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VICK'S

GARDEN
AND
FLORAL



GUIDE

Golden Day Lily.

1898.



...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, Dominion of Canada, Jamaica, Barbadoes, Mexico, and the Bahamas, 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.

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, nor to miscellaneous articles.** See special notice on shipping potatoes and heavy goods in novelty pages.

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 yourselves 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.*

Our Customers in Canada.—There is a duty on some Seeds sent from the United States to 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.

Foreign Countries.—On packages for Bahamas, Barbadoes, Colombia, Costa Rica, Danish West Indies, Hawaiian Kingdom, British Honduras, Jamaica, Leeward Islands, Mexico, and Salvador, 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" (Yellow), 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.—1st. If your Post Office is a Money Order Office, send a money order which will cost as follows; Sums not exceeding \$2.50, 3 cents; over \$2.50 and not exceeding \$5.00, 5 cents; over \$5.00 and not exceeding \$10.00, 8 cents.

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

Express Money Order.—2d. 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.—3d. A DRAFT ON NEW YORK can be obtained at any Bank, and this is sure to come correctly.

Registered Letter.—4th. 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 1897, and to others who are interested in a good garden, upon application. If any customer wishes to receive the Guide, please send Postal Card, stating the full name and address.

Don't Forget to Write

id State.

TUBEROUS BEGONIAS. 5 for only 50 cts

FOUR SINGLE, RED, ROSE, WHITE AND YELLOW
AND ONE DOUBLE OF EITHER OF
THESE COLORS.

See page 6 for
full particulars.



Sinclair & Co.
ROCHESTER, N.Y.

BEAUTY
COLLECTION
CACTUS
DAHLIAS

RIVALING
CHRYSANTHEMUMS
IN
BEAUTY.



- 1 WILLIAM AGNEW . . . 30¢
- 2 CLIFFORD W. BRUTON . . . 50¢
- 3 HENRY PATRICK . . . 20¢
- 4 ZULU . . . 20¢
- NYMPHÆA (PINK) . . . 20¢
- CONSTANCE (ORANGE) . . . 20¢

This
Collection of
6 MAGNIFICENT DAHLIAS | 6 FOR ONLY \$1.00
ONLY 4 ARE SHOWN IN PLATE. (See page II.)

Stokes Silbala
ROCHESTER

.. GREETING

IN offering the *GUIDE* for 1898 we can confidently say that the stock which it represents is richer and of greater variety than that of any collection ever before offered to our customers.

The Seed Stock.

The seed stock is fresh and pure and has been selected with special reference to its high quality. The vegetable seeds are the choicest that can be procured, and the private gardener as well as the commercial grower may rely upon them to yield the finest products. No expense has been spared to secure seeds of the choicest strains, and we do not hesitate to say that they sustain all claims and descriptions given in this issue of the *GUIDE*.

The Market Grower.

The market grower to succeed must supply himself with the choicest seeds, otherwise his work will prove a failure.

Not Cheapness But Excellence.

In the purchase of seeds the commercial grower looks for quality. Failing in this point he fails in all. We could offer our customers seeds at lower prices; there is no difficulty in finding cheap seeds, but the stock here offered has been brought together with the questions of purity and excellence kept strictly in view, knowing that the intelligence of our customers, and especially those who have longest used Vick's seeds, will not allow them to base their decisions of purchases upon cheapness.

The Reliable Seedsman.

With the great competition now existing in the trade, the question with the reliable seedsman is not how prices may be lowered, but how the quality of the stock may be sustained. Having this principle in view we have sought to promote the interests of our customers and maintain an honorable reputation.

We aim to Advance.

Thus, as horticultural advances continue to be made, we shall expect every succeeding season to be able to report a gain in the quality of our stock, and virtually to be actuated by the spirit of the grand motto of the great Empire State, "EXCELSIOR."

The statements made in regard to vegetable seeds apply with no less force to our stock of flower seeds. The necessity for their purity and excellence is no less, and the same care has been exercised in selecting and preparing the many varieties now offered. In prosecuting this work we have borne in mind the wants, fancies and tastes of thousands of amateur cultivators operating under the conditions of a great variety of climates and soils, and of the necessities of commercial flower growers whose money interests are, perhaps, quite as great as those of vegetable growers.

Flower Seeds.

With a knowledge of the excellence of this stock we have no hesitation in inviting all our customers, and all other plant growers, to a share in its distribution, as we are confident that by so doing purchasers will conserve their true interests. In making selections customers should study carefully the descriptions, which are as accurate as they can be made in the space at command. If any point in relation to a variety, or to terms of sale, is not understood, inquiry should be made by letter, which will receive immediate reply.

General Invitation.

The plants which are to be sent out this season consist of the choicest of the older varieties and the most desirable and attractive of new ones. All of them have been thoroughly tested and are known to be as described. They have not been selected on account of any one feature, but for a combination of qualities that assure satisfaction and popularity. Those, therefore, who are beginners, and have not had experience in the selection or growing of plants, in ordering from our list may feel certain of obtaining the most desirable varieties.

Plant Stock.

The new varieties, both in seeds and plants which are for the first time offered, will be found of high merit. The novelties of last year have again proved entirely satisfactory. We invite our friends to carefully look over the first thirty-two pages of this work, which contain our list of novelties and specialties. These have all been tried and found worthy of a place in our gardens.

Our Novelties.

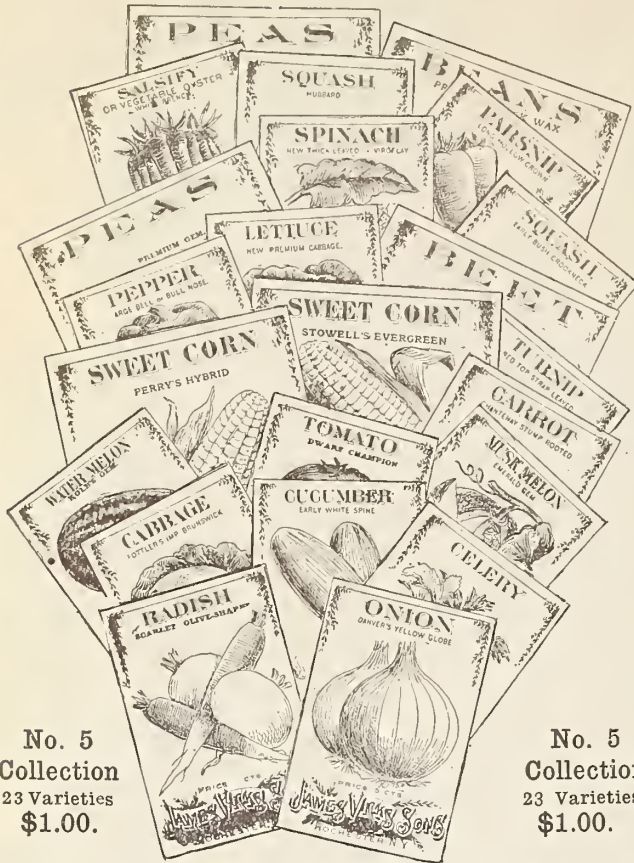
.... FIFTIETH ANNIVERSARY

Next year, 1899, we expect to celebrate the semi-centennial of our business, and we hope this season to hear from all our old customers, renewing acquaintance and good fellowship. There are now probably but few who can remember our honored father, the founder of our business, or his first writing about flowers in the old publication, the *Genesee Farmer*, published in this city half a century since. He was the first to publish an illustrated seed catalogue and to use the agricultural and other publications to acquaint the public with the best varieties of both vegetables and flowers. We do not propose now to enter into detail on this subject, but merely to announce the prospect of a "golden wedding"—fifty years in our relation to the public; together we have hoped and worked in sunshine and in shadow, each successive season, although there have been cares and disappointments and partial failures, yet withal there has been a fruition of beauty and joy until now the love of flowers is a powerful impulse in the refinement of our people and their culture is widespread throughout the land. This mention of a golden wedding is not made with the expectation of receiving presents from our friends, but on the contrary we propose to give all of our patrons of 1898 a handsome souvenir of our anniversary at the opening of the year 1899. Being anxious to secure a complete list of our old customers to print in our "Golden Wedding" issue, also to decide who is the oldest customer that we may present him or her with a special souvenir, we request all who did business with our house over twenty-five years ago, to mention as near as possible the date of their first order, when writing this spring.



POPULAR COLLECTIONS.

FLOWER SEEDS.



**No. 5
Collection**
23 Varieties
\$1.00.

**No. 5
Collection**
23 Varieties
\$1.00.

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 thousand 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 seasons opens, or they could not be sold at these prices.

No. 1.
Twenty Varieties Choice Annuals,
\$1.00.

Antirrhinum, mixed.....	\$.05
Aster, Truffant's mixed.....	.10
Balsam, Camellia-flowered, mixed.....	.10
Calliopsis, mixed.....	.05
Candytuft, mixed.....	.05
Cockscorb, Vick's New Japan.....	.10
Convolvulus Major, mixed.....	.05
Dianthus, best double, mixed.....	.05
Delphinium, Dwarf Rocket.....	.05
Eschscholtzia, mixed.....	.05
Pansy, extra choice mixed.....	.15
Petunia, fine mixed.....	.10
Phlox Drummondii, fine mixed.....	.10
Poppy, mixed.....	.10
Portulaca, single.....	.05
Sweet Alyssum.....	.05
Sweet Mignonette.....	.05
Scabiosa, mixed.....	.05
Sweet Pea, fine mixed.....	.05
Zinnia, double, mixed.....	.10

Making a total of.....**\$1.45**
FOR ONE DOLLAR.

No. 2.
Forty Varieties Choice Annuals,
\$2.00.

All that are in No. 1 and the following:

Acroclium, mixed.....	\$.05
Brachycome, mixed.....	.05
Callandula, Meteor.....	.05
Chrysanthemum, mixed.....	.05
Cypress Vine, mixed.....	.05
Godetia, mixed.....	.05
Glancium corniculatum.....	.10
Gypsophila muralis.....	.05
Gomphrena, mixed.....	.05
Gourds, mixed.....	.10
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

Making a total of.....**\$2.95**
FOR TWO DOLLARS.

No. 3. "Beautious" 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**

VEGETABLE SEEDS.

No. 5.
Twenty-Three Varieties, for Small
Family Garden.
\$1.00.

1 pa. Beans, Wax or Butter.....	\$.10
1 " Beet, Eclipse.....	.05
1 " Cabbage, Fottler's Improved Brunswick.....	.05
1 " Carrot, Chantenay.....	.05
1 " Celery, White Plume.....	.05
1 " Corn, Perry's Hybrid.....	.10
1 " Evergreen.....	.10
1 " Cucumber, Early White Spine.....	.05
1 " Lettuce, Premium Cabbage.....	.05
1 " Musk Melon, Emerald Gem.....	.05
1 " Water Melon, Kolb's Gem.....	.05
1 " Onion, Danvers Yellow Globe.....	.05
1 " Peas, Premium Gem.....	.10
1 " Champion of England.....	.10
1 " Parsnip, Hollow Crown.....	.05
1 " Pepper, Large Bell.....	.05
1 " Radish, Scarlet Olive-shaped.....	.05
1 " Spinach, New Thick-leaved.....	.05
1 " Squash, Bush Crook-necked.....	.05
1 " Hubbard.....	.05
1 " Salsify (Vegetable Oyster).....	.05
1 " Tomato, Dwarf Champion.....	.05
1 " Turnip, Strap-leaf, Red-top.....	.05

Making a total of.....**\$1.40**
FOR ONE DOLLAR.

No. 6.
Forty-Six Varieties. All Leading
Vegetables.
\$2.00.

All that are in No. 5 and the following:

1 pa. Beet, Egyptian.....	\$.05
1 " Beans, Long Yellow or Six Weeks.....	.10
1 " " Lima, King of Garden.....	.10
1 " Cabbage, Wakefield.....	.10
1 " " All Seasons.....	.05
1 " Celery, Golden Self-Blanching.....	.10
1 " Cucumber, Long Green.....	.05
1 " Egg Plant, New York Purple.....	.10
1 " Lettuce, Improved White Cabbage.....	.05
1 " " Early Hausion.....	.05
1 " Onion, Wethersfield Red.....	.05
1 " " White Portugal.....	.05
1 " Peas, Vick's Extra Early.....	.10
1 " " American Wonder.....	.10
1 " Parsley, Moss Curled.....	.05
1 " Pepper, Sweet Mountain.....	.05
1 " Radish, Scarlet Turnip.....	.05
1 " " Chartier (long).....	.05
1 " Spinach, Long Standing.....	.05
1 " Sage.....	.05
1 " Summer Savory.....	.05
1 " Tomato, Livingston's Favorite.....	.05
1 " Turnip, Orange Jelly.....	.05
Value of No. 5 collection.....	1.40

Making a total of.....**\$2.90**
FOR TWO DOLLARS.

No. 7. "Giant" Collection (\$4.00 worth) of Finest Varieties of Vegetables for Family Garden.....**\$3.00**
No. 8. "Mammoth" Collection (\$6.50 worth) of Finest Varieties of Vegetables for Family Garden.....**\$5.00**

The great big directory of everybody, everywhere, does not mention the name of anybody of any size or age who does not love flowers.



THE FAMOUS FLORAL AUTHORITY

is a veritable mine of information about Flowers and Vegetables, how to grow and care for them successfully, whether in a limited city lot or larger village garden. A farm home may be brightened at a slight expense and the grounds made attractive, instead of bare and forbidding. Everybody in and around your home will be made better with beautiful flowers, luscious fruits and wholesome vegetables. VICKS MAGAZINE tells you all about them.

We have hundreds of letters from subscribers claiming that one article in the MAGAZINE has more than paid for the subscription.

This charming educational MAGAZINE will be sent direct to your home for 50 cents per year, or with premiums as stated on page 9.

50 C. per year

VICK'S Illustrated Monthly Magazine

BRIEF
USEFUL.
RELIABLE.
PRACTICAL.
INDISPENSIBLE.
RIGHT TO THE POINT.
CONCISE.
BOILED DOWN.
ORNAMENTAL.

Printed on fine book paper.
A Garden magazine containing just what you want to know.
Filled with illustrations, many photographed from life.
Departments of Kitchen Garden, Window Gardening, Letter Box, Plant Notes, Buds and Fruits, Family Cozy Corner, Foreign Notes, etc.
The issue for 1897 was the best ever published, but our plans for 1898 will make it better.

New and rare Trees, Fruits, Vegetables and Flowers from all parts of the world illustrated and described. Successes and failures, trials and experiences of many told in a helpful way.

For prices on Seeds in Quantity, see page 112.

Double Anemone, "Whirlwind"

Blooms Every Autumn.

Perfectly Hardy.

Profuse Bloomer.

Once planted will live for years.

We recommend it.

This plant, which we introduced in the spring of 1894, is one of the most beautiful of the hardy perennials. In habit it is like the well-known White Japan Anemone, and even more abundant in blooming. The flowers are double, white, two and a half inches across, and last much longer than those of the single varieties. The plant grows from two and a half to three feet high, with large and plentiful foliage. Our hard winters kill the crowns of the White and Red Japan Anemone, but this "Whirlwind" has proved entirely hardy by six winters' exposure, and in this, if nothing more, it is a great improvement on the other kinds. It is especially adapted to cemetery planting, where protection is often inconvenient, and for this purpose is highly recommended. Every one should have at least one plant, though a bed of several plants, when in flower, makes a sight long to be remembered. That all may enjoy this splendid Double Anemone we have reduced the price to only 20 Cents each for good strong plants; two for 30 Cents; \$1.60 per doz.



DOUBLE ANEMONE, "WHIRLWIND."

Flowering Maple, Silver Edged.

Souvenir de Bonn. A very distinct variety, and the most wonderfully variegated Abutilon yet introduced. The foliage is large, of a deep green color, not mottled as in all other variegated forms, but each leaf is edged with a broad white margin, very much like the Silver-leaved Geranium. The flowers are quite large, bronze-red. The plant is a strong, robust grower, and makes a beautiful specimen in a short time, and is equally excellent as a bedding or pot plant.

We know of no variegated plant introduced within recent years which has pleased us so much as this. It is destined to become decidedly popular.

Price--Strong Plants, 20 cents; two for 30 cents.



1/2 nat. size

ASTER DAYBREAK.

Color
Soft Sea
Shell Pink,
Like
Daybreak
Carnation.
The
Ladies'
Favorite.
Large
Size
And
Round
As a Ball.



The accompanying illustration, from photograph, shows one of the many beautiful, vigorous, free blooming plants of our "Daybreak" Aster grown on our stock farm during the past year for seed. The delicate pink color, erect and graceful habit and immense display of flowers when seen in a mass is simply charming beyond description. A dozen plants or more of this recent novelty will surely give excellent results, and will supply the home with an abundance of cut flowers.

*Per pkt. 15 cents;
two for 25 cents.*

ASTER, Princess Rosalind.

This superb variety has the same habit, the same round, short petaled Liliput Dahlia-like flowers, is just as floriferous and continues as long in bloom as the well known and popular Snowball Aster. The blossoms being of a most charming BRIGHT ROSE color, the whole plant possesses a beauty and elegance which few other Asters can rival.

Price, per packet 15 cents.

Three packets of these Asters, Daybreak, Vick's Branching, Princess Rosalind, for 30 cts.

A charming drooping plant for house culture,

ASPARAGUS SPRENGERI.

This is one of the most valuable plants for decorative purposes yet introduced, its beautiful fresh 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.

Price, each 25 cents.

All seeds listed in this Catalogue delivered free of postage or express charges, except when noted.

SEEDS AND PLANTS

The Leading Aster

Vick's . . .
Branching



ONLY FIVE YEARS AGO we introduced this exceptionally fine Aster, and already it has made a home in the gardens of those who cultivate a love for the beautiful in nature throughout the civilized world. It is one of the things that has come to stay. And this is not surprising when we take into account the *extraordinary size* of the flowers, standing erect on long and graceful stems well above the foliage, and the immense blooming qualities of the plants.



Other recommendations it has, such as the variety of colors, snowy white, pink, light and dark crimson, purple, and rose striped; finally it blooms late, when nearly all the other tenants of the garden have gone to rest, and is one of the best flowers for cutting. In these respects it is a fitting rival of the Chrysanthemum, for which it is frequently mistaken.

CROMPTON, R. I., Nov. 2, 1897.
James Vicks Sons.
GENTLEMEN: I am an importer and grower of Asters for the market on a large scale, and would say that Vick's Branching Aster, when viewed from all points, is the finest Aster I ever saw, the stems being so long. I received first premium on them at Rhode Island State Fair, September 6, 1897. They were magnificent. The second Sunday in September two hundred visitors were in my grounds. They called them Chrysanthemums, but I told them they were Vick's Branching Asters.
Yours truly,
W. H. TARBOX.

Aster. Snowy White, Pink, Crimson, Purple, Rose striped, each 10 cts., or one packet of each of the five colors for 40 cents.
All colors, mixed,
10 cents.

MULBERRY, November 16, 1896.
James Vicks Sons.
GENTLEMEN: I never had such success with seeds as I did last summer at Rockville, Ind. The garden seed almost surprised us with their results. Our success with your Branching Aster was far beyond our expectation. We planted the mixed seed; they came up well, were stocky and satisfactory from the first. We transplanted them to the garden, where they grew well, and we absolutely had arm-loads of these elegant flowers. The people there had never raised them, and they were almost wild over them. We will never be without Vick's Branching Asters so long as we can get the seed.
Yours appreciatively, T. F. DRAKE.

SEEDS



CORKSCREW BEGONIA, THE MYSTERY

either left in the pots or packed in dry sand and kept until the following spring, to be started again. Start plants from February to April.

Single White, Red, Rose and Yellow, each 15 cents; per doz. \$1.50.

Double White, Red, Rose and Yellow, each 30 cents; per doz. \$3.00.

Our Colored Plate Collection Tuberous Begonias,

Five Large Bulbs, 50 cents. . Retail Price, 90 cents.



TUBEROUS BEGONIA.

COLEUS.

Queen of the West.

Leaf slightly serrated, outer band of bright oxide green, with margin or bright yellow, and center wedge of creamy white. The whole covered with blotches of bright carmine and deep maroon.

Price, each, 20 cts.; 2 for 30 cts.

We pay the postage or express charges (except when noted.)

WONDERFUL CORKSCREW BEGONIA. THE MYSTERY.

This charming and peculiar 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, and so rare and attractive in appearance that it always commands attention and is greatly admired by everyone.

Plants 30 cents each; 2 for 50 cents.

TUBEROUS BEGONIAS.

Worthy of More Attention.

Growing in Favor Every Year.

As plants for summer blooming there can be none more interesting and satisfactory than the tuberous begonias. The foliage is of itself sufficient to warrant keeping the plants, as the leaves are of beautiful form, texture and color; in addition the flowers are brilliant, of different shades of yellow, orange, salmon, pink and red, and also pure white. The flowers are large, handsomely formed and expand, so as to make a fine display of colors. They bloom freely and all through the summer months. The plants are easily raised from the tubers and require but little attention, but will succeed better 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 off and

SINGLE
TUBEROUS
BEGONIA

CANNAS

NEW VARIETIES.

AUSTRIA.

Flowers very large, spreading about seven inches. Color, canary yellow, much resembling the Burbank. Foliage large and handsome.

Price, 25 cents each.



ITALIA.

Flowers of enormous size, spreading seven inches, the center of flower is a brilliant red with a wide irregular band of clean yellow on outer edge. Its handsome foliage is a deep green, bordered with white.

Price, 30 cents each.



ITALIA.

HORTENSE BARBEREAU.

One of the best of the reds. Immense trusses of large, bright red flowers. Foliage green. Every Canna lover should try at least one plant of this beautiful variety.

Price, 40 cents each.



SOUVENIR D'ANTOINE CROZY.

A strong, vigorous plant, of dwarf habit, about three feet high. Flowers large, intense scarlet-crimson, with broad golden-yellow border. Very handsome and dazzling. Enjoys the hottest sun.

Price, 30 cents each.



We pay the postage or express charges (except when noted.)

AUSTRIA.

BURBANK

One of the best of the novelties. Flowers very large, equal to either Italia or Austria, a rich canary yellow, spreading 7 inches; will continue to bloom for a week after cutting. Plant is a strong grower, five to six feet high, with wide, rich, green leaves, a very decorative plant.

Price, 50 cents each.

The Set of Five Large Flowering

CANNAS,

for \$1.50, Delivered.



CYPERUS ALTERNIFOLIUS GRACILIS.

Umbrella Plant.

Cyperus Alternifolius Gracilis. A beautiful umbrella-shaped and one of the most satisfactory plants for house culture, either in window, fernery or aquarium. It is more dwarf and the leaves narrower than the old variety.

Plants each, 20 cents.

CAREX JAPONICA VARIEGATA.

A new Japanese grass which has proved a very useful and ornamental addition for the house. It can be planted in 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 50 cents.

CENTAUREA, MARGUERITE.

A new centaurea, which is quite different from all other varieties, and one of the most beautiful. The plants grow about eighteen inches high, flowers are large, pure white and sweet-scented, growing on long stems, which makes them desirable for cutting. Its lacinated flowers are produced in great abundance.

Seeds, per packet, 15 cents.



CAREX JAPONICA VARIEGATA.

CARNATION.

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.

Murello. It is early and a constant bloomer; the flowers are large, from three to three and a half inches in diameter; bright scarlet, becoming slightly darker with age.

Mayor Pingree. A new yellow Carnation. 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.

CALENDULA.

Calendula, Double Sulphur. An improved pot Marigold, one foot high, with very large and extremely double flowers of a light yellow lemon color.

Seeds, per packet, 5 cents.



A New, Hardy Flowering Plant

Grows 3 to 4 feet in height.

USUALLY BLOOMS FIRST SEASON.

Desmodium Penduliflorum,

—OR—

Flowering Pea Bush

This plant is a native of Japan. It is quite hardy in this country, growing each spring from the root, sending up numerous stems, forming a large bush of shrub-like appearance, with numerous gracefully curving and drooping branches, from which depend great numbers of flower clusters. The flowers are pea-shaped, of a light purple color, and are produced from August until frost comes. The stems are destroyed by hard frosts like those of other perennial plants, but the roots are quite hardy. 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. *Price of Plants 30 cents each.*

CHRYSANTHEMUMS.

Chrysanthemum, Mrs. Henry Robinson. A large, fine, white flower, blooming early, and lasts a long time; one of the best of the Queen of England type. A very worthy flower.

Chrysanthemum, Francis B. Hayes. An ideal bloom of beautiful glistening pink, large sized and perfectly incurved, in the style of Major Bonnafon, a grand late pink.

Philadelphia. This is undoubtedly the greatest acquisition of its color, in Chrysanthemums for many years. It is an entirely new type in coloring and form of petals, and in the general contour of the flower. The habit of its petals make it globular in form; the color is white, illumined with lemon-yellow, giving it a light and life never before seen in a Chrysanthemum. It was awarded highest honors by the American Chrysanthemum Society, and was also the center of attraction at all of the principal Chrysanthemum shows in the leading cities.

Pink Ivory. A pink sport from the well-known White Ivory, identical except in color, which is a beautiful shell pink.

Red Warrior. A fine, large, dark Japanese variety. Broad, flat petals of deep, rich, chestnut-red. The earliest good red variety.

Chebague. A late variety, extra large, color, flesh or salmon pink. An improved Harry Ballsley.

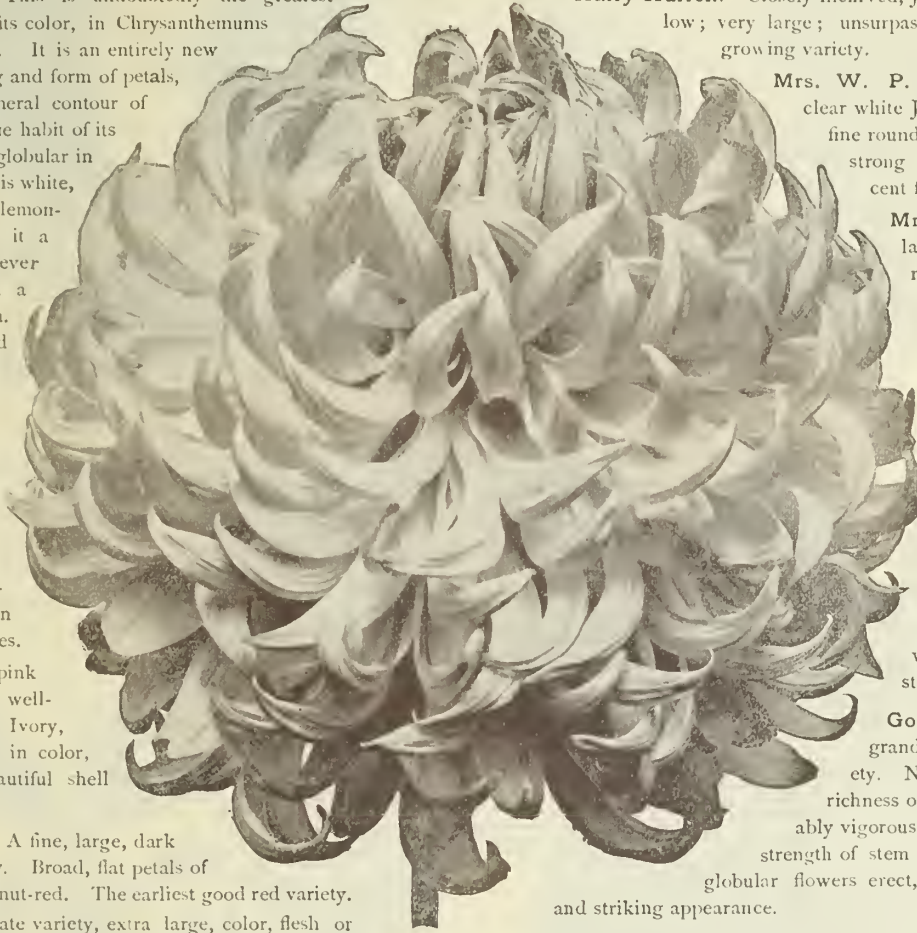
Harry Hurrell. Closely incurved, Japanese; flowers yellow; very large; unsurpassed as an early dwarf growing variety.

Mrs. W. P. Raynor. Beautiful clear white Japanese variety, early, fine round bloom full to center, strong erect stems, magnificent foliage, a 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. As an exhibition flower it is by far the finest white ever introduced.

Mrs. F. Perrin. A fine globular incurved flower, finished as fine as satin. Color, rich pink within, glistening pink without, slender stiff stems.

Golden Wedding. A 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 and striking appearance.



PHILADELPHIA.

Price, each, 15 cents.

For other varieties see page 71.

PREMIUM COLLECTIONS.

5 varieties Tuberos Begonias (see Colored Plate), and Vicks Illustrated Monthly Magazine, one year	\$0 75
6 Cactus Dahlias (see Colored Plate), and Vicks Illustrated Magazine, one year	1 25
12 packets Bouquet Collection Sweet Peas (see Colored Plate), and Vicks Illustrated Monthly Magazine, one year	65
1 ounce choice mixed Climbing Nasturtium (see Colored Plate), and Vicks Illustrated Monthly Magazine, one year	50
3 Rambler Roses, white, yellow and crimson, and Vicks Illustrated Monthly Magazine, one year	65

DIANTHUS HEDDEWIGII.



Crimson Belle. Brilliant dark red, very handsome. Seeds per packet 10 cents.

Laciniatus, Salmon Queen. A very distinct and new type; the most brilliant salmon color, changing to a rosy salmon. Seeds per pkt. 15c.

The Bride. White with purple center. Seeds per packet, 10 cents.

Eastern Queen. An exquisite rose color. Seeds per packet, 10 cts.

One packet of each, 40 cents.

New Crimson Clematis.

Madame Edouard Andre.

Single Crimson. This is a valuable new 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.



CLEMATIS MADAME EDOUARD ANDRE.



ELEAGNUS LONGIPES.

ELEAGNUS LONGIPES.

A hardy, vigorous growing shrub with handsome foliage, dark green above and 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 preferred to currants or gooseberries.

Plants, each 25 cents; three for 50 cents.

SEEDS AND PLANTS

6
for
\$1.00.

CACTUS DAHLIAS

6
for
\$1.00.

Beauty Collection.

This Beauty Collection is a choice selection made from many of the leading varieties and we consider it the cream of the Cactus Dahlias. The colors of this class are the most brilliant and delicate, while the blending of shades and tints are surpassingly lovely. No colored plate can do them justice. They must be seen to be appreciated.

Clifford W. Bruton. New variety; acknowledged by all who have seen it to be the finest yellow Cactus Dahlia ever produced, and is the greatest acquisition since *Nymphæa*. A strong, sturdy grower, and an extremely profuse bloomer for so large a flower. Flowers large, five to six inches in diameter, and full to the center. Color a solid

A strong, vigorous grower and profuse bloomer, producing perfectly full flowers in endless quantities until frost. *Each 20 cents.*

Nymphæa. (The Pink Water Lily Dahlia.) This new variety, all things considered, is the finest in the entire list. The plant is a strong robust grower, while the flowers, which are always full to

pure yellow, the clearest, richest shade ever seen. Unlike many other varieties there is no green center at any time even when the buds are first expanding. This is on account of petals being very long, and because the bracts which are green and heavy in most varieties are transparent in this one. On this account the flowers can be cut at any stage of development, and as they are borne on very long graceful stems they are invaluable for cutting or exhibition purposes. *Price, each 50 cents.*



CACTUS DAHLIA.

the center, are of large size, perfect form, and of exquisite finish, being soft, waxy, delicate and graceful. It has a delicate Water Lily fragrance, and this odor, with its striking resemblance to the ideal pink Water Lily, suggests the name "*Nymphæa*."

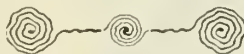
Each 20 cents.

Wm. Agnew. The grandest red Cactus Dahlia ever produced and one that will find its way into every collection. The flowers are of largest size, sometimes measuring more than seven inches in diameter, always full to the center; of perfect form and of exquisite quality and finish, while the color is the richest shade of intense dazzling red. The petals are very long, the outer rows being beautifully twisted; plant a good strong symmetrical grower, and, owing to perfect habit, will be especially valuable for specimen plants. *Each 30 cents.*

Henry Patrick. The very best pure white decorative Dahlia to date; flowers large, borne on long stems; excellent for cutting or exhibitions, an early, profuse and continuous bloomer. The plant is a strong, vigorous grower while the flowers are of great substance, beautiful and waxy, and never show a centre. *Each 20 cents.*

Constancy. A very pleasing variety, of beautiful form, regular and symmetrical; color a rich reddish-orange, shaded bronze, tipped white.

Zulu. The darkest maroon, almost black; one of the very best dark Dahlias. *Each 20 cents.*



THIS BEAUTIFUL COLLECTION OF

Six New Cactus Dahlias for \$1.

If bought singly they would cost \$1.60.

See colored plate of four of these wonderfully beautiful flowers.

BULBS

TWO BEAUTIFUL FUCHIAS.



WHITE PHENOMENAL.

Hardy 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 is a striking contrast of color and one that must be seen to be fully appreciated. A well developed plant will produce several hundred of these flowers in a season. It will succeed anywhere and is perfectly

hardy, blooming the first year after planting. *Strong one year plants, 20 cents each; two for 35 cents. Seeds per packet 10 cents.*

Fuchsia, Little Beauty is undoubtedly the best plant of its class introduced in many years. A perfect gem; it is marvellously free flowering, beginning to bloom when only a couple of inches high and continues in flower the year round. As many as 150 flowers and buds have been counted on a single plant in a four-inch pot, at one time. Flowers are one and one-half inches long, with bright red tube and sepals, corolla rich purple.

Price, 20 cents each; two for 35 cents.

Fuchsia, White Phenomenal. Most of our patrons are acquainted with Fuchsia Phenomenal, and know what a very desirable variety it is. It is with considerable pride that we now offer, as a production of our own, a White Phenomenal, identical with its parent (Phenomenal) except that it is a grand, large, double white flower instead of double purple like Phenomenal. The flowers average three inches across and borne with the greatest profusion,—in fact White Phenomenal may truly be called a perpetual bloomer, so freely does it produce its beautiful flowers. The tube and sepals are a bright carmine, corolla white, base of corolla heavily shaded and veined with carmine.

Price, 20 cents each; two for 35 cents.

One plant each, Fuchsia White Phenomenal and Little Beauty, 35 cts.

Magnificent Day Lily.

Hemerocallis Aurantiaca Major.

Last year we had the pleasure of introducing to the flower-loving public one of the finest new hardy, herbaceous plants which have been brought out for many a year. 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, bearing as many as twelve flowers in succession, which are very large, some seven to eight inches across, of a rich



orange yellow, quite distinct. The plant is perfectly hardy. Prof. Baker, the eminent botanist, makes the statement, "It is the finest Hemerocallis I have ever seen." *The Gardeners' Chronicle* notices it as "the greatest novelty" exhibited before the Royal Horticultural Society. *The Garden* calls it "a very notable addition to our hardy garden flowers," and further says, "In its rich shade of apricot yellow it stands out conspicuously as a most distinct, beautiful and colored form."

(See first cover for illustration.)

Price, 40 cents each; two for 70 cents.

GERANIUMS.

MADAME BRUANT.

The Novelty of the Year.

A grand variety wholly distinct from any other in cultivation. White, veined with carmine lake, florets regularly bordered with bright solferino, 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 and certainly the finest plant novelty of the year.

MADAME JAULIN.

Without question the finest new semi-double Geranium offered in many years. This is an entirely distinct color in the Bruant or bedding type. Very large florets compose a truss of grand size; center of flower very delicate pink, bordered with pure white; for freshness and beauty this variety is unrivaled by any bedding sort, and is equally as valuable for pot culture and market purposes.

J. SALLIER.

A vigorous growing and remarkably free flowering variety. Trusses large and of perfect form, composed of single flowers en-



MADAME BRUANT.

tirely 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 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.

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.

J. RICAUD.

A very fine free-flowering double variety, with enormous sized trusses on strong foot-stalks; flowers purplish crimson of a very intense shade, center very distinctly marked white that shades beautifully into the other color.

Price each, 25 cents; the five for \$1.00.

HYDRANGEA OTAKSA MONSTROSA.

Color of bloom, intense rose shaded white, borne in much larger clusters than in Hydrangea Otaksa. Quite small plants, bearing blossoms of most enormous size, and which are very lasting in quality. The variety is free in growth, and very free in production of bloom. One of the finest novelties.

Price each, 20 cents.

IRIS KÆMPFERII.

The Japanese Iris are certainly very desirable plants for the border, or in clumps on the lawn. They grow three to four feet high, the flowers are very large, differing materially in this respect from the ordinary Iris, and the combination of colors is so rich and varied as to render them exceedingly attractive wherever grown. The colors include various tints of pink, rose, lilac, white, lavender, crimson, purple, blue and intense yellow. The plants are quite hardy, require liberal watering, and bloom abundantly in July and later, after the ordinary kinds have ceased to flower. Having over fifty distinct varieties we can make a fine selection of assorted colors (no two alike) when wanted.

Price, assorted colors, 15 cts each; 2 for 25 cts.; 5 for 50 cts.



HYDRANGEA OTAKSA MONSTROSA.



Vick's Superb Giant Pansies

The Largest and Most Beautiful of their Class.

In Competition with all Others, this Strain has taken Prizes at many Floricultural Exhibitions.

We have grown these Pansies to a highly improved state, and the seeds here offered have been saved from the finest selected flowers. Our stock this year is better than ever and of strong vitality. The flowers are often from three to four inches across and of the richest colors. We confidently offer them to our customers as a Superb strain, and we know they will give entire satisfaction.

Seeds, per packet, 50 cents; two for 75 cents. Superb Pansy Plants, each, 10 cents; per dozen, 75 cents; per 100, \$5.00.

OUR COLORED PLATE MIXTURE

—OF—

Climbing Nasturtiums.

The Tropæolum Majus has grown in favor with such rapidity within the past few years that to-day it is a rival of the beautiful Sweet Pea. For cutting or house decoration they are both pretty and graceful. Our prize mixture is carefully selected from the best named varieties (see colored plate.)

Price, per packet, 10 cents; per ounce, 25 cents.



PHYSALIS FRANCHETTI.

A new plant from Japan, growing from one and one-half to two feet high, erect habit, covered with beautiful foliage which shows off its brilliant seed pods to great advantage. These seed pods are the striking feature of the plant, are almost globular, over two inches in diameter, of a shining orange red tint, and enclose a cherry-like fruit of same color. By some this fruit is used as a preserve. The intense color of the seed pods makes the plant very valuable for all sorts of decorative work, and during August it produces a most striking effect in the garden.

Price, per packet, 15 cents.

OTAHEITE ORANGE.

The great beauty, novelty and popularity of this plant is, indeed, wonderful. 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. With one or two pots of it any one can raise 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. The blossoms are produced in great abundance, delicate and beautiful in color, and rich in delicious perfume. The plants we supply are strong and ready to bloom and fruit at once. For winter blooming it is truly superb.

Price—Strong plants, 25 cents each; two for .50 cents.



SEEDS AND PLANTS

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.*

Sent only by Express, not paid, at these prices.

Palms, *Livistonia rotundifolia*. One of the prettiest; for table decoration unsurpassed; foliage similar to *Latania Borbonica*, but smaller, more delicate and graceful.

Strong plants each \$1.



LIVISTONIA ROTUNDIFOLIA.



Kentia Belmoreana.

Graceful arching leaves, with long terete, shining yellowish-brown petioles; divisions of the leaves, 20 to 30 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.*

KENTIA BELMOREANA.

***Areca lutescens*.** This is one of the handsomest of all the Palms, desirable in every stage of its 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.*

***Kentia Forsteriana*.** The beautiful "Thatch Palm," very 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.*

***Latania Borbonica*.** This handsome Palm has fan-shaped leaves, split into divisions at the apex, and frequently there are threads hanging between the divisions. The plants will grow into magnificent specimens in time. It is a strong, vigorous plant, and makes a fine appearance in the window, or in contrast with other plants in the greenhouse or conservatory. *First size, 80 cents; second size, 50 cents.*

***Phoenix reclinata*.** A genus of very hardy and rapid growing pinnate-leaved Palms, of which there are several species, all of them handsome. In a young state these plants 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.*

***Seaforthia elegans*.** This is the beautiful "Feather Palm" of Queensland, where it is one of the most conspicuous and stately objects in the landscape, growing as it does to a height of 70 to 80 feet. The pinnate leaves are a lovely soft light green and most gracefully arched. *First size, 80 cents; second size, 50 cents.*

On lines of Express of American, National, United States, and Wells, Fargo & Co., east of Rocky Mountains, we will prepay charges on receipt of 15 cents extra for second size, 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 size, and 20 cents for first size.

PLANTS



Double Sweet Peas.

The Double Sweet Pea, *Bride of Niagara*, with which many of our customers are now familiar, has many admirers. Those who know it best think most of it, and this is a recommendation of the highest value. The result which has been attained with this variety shows what may be accomplished with the Sweet Pea by persistent and careful breeding. That a flower with two or three large banners is handsomer and more showy than the flower of the commoner form there is no question. Is this, then, the age of the Double Sweet Pea? Not yet, but it is coming. The fact is that the care and work and expense of breeding a variety of Sweet Pea with double banners are so great that we are not likely to have, for several years yet, many reliable varieties of this kind. Before a new double variety is worthy of being offered to the public it must be capable of producing a satisfactory proportion of double flowers, and this can be obtained only by several years careful breeding. The time and care required is discouraging to most of those who undertake it, and the work is by them given up before reaching any worthy results. After several years of culture we are now able to announce a new double variety of worth, named *Dorothy Vick*, and of which a description is given below. We believe that our customers will find both the *Bride of Niagara* and *Dorothy Vick* equal to the representations here made, and, as such, valuable additions to the list of fine varieties of Sweet Peas.

BRIDE OF NIAGARA.

This variety has banners of a beautiful clear pink and with wings and keel white. A large percentage of the flowers have two and three large banners. We here reproduce what one of our customers had to say of it after blooming last year for the second time. The following is an extract of his communication published in the November number of *Vick's Illustrated Monthly Magazine*:

The color is such a delightful shade of pink as to command attention at once. 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. Of course no seed was allowed to form,—every blossom was cut each day; beyond this they received no attention further than I give to all such plants.

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 plants. 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 finest 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.

Price, packet 10c.; ounce 25c.; quarter pound 75c.; pound \$2.50.

DOROTHY VICK.

Flowers large; banners a clear rose; wings magenta; keel white, often shaded slightly with magenta near the upper edge. It will be seen that the flowers of this variety display more color and colors of deeper shades than the *Bride of Niagara*; when seen together the two varieties present a pleasing contrast. The percentage of double flowers at present produced by this variety may not be as great as with the *Bride*, but is sufficiently large to be satisfactory and we believe that those who give it a trial will be well pleased with it. Price, packet 15c.; two for 25c.

Colored Plate Collection of Sweet Peas.

TWELVE LEADING VARIETIES. After years of experience and exhaustive tests of hundreds of varieties on our trial grounds we have selected the following named Sweet Peas as the cream of the single varieties. This list is intended to assist those who wish a few of the leading varieties and are bewildered in deciding which to select from the exhaustive list on pages 58 and 59. It comprises all shades, from the lightest to the darkest and a generous bed of them will be a constant source of pleasure. A few sprays of each massed into a bouquet will make a handsome display. Price per packet, 5 cts. each, or the set of 12 for only 40 cts.; per ounce 10c. or one oz. of each for \$1.00.

Blushing Beauty. Soft pink suffused with blue.

Blanche Ferry. Pink and white.

Her Majesty. Beautiful, soft rosy pink, very large; showy, handsome; a flower difficult to describe.

Lady Penzance. pale but very bright rose.

Lottie Eckford. Rose and white, tinted with gray.

Mrs. Eckford. Large, handsome, self-colored flowers, of finest substance, peculiarly delicate shaded primrose.

Mrs. Eckford. Large, handsome, self-colored flowers, of finest substance, peculiarly delicate shaded primrose.

Mrs. Eckford. Intense scarlet, fine form.

Mrs. Joseph Chamberlain. White striped, flaked with bright rose.

New Countess. Flowers of largest size, pure light lavender.

Stanley. Deep maroon self; large, finest form.

The Bride. Latest introduction, of pure white; extra large flowers.

Venus. Salmon buff, standard delicately shaded rosy pink.

DWARF SWEET PEA, PINK CUPID. Not over five to six inches high, very compact, covering a circumference of about fifteen to eighteen inches. Desirable for edging and massing. Full sized packet direct from the originator, 15 cents each. No half size packets.

SEEDS

A WINDOW GARDEN

FOR \$1.00.

**8 Beautiful
Decorative Plants.**

No one should be without a Window garden now. Twelve cents each. Think of it! Delivered to any part of the United States.

Cyperus alternifolius (Umbrella Plant)

Flowering Begonia,
argentea guttata.

Palm, Latania Barbonica.

California Ice Plant.

Dracæna indivisa.

Begonia Rex.

Palm, areca lutescens.

Grevillea robusta.

Or can Furnish

Extra Large Plants,

Express not Paid, \$2.



GOLDEN GLOW

Rudbeckia Laciniata flora plena.

A beautiful hardy perennial, attaining a height of five to eight feet in one season, 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. On one plant in our garden last summer we counted nearly 1,400 flowers and buds. We consider it one of the most effective decorative plants for garden or lawn.

Price, each, 20 cents; two for 35 cents.



HARDY RUDBECKIA GOLDEN GLOW.

NEW FRINGED MAMMOTH HOLLYHOCK

Allegheny.

This grand new flower is a decided 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, per packet, 20 cents.



NEW FRINGED HOLLYHOCK.

For
Prices
On
Seeds
In
Quantities
See
Page
112.

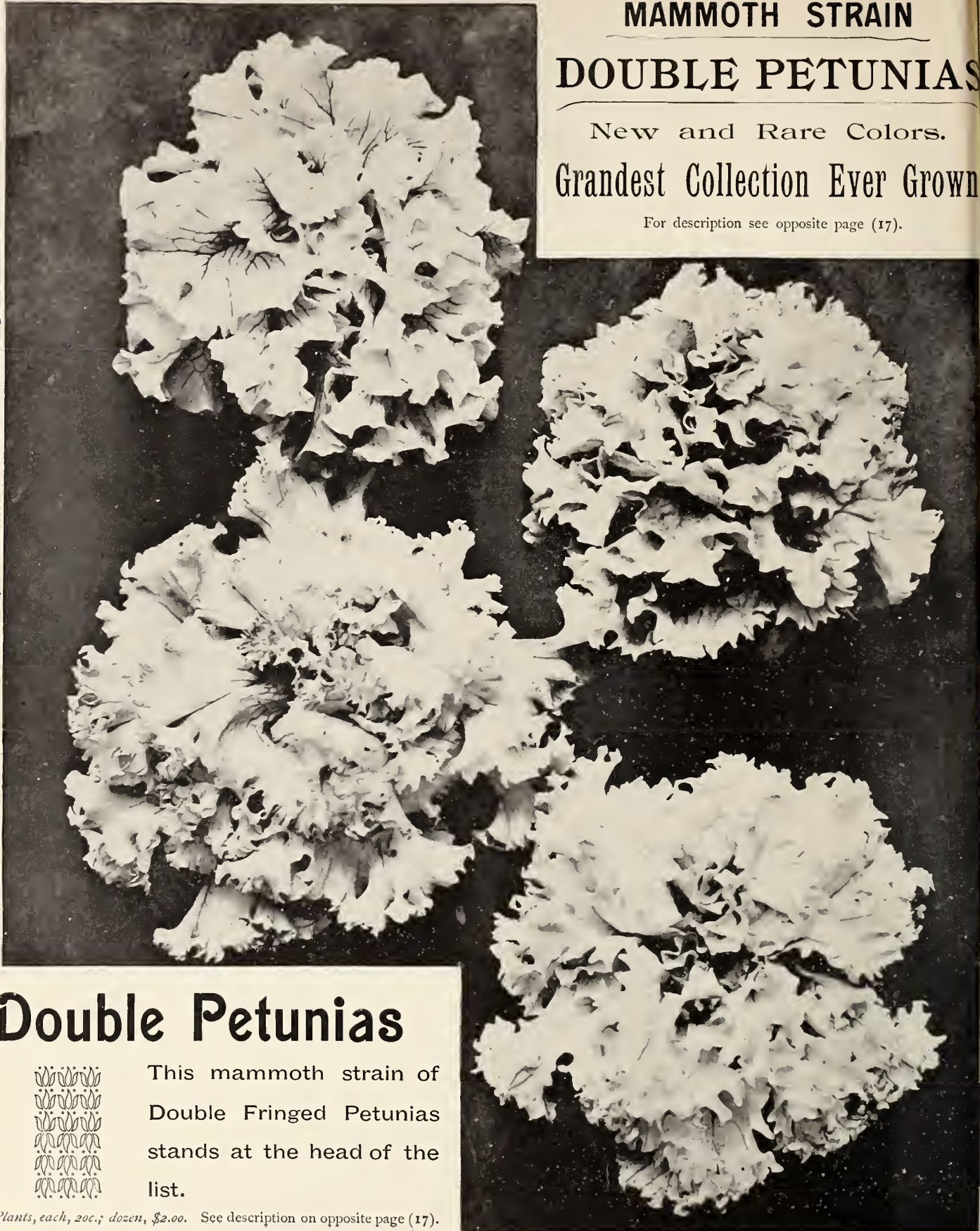
MAMMOTH STRAIN

DOUBLE PETUNIAS

New and Rare Colors.

Grandest Collection Ever Grown

For description see opposite page (17).



Double Petunias



This mammoth strain of Double Fringed Petunias stands at the head of the list.

Plants, each, 20c.; dozen, \$2.00. See description on opposite page (17).

New Hardy Pink. MOST BEAUTIFUL.....DOUBLE PETUNIAS



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, and 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, 20 cts.; two for 35 cts.

The past summer one of the most beautiful sights among the flowers and the spot that often attracted us was the bed where the plants of the Double Fringed Petunias were growing. 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. See illustration on opposite page.

Price, plants each, 20 cents; doz. \$2.00.

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 and full.

Mount Blanc. Pure white, double.

Magician. Bright pink, edge of petals tipped with gold.

Henry Murger. Dark purple.

Plants, 25 cents each; one plant of each for 90 cents.

Rudbeckia Bicolor Superba.

This new annual variety is a very welcome addition to the collection of these popular plants so extensively used for cut flowers.

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. See illustration, page 16a. *Seeds, per packet, 20 cents.*

PERENNIAL PEA.

It is a pleasure to offer to the public something quite new and meritorious in the way of a Perennial Pea. It is apparently a sport from the well-known and cultivated species *Lathyrus latifolius*, and reproduces itself from seed. It was discovered by an American tourist in Italy and brought home to Rochester, where it has been thoroughly and satisfactorily tested for a number of years. This new variety is known as

PAULINE SALTER.

Plant quite hardy, blooms profusely and for several weeks. Flowers large, finely formed and of a beautiful, delicate clear shade of sea shell pink. A showy plant in the shrubbery or on the lawn. Flowers of great beauty for cutting.

Price, per packet, 15 cents.



RUDBECKIA BICOLOR SUPERBA.



...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 unequaled by any other plants. In the spring cut back all the shoots, or stems, and they will send up new ones, which will make up a very strong growth and give abundance of bloom. It is the new wood that gives the bloom. Moss Roses are very popular and much admired for their beautiful buds, which are covered with a moss-like texture. Climbing Roses are perfectly hardy, blooming early in the summer, and when in a rich soil soon cover any arbor or porch. 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. In fact, our stock of Roses is complete, and we can supply all the leading varieties. The varieties offered are the best of their respective classes.

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



MARCHIONESS OF LONDONDERRY.

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.

Price, each, two-year plants, 50 cents.

VICK'S CAPRICE.

This plant, introduced by us some years ago, still stands at the head of the list of striped Roses, being the most distinctly marked and constant in its character. This grand Rose may be grown to perfection by the amateur, as well as by the professional florist. The flowers are large, soft satiny pink, distinctly striped and dashed with white and carmine. It is beautiful in the bud form, being quite long and pointed, showing the stripes to great advantage. Blooms continuously through the summer. Desirable for cutting.

Plants, 20 cents each; two-year plants, 35 cents each; two for 60 cts.



VICK'S CAPRICE.

HARDY ROSE PLANTS

La FRANCE ROSES

Bloom till late in Autumn.

La France and its Sports.

LA FRANCE

or Pink LaFrance.

RED LA FRANCE

or Duchess of Albany.

STRIPED LA FRANCE

or Madame Angelique Veysset.

WHITE LA FRANCE

or Augustine Guinoisseau.

(Our illustrations show only two of this favorite quartette.)



Beautifully Formed in Bud and Full Bloom.

LA FRANCE stands at the head of our hardy roses for the beauty and profusion of its bloom, and for its fragrance. In these respects, as well as for autumnal blooming, it is unexcelled. 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 the sweetest of all roses. The color of La France is a pink or silvery rose,—that is, there is apparently a silvery bloom overlaying the pink and rose color,—a satiny sheen, as it has been termed.

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. These plants have been sent out under different names, as indicated above, but they can very properly be spoken of as White LaFrance, Striped LaFrance and Red LaFrance. Taking them individually and collectively they are unexcelled and unsurpassed in all the qualities that constitute a hardy, beautiful, fragrant, free blooming rose.

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.

MARGARET DICKSON.

Distinctively a garden Rose and the best white Hybrid Perpetual, combined 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, making in size the largest of roses. In color it is the most beautiful waxy white, shining with almost the luster of a pearl. Petals are very large, well-shaped, and delicate in texture, and are gracefully curled back. The large globular and especially handsome buds are borne close to the leaves, which forming a glossy dark background, set off the flowers to the best possible advantage.

Price each, 20 cents; two-year plants, 35 cents

MARCHIONESS OF LORNE.

Is especially remarkable among the Hybrid Perpetuals for its perpetual and free flowering, nearly every side 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. Price, each, 20c.; two-year plants, 35c.



OTHER STANDARD VARIETIES OF ROSES.

Strong One Year Plants, each 20 cents; six for \$1.00; twelve for \$2.00.

Rose, Anne de Diesbach (Gloiy of Paris). Brilliant crimson, long pointed buds, large, finely formed, compact flowers, very sweet, free bloomer. Valuable for forcing, and a superior garden sort. (See page 22.)

Archduchesse de Autriche, bright satiny pink.

Coquette des Alpes, white, occasionally tinged with pink, flowers in clusters.

Coquette des Blanches, pure white, sometimes delicately tinged with pink.

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 abundantly.

Earl of Pembroke. Bright crimson, a beautiful clear shade, very fragrant.

(Continued on next page.)



PAUL NEYRON.

(List of Hardy Roses begins on page 18.)

Rose, **Fontenelle**, carmine red, full and double.

Gen. Jacqueminot, rich crimson-scarlet, very bright and velvety. It produces beautiful buds that are much admired and in great demand. This is, undoubtedly, the most popular rose in cultivation.

Gustave Piganeau, brilliant carmine lake; large, equalling Paul Neyron in size; full and cupped; very fragrant.

La France, silvery rose changing to pink; a most constant bloomer; beautiful both in flower and bud.

La Reine, deep rosy lilac, free flowering.

La Rosiere, velvety crimson, very fine.

Madame Gabriel Luizet. Pink, distinct, very large, cup-shaped; somewhat fragrant. Will rank with Baroness Rothschild.

Magna Charta, pink, suffused with rose; large, full.

Madame Plantier (Hyb. China), summer bloomer; pure white.

Mrs. John Laing, delicate pink, large, fine form, very fragrant.

Perfection des Blancches, pure, snowy white, free bloomer; flowers large and fragrant.

Paul Neyron, a grand rose, with immense double flowers, probably the largest grown; bright shining pink, clear and beautiful; finely scented (see illustration above).

Pæonia, bright clear red, very sweet.

Rose, Prince Camille de Rohan, rich, dark velvety crimson, shading to maroon; very double and sweet.

Pierre Notting, deep velvety maroon, large and fragrant.

Victor Verdier, large full; bright rose color, crimson center.

Vick's Caprice, soft satiny pink, striped and dashed with white and carmine.

Strong 1-year plants, each 20 cents; 6 for \$1.00; 12 for \$2.00.

TWO YEAR PLANTS.

Each, 35 cents; dozen, \$4.00.

The varieties in this list are extra large plants, strong and vigorous, and will bloom profusely the first season. Descriptions of most varieties in this list will be found under one year plants:

Archduchesse de Autriche.

Baroness Rothschild. A thrifty grower; flowers light pink, cupped form, large; good autumn bloomer.

Coquette des Blancches, white with pink tinge.

Fontenelle, carmine red, full and double.

Fisher Holmes. One of the old highly prized hybrid perpetuals. It has been described as an "improved General Jacqueminot," flower large, full, of fine form; color deep vivid crimson; free bloomer.

Anne de Diesbach, **Coquette des Alpes,**
Caroline Marniesse, **General Jacqueminot,**
La France, pink, red, striped and white, **La Reine,**
Madame Plantier (Hyb. China), **Madame Chas. Wood,**
Margaret Dickson, **Marchioness of Lorne,**
Magna Charta, **Mrs. John Laing,** **Pæonia,**
Perfection des Blancches, **Prince Camille de Rohan,**
Paul Neyron, **Victor Verdier,** **Vick's Caprice.**



MRS. JOHN LAING.

HARDY ROSE PLANTS

American Beauty

It is considered the largest and most beautiful of all the hardy roses. It is a strong grower and continuous bloomer; its flowers very large and double; color, a rich rosy crimson; very fragrant. It is an excellent garden variety and one of the most highly prized for culture under glass. Its great beauty of form is shown in the engraving here presented.

Price 25 cents each;
2-year plants, 50 cts.

Pink Souper

A seedling from Clothilde Souper; 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. Similar to Clothilde Souper in its many admirable qualities. The difference its handsome pink color.

Each 20 cts.
2-year, each 35 cts.



CAROLINE MARNIESSE.

Caroline Marniesse

A Most Valuable Rose
For General Cultivation
A Perpetual Bloomer.

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. Plants of the right age for transplanting will not have the height of some of the more rampant growing sorts, but the amount of blossoms produced will be vastly greater. The blossoms are a pure (or slightly creamy) white and are produced in great abundance, the plants often being literally covered with them. They are of medium size, very double and sweetly tea-scented.

Price, each, 20 cents.

Two-year plants, 35 cents each.

(Continued on next page.)



AMERICAN BEAUTY.



ANNE DE DIESBACH.

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.

Price, each, 20 cents; 2-year 35 cents.

Empress of China The Ever-Blooming Climber.

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

Price, each, 20 cents.

HARDY ROSE PLANTS

MOSS ROSES.

*One year Plants, each 20 cents.
The Set 50 cents.*

Comtesse de Murinais, pale flesh, changing to white.

Henry Martin, dark red.

Madame de la Rochelambert, white with pink tinge.

*Two year Plants, each 35 cents.
Per dozen, \$4.00.*

Comtesse de Murinais, pale flesh, changing to white.

Capt. John Ingram, purplish crimson.

Henry Martin, dark red.

Madame de la Rochelambert, white with pink tinge.

Princess Adelaide, pale rose.

White Bath, pure white.

CLIMBING ROSES.

*One year Plants, each 20 cents.
The Set 35 cents.*

Baltimore Belle, pale blush, nearly white.

Greville, or Seven Sisters, blush and crimson.

Queen of the Prairies, rosy-red; fine.

Two year plants of the above three, each 35 cents; the set 90 cents.

(Rambler Roses, see page 23.)

Polyantha Roses.

A distinct class. Perfectly hardy. For many purposes its varieties are excellent. They are continuously in bloom; desirable for house culture. The plants are of low growth, branching freely and commencing to bloom while the plants are yet small, and continuing to bloom nearly all the time. There is no kind of rose which we can offer so willingly for a window plant. Those who have heretofore failed with roses in the house may take either one in this list with full confidence of success. The flowers are produced in clusters, and although not large, are very perfect and handsomely formed. They are also excellent for bedding out, producing a profusion of bloom, and requiring but slight protection for winter.

Rose, Clothilde Soupert (Tea Polyantha). This Rose is the result of hybridizing the Tea Rose Madame Damaiziu with the Polyantha Mignonette, which gives this variety the strong growth of the Tea class, added to the profuse flowering habit of the 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 outer edge, shading to a center of rosy pink, color sometimes varying to nearly pure white. Very fragrant, constant bloomer.

Little White Pet. Light pink or blush on opening, changing to pure white; splendid for bedding or planting in the cemetery.

Mignonette. Rose, changing to blush; clusters very large; flower small and delicate.

Per dozen, \$1.50; each, 15 cents.

The Rambler Roses.

When the Crimson Rambler Rose was announced but a few years since, old experienced gardeners shook their heads and doubted that a plant could combine in itself all the good qualities claimed for this Japanese rose; but it has proved true in every respect to its description, and now we know that it is a most valuable addition to our hardy roses. In rapid succession have appeared varieties of the same class but of different colors, and, now, besides the first named we have the White Rambler, the Pink Rambler, and the Yellow Rambler, each having characteristics similar to the Crimson Rambler, and differing merely in color. These plants are a great gain for our Eastern, Middle, Northern and Northwestern States, where we were restricted to a very few, practically two or three, varieties of hardy climbers. These Rambler Roses of different colors have been sufficiently tested in a variety of localities to warrant the belief that they will all prove as satisfactory as the Crimson Rambler, though possibly in some places, or regions, some of them may do better than others; but they are all worthy of trial, though it may be found that under some conditions their treatment may be somewhat different. They are suitable for training on walls, verandas, trellises, arbors and pillars, also for trailing on the ground, and as specimen pot plants, especially for winter forcing. The flowers, though small are well formed and produced in so great profusion as to present an immense mass of bloom. Instances have been given of over 4,000 flowers on a pot plant of Crimson Rambler, and the other varieties are equally floriferous. These varieties are worthy of the attention of everyone having a homestead, and their general cultivation will add greatly in the Rose Season to the beauty of village and rural homes.



WHITE RAMBLER ON TRELLIS.

The flowers, though small are well formed and produced in so great profusion as to present an immense mass of bloom. Instances have been given of over 4,000 flowers on a pot plant of Crimson Rambler, and the other varieties are equally floriferous. These varieties are worthy of the attention of everyone having a homestead, and their general cultivation will add greatly in the Rose Season to the beauty of village and rural homes.

	<i>1 Year, each.</i>	<i>2 Year, each.</i>	<i>1 Year, each</i>
Crimson Rambler,	15c.	35c.	White, Rambler, 20c.
Yellow " "	20c.	50c.	Pink, " 20c.

In order that our friends may give these wonderful roses a good trial, we will send one each of the White, Yellow and Crimson Rambler Roses for only forty cents, prepaid. Please do not ask us to make any changes in this offer, as we have grown a large stock of these three varieties to meet the demand, and cannot substitute.

1 White, 1 Yellow and 1 Crimson Rambler Rose, for only 40c.

(Continued on next page.)



HEDGE OF CRIMSON RAMBLER ROSES.

HARDY ROSE PLANTS



MONTHLY ROSES.

In the list below we give the ever-blooming class, comprising Teas, Noisettes, Chinas and Bourbons. Even so far North as this they give us better satisfaction than any other class of Roses, —first, on account of their free-blooming qualities



DUCHESSÉ
DE
BRABANT.

then their exquisite fragrance and delicate colors. Some are almost hardy, and do well if slightly protected with leaves or straw, while a little farther south they stand the winters with no protection whatever. If the plants are taken up in the fall and trimmed back, and put in earth in a box in a cool cellar, with just water enough to keep them from shriveling, they will come out fresh in the spring, and start into bloom in a very short time. All Roses delight in a rich soil.

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

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

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

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

Bridesmaid. This Tea Rose is an improved Catharine Mermet, from which it is a sport, clear delicate pink, in all respects a counterpart of Mermet, with large handsome pointed buds on long stiff stem. *t.*

Catharine Mermet. One of the finest varieties in cultivation, with buds of the largest size and handsomest form. Petals gracefully recurved, so as to show a lovely bright pink center, which gradually shades towards the outer edge to a very light pink. Plant of strong growth and free blooming habit, very fragrant. *t.*

Coquette de Lyon. Canary yellow; free blooming variety. *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.*

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

Rose, 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, with the outer petals washed and outlined with bright rose. *t.*

Mary Washington. A large double, snow-white rose, constantly blooming, very fragrant and with an agreeable musky odor. *n.*

Marie Guillot. White, tinted with pale yellow; large, full and of fine shape. A most beautiful rose. *t.*

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

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

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

Madame Hoste. Canary yellow, vigorous, a most abundant bloomer. *t.*

Madame Bravy. Cream, pinkish center. *t.*

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

Madame Camille. Soft rosy pink. *t.*

Madame Veuve Menier. Light rose; flowers of good size.

Mrs. De Graw. Rich glossy pink, fine. *b.*

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

Marquis de Vivens. Edge of outer petals bright carmine, center and base of petals creamy-yellow; flowers large, full and 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 shade of yellow; very perfect in form; free grower and very profuse bloomