A very clear, accurate and instructive treatise. Cloth, 303 pages. 75 cts
- The Horticulturist's Rule Book.** A compendium of useful information for fruit growers, truck gardeners florists and others. By L. H. Bailey, Prof. of Horticulture in Cornell University. Indispensable to every one who cultivates a garden. 75 cents
- The Spraying of Plants.** The history and principles of the spraying of plants, with specific directions for the spraying of cultivated plants. By E. G. Lodeman, Instructor in Horticulture, Cornell University. Cloth. 75 cents
- Vick's Practical Garden Points.** Twenty-eight prize essays by leading practical writers on practical gardening, small fruits, flowers, asparagus, mushrooms, onions, celery and root crops. A concentrated mine of good things. Paper. 20 cts

**When sending your order, include subscription to Vicks Magazine. 25 cents per year.**

# SEEDS IN BULK.

In the following list we quote prices for seeds by the bushel, (pecks at bushel rates), four quarts and quart, when sent by freight or express *at the expense of the purchaser.* We deliver them at express offices or railroad depots in this city at those rates, bags, packing and cartage free; *but in no case can we prepay the charges unless the amount has been previously advanced to us for that purpose.* On all seeds not included in this list, ordered by express or freight, to be shipped not prepaid, the purchaser may deduct 15 cts. per quart on Beans and Peas, 12 cts. on Corn, and 10 cts. per lb. on all seeds quoted by the pound, from the prices given in the preceding pages. For smaller quantities than here offered see body of catalogue.

## BEANS.

	QUART	4 QTS.	BUSH
Prolific German Black Wax . . .	\$ 20	\$ 65	\$ 4 00
Wardwell's Kidney Wax . . .	20	70	5 00
Extra Early Valentine Wax . . .	20	70	5 00
Vick's Improved Golden Wax . . .	20	65	4 00
Yosemite Mammoth Wax . . .	35	1 00	7 00
Extra Early Red Valentine . . .	20	65	4 00
Long Yellow Six Weeks . . .	20	60	3 50
Extra Early Refugee . . .	30	60	3 50
Burpee's Bush Lima . . .	35	1 00	6 50
Large Lima, extra large seed . . .	30	1 00	6 00
King of the Garden Lima . . .	30	1 00	6 00
Extra Early Jersey Lima . . .	30	1 00	6 00

## CORN-SWEET OR SUGAR.

Vick's Earliest of All . . .	20	60	2 75
Country Gentleman . . .	20	50	2 50
Extra Early Coy . . .	20	50	2 25
Perry's Hybrid . . .	20	50	2 50
Early Minnesota . . .	20	50	2 25
Crosby's Early . . .	20	50	2 25
Stowell's Evergreen . . .	20	50	2 50

## PEAS.

Vick's Extra Early . . .	25	60	3 00
Alaska . . .	20	50	2 50
Stratagem . . .	25	75	4 00
The Charming . . .	25	75	4 00
King of the Dwarfs . . .	25	60	3 25
Bliss' American Wonder . . .	25	60	3 50
Not's Excelsior . . .	25	60	3 50
Extra Early Premium Gem . . .	25	60	3 00
McLean's Advancer . . .	20	50	2 75
Hirsford's Market Garden . . .	20	50	2 75
Bliss' Everbearing . . .	20	50	2 75
Bliss' Abundance . . .	20	50	2 75
Yorkshire Hero . . .	20	50	2 75
Champion of England . . .	20	50	2 50
Telephone . . .	25	75	4 00
Pride of the Market . . .	25	75	4 00
Tall Melting Sugar . . .	25	75	4 00

## PEAS.

	QUART	4 QTS.	BUSH
Black-eyed Marrowfat . . .	15	40	2 00
White Marrowfat . . .	15	40	2 00
Field, for sowing broadcast . . .			1 25

## BEEF.

	LB.
Egyptian Blood Turnip . . .	\$ 35
Eclipse, Extra Early . . .	35
Extra Early Bassano . . .	35
Edmand's Blood Turnip . . .	35
Improved Early Blood Turnip . . .	30
Lentz Early Turnip . . .	35
Long, Smooth Blood Red . . .	35
Imperial White Sugar . . .	25
Mangel Wurzel, Vick's Mammoth Long Red . . .	25
" " Golden Giant, new, great cropper . . .	25
" " Golden Tankard . . .	25

## CABBAGE.

Early Jersey Wakefield . . .	1 50
Improved Early Summer . . .	1 50
All Seasons . . .	1 50
Fottler's Improved Brunswick . . .	1 30
Henderson's Succession . . .	1 50
Premium Late Flat Dutch . . .	1 25
Mammoth Rock Red . . .	1 75

## CARROT.

Chanteauy . . .	50
Danvers Orange . . .	50
Improved Long Orange . . .	50
Guerrande, or Oxcheart . . .	50

## CUCUMBER.

Early White Spine . . .	40
Chicago Pickling . . .	40
Green Prolific . . .	40
Improved Long Green . . .	40

## ONION.

	LB.
Danvers Yellow Globe (Home grown) . . .	1 35
California Yellow Globe . . .	1 00
Prize Taker, Yellow Globe, Spanish . . .	1 40
Red Wethersfield . . .	1 00
Extra Early Red Flat . . .	1 10
Southport Red Globe . . .	2 65
Southport Early Red Globe . . .	2 10
White Globe . . .	2 60
American Silver Skinned . . .	2 60

## PARSNIP.

Improved Guernsey . . .	35
Long Hollow Crown . . .	35

## RADISH.

Vick's Early Scarlet Globe . . .	60
Early Scarlet Turnip . . .	40
French Breakfast . . .	40
Long Scarlet Short Top . . .	35
Beckett's Charter . . .	40
Black Spanish Round Winter . . .	50
California Mammoth White Winter . . .	50

## SQUASH.

Mammoth Summer Bush Crookneck . . .	50
Hubbard . . .	50
Essex Hybrid . . .	40

## SPINACH.

Improved Thick-Leaved or Long-Standing . . .	25
Round Large-Leaved or Viroflay . . .	20
Blooddale Savoy Leaved . . .	20
Prickly or Fall . . .	20

## TURNIP.

Purple Top, Strap-Leaf . . .	30
Purple Top, White Globe . . .	30
Orange Jelly or Golden Ball . . .	30

## RUTA BACA.

Vick's Imperial Purple Top . . .	30
White Sweet Russian . . .	30

## HINTS ON SOWING SEEDS AND TRANSPLANTING.

**Seed Sowing.** In seed sowing a great deal of skill can be acquired, and those who know least about it are the ones who usually are loudest in their complaints about bad seeds. It is an advantage with many kinds of seed to sow them early, as in the case of onions which should be sown as early in spring as the ground can be prepared, but cucumbers and egg plants must wait until the ground is warm. Lettuce seed may be scattered on the snow or frozen ground, and as a result will give an early crop, but little zinnia plants would perish in the cold, even if the seeds germinated when treated the same way.

**When to Sow Seeds.** Although, as has been shown, some kinds may be put into the ground very early, yet as a rule, seed sowing cannot be safely done until frost is all out of the ground and the upper soil has become warm. Some people are so anxious to make their gardens that they do not wait until it is warm enough, and every spring a great many seeds are sown which start and are then cut down by the frost.

**Depth to Sow Seeds.** For all seeds the soil should be mellow and for small seeds the surface should be raked very fine. An old rule with gardeners is to cover seeds so that the soil over them shall be twice the thickness of the seed. But something depends on the character of the soil; if it is clayey and liable to bake it is a good plan to have some sand to spread over the seeds, as this will allow the young plants easily to push through. After planting press down and firm the soil over the seed.

**Grass Mulch for Seeds.** When fine seeds are to be sown and dry weather or a hot sun is to be feared, it is well to place some short clippings of grass or some such material over the rows; when the little plants start this mulch can be drawn aside a little. At all times seek to secure for the seeds sufficient warmth and moisture.

**Sowing Seeds Under Glass.** With many kinds of flowering plants and vegetables it is not best to wait until the weather is favorable to sow the seed in the open garden, for much better results can be obtained if they are sown earlier and the plants are large enough to put out when the fine weather comes, for our seasons are too short to allow of any long time to wait for the plants to grow. For this reason we sow seeds in a propagating house or greenhouse, or in boxes in the window, or in a hotbed or coldframe, in some place where the plants can be protected while it is yet cold, and yet have a temperature in which they will thrive.

**Hotbeds.** Care is required to prevent scorching the young plants. In bright days the heat is intense inside the frame, and unless air is freely given, or some course taken to obstruct the rays of the sun, mostly likely a great portion of the plants will be ruined. When the sun gets pretty warm give the glass a thin coat of whitewash. This gives a little shade, and, with some air during the middle of the bright days, will make all safe. The hotbed is made by forming a pile of horse manure with the straw used for bedding, or leaves, some three feet in height. Shake all together, so that straw and manure will be equally mixed. It

may be sunk in the ground a foot or eighteen inches, or made on the surface. On this place about five inches of good mellow soil. Then set frame and keep it warm until fermentation takes place and the soil is quite warm. It is better to wait a day or two after this and then sow the seeds.

**Coldframe.** Some of the advantages of a hotbed can be secured by a coldframe. This is simply a frame with sash, the same as employed for a hotbed, placed upon a bed of fine mellow earth, in some sheltered place in the garden. The heat of the sun warms the soil, and, as the air is confined, the warmth and moisture cannot escape. After the frame is secured in its place a couple of inches of fine earth should be placed inside and the frame closed for a day or two before the seeds are planted. As the coldframe depends upon the sun for warmth, it must not be started as soon as the hotbed, and in this latitude the latter part of April is soon enough. Plants will then be large enough for transplanting to the open ground as soon as danger from frost is over, and, as a general thing, they will be harder and better able to endure the shock of transplanting than if grown in a hotbed. A frame of this kind anyone can manage. Watering occasionally will be necessary; and air must be given on bright, warm days. Shade also is necessary.

**Hand-Glasses.** A frame, or box, with a couple of lights of glass on top, prevents the drying of the surface of the ground, and affords the plants shelter from sudden changes, cold storms and frosty nights. Seeds may be sown in the house in pots, or boxes, but the greatest difficulty is that the soil dries very rapidly in them, and young plants are apt to suffer. A very good plan is to cover the pot with a pane of glass, removing it occasionally for air. Where very fine seeds are sown in pots, the watering, unless carefully done, generally results in great injury. A wet paper placed over the top of the pot will afford moisture enough for the germination of fine seeds. If pots are used it is well to sink them to the rim in a box of moss, or something of the kind, that will hold moisture, and prevent the drying of the earth in the pots. A shallow box may be used to advantage, sowing the seed carefully in narrow drills.

**Transplanting.** All the operations of the garden should be done with neatness; no crooked irregular rows are admissible. After plants in the seed-beds have obtained their second leaves and made an inch or two in growth, they should be moved to the garden beds or border. This should be done on a dull day if possible, if not, the plants may require shading after removal until they become established. In transplanting in dry weather, always give the plants as they stand in the seed bed a good soaking with water, and also the soil to which they are removed, an hour or so before removal. In removing, disturb the roots as little as possible.

These helps are intended mainly for tender or half hardy annuals. The hardy annuals may be sown where they are to flower, though, with the exception of a few varieties difficult to transplant, it is best to sow all in a seed bed.

## PREMIUMS AND DISCOUNTS.

Our crop of fresh seeds, that contain the germ of life, are all in stock, and we are in shape to fill orders in January quite as well as in March or April, therefore do not delay sending order; better send it early when we have more time to answer questions.

Should your order be delayed till the last of April or first of May, do not then run to the store and accept any seeds that may have been floating around the country for years. It is better to delay another day or two and have seeds that will give satisfaction.

Persons sending \$ 1.00	may select seeds amounting to \$ 1.25	Persons sending \$ 4.00	may select seeds amounting to \$ 5.40
" " 2.00	" " " " 2.55	" " 5.00	" " " " 6.75
" " 3.00	" " " " 3.90	" " 10.00	" " " " 14.00
Persons sending \$15.00 may select seeds amounting to \$21.00			

It must be understood that these premiums and discounts are allowed **only on Flower and Vegetable Seeds by the Packet and Ounce**, and not on seeds by the **Pound**, nor on **Bulbs nor Plants**; nor can we pay this discount in **Bulbs and Plants**, or seeds by the **pound**. Otherwise it would bring the price far below the cost.

The seeds will be put together and sent to one address, or in separate packages, and mailed to the address of each individual forming the club. In all cases the postage will be prepaid. The same deduction will, of course, be made to any person ordering for himself alone.

### PLANTS FOR SPECIAL PURPOSES.

#### FOR CONSTANT AND BRILLIANT BLOOM.

Sweet Alyssum, Cannas, Calliopsis, Eschscholtzia, Scarlet Geraniums, Nasturtium, Petunia, Phlox Drummondii, Portulaca, Sweet Peas, Verbena, Double Zinnia.

#### LOW-GROWING PLANTS FOR MASSES OF COLOR.

**White**—Sweet Alyssum, white Ageratum, white Brachycome, white Candytuft, Godetia Bijou and grandiflora white, Vick's double white Phlox Drummondii, white Portulaca, dwarf Snowball, white Verbena.

**Blue**—Ageratum, especially Swanley blue, Dwarf Gem and Tapis Bleu; blue Brachycome, Heliotrope, Lobelia, blue Verbena.

**Red**—Carmine and crimson Candytuft, Gaillardia, Geranium, Lady Albarle and Whitneyi Godetias, Phlox Drummondii brilliant scarlet, Phlox grandiflora scarlet and Dwarf Fireball, Poppy, red Portulaca, Tropæolum King of Tom Thumbs and Carter's Tom Thumb and crimson varieties if desired, red Verbena.

**Yellow**—Gaillardia, orange and yellow Eschscholtzia, French Marigold and especially the variety Tagetes signata pumila, Portulaca aurea vera, Partridge Pea, yellow and Lady Bird Tropæolum, California Yellow Bells.

#### PLANTS FOR WINDOW BOXES.

Abutilon, Sweet Alyssum, Aspidistra, Begonia, California Yellow Bells, Fuchsia, Geranium, Grevillea robusta, Ivy Geranium, English and German Ivy, Lobelia, Maurandya, Mignonette, Petunia, Schizanthus, Thunbergia, Torenia, Tropæolum.

#### PLANTS FOR VERANDAS.

Abutilon, Begonia, Dracena, large specimens of Fuchsias, Grevillea robusta or Silk Oak, large specimens of Geraniums and especially fragrant-leaved varieties, Hydrangea in all the Japanese and Chinese varieties including Red Branched, India Rubber tree, Otaheite Orange, Palms, Wax Plant.

#### TALL FOLIAGE PLANTS.

A handsome bed may be made with the following large plants: Center of Ricinus, surrounded with a circle of Cannas, around these a circle of Caladium esculentum, and next a circle of Achyrathes, and then one of Coleus. Much skill can be shown in selection of varieties.

#### PLANTS FOR CEMETERIES.

Anemone Whirlwind and Japonica, Astilbe Japonica, Achillea the Pearl, Alpine Aster, Eulalia, Gold Flower, Hemerocallis aurea and H. flava, Hydrangea paniculata grandiflora, Lilies, Lily of the Valley, Day Lily or Funkia alba, Chinese Peonies, Polyantha roses, Wichuriana or Memorial Rose, Madame Plantier Rose, Spirea Van Houtti, Vinca minor.

#### DWARF PLANTS FOR EDGINGS AND BORDERS.

Ageratum, Sweet Alyssum, Anagallis, Alternanthera, dwarf Candytuft, Coleus, double Daisies, golden Feverfew, Little Gem Feverfew, Glanucium corniculatum, Heliotrope, Lobelia, Mignonette, Myosotis, Oxalis lasiantha and O. Deppii, Pansies, dwarf varieties of Phlox Drummondii, Pinks, Saponaria calabrica, Veronica, Vinca, Violets.

#### FRAGRANT FLOWERS.

Asperula odorata, Sweet Alyssum, Candytuft, Carnation, Clematis paniculata, Honeysuckle, Heliotrope, Lily of the Valley, Lily, Mahernia odorata, Mignonette, Mirabilis, Nicotiana affinis, Pansy, Sweet Peas, Pink, Rocket, Rose, Sweet William, Ten Weeks Stock, Tropæolum, Tuberosa, Verbena, Violet, Wallflower.

#### PLANTS FOR SUMMER HEDGE.

Argemone, tall varieties of Aster, Calliopsis, Cama, Dahlia, Datura, Eulalia, Euphorbia heterophylla and E. marginata, variegated Grasses, Hollyhock, Lupinus, tall varieties of Marigold, Mirabilis, Sweet Peas, Rambler Roses, Ricinus, dwarf Sunflowers, tall Sunflowers.

#### ORNAMENTAL-LEAVED PLANTS.

Amaranthus Sunrise, A. salicifolius and A. tricolor, Abutilon Souvenir de Boum, Achyrathes, Anthericum, Aspidistra, Begonias, Cama, Caladium esculentum, Coleus, Euphorbia heterophylla and E. marginata, Eulalia of different varieties, Ficus, Ficus elastica, Glanucium corniculatum, Grevillea robusta, variegated-leaved Geraniums, Othonna, Perilla Nankinensis, Palms, Ricinus, Smilax, variegated-leaved Vinca.

#### PLANTS FOR RIBBON BEDS.

Ageratum, Sweet Alyssum, Achyrathes, Alternanthera, Coleus, Cuphea platycentra, Geranium, Heliotrope, Lantana, Lobelia, Portulaca in colors, Ten Weeks Stock in colors, Verbenas in colors.

#### CLIMBING PLANTS.

Ampelopsis, Aristolochia, Adlumia cirrhosa, Bignonia radicans, Convolvulus major, Cobæa scandens, Cypress vine, Clematis, Cardiospermum halicacabum, Chinese Matrimony Vine, Chinese Yam or Cinnamon Vine, Dolichos, the Gourd family, Humulus Japonicus, Honeysuckle, Ipomœa of different varieties and especially I. bona nox and I. pandurata and the Brazilian Morning Glory, English Ivy, Loasa, Maurandya, Perennial Peas, Sweet Peas, Climbing Roses, Solanum jasminoides grandiflorum, Thunbergia, Tropæolum majus, Wistaria.

#### PLANTS FOR VASES AND BASKETS.

Ageratum, Sweet Alyssum and A. double white and variegated, Anthericum vittatum variegatum, Abutilon, Artillery plant, Begonia, Cama, Cobæa, Coleus, Cuphea platycentra, Dracena indivisa, Fuchsias, Grevillea robusta, Geraniums, Heliotropes, Lobelia, Lantana, Mimulus, Myosotis, Maurandya, Manettia vine, Mexican Primrose, Madeira vine, Nolana, Nierembergia gracilis, Oxalis floribunda alba and O. f. rosea, Othonna, Portulaca, Petunia, Rivina humilis, Schizanthus, Solanum jasminoides grandiflorum, Tropæolum, Thunbergia, Torenia Fournieri and T. Baillonii variegated forms of Vinca major, Veronica, Vinca Harrisonii.

#### SEEDS FOR CHILDREN'S GARDEN.

Aster, Balsam, Brachycome, Calliopsis, Candytuft, Centaurea, Convolvulus minor and C. major, Delphinium annual varieties, Eschscholtzia, Four-o'clock, Gaillardia, Lupinus, Marigold, Mignonette, Nigella, Pansy, Sweet Peas, Petunia, Portulaca, Phlox Drummondii, Poppy, Salpiglossis, Sensitive Plant, Tropæolum Tom Thumb, Zinnia.



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ROCHESTER, N. Y.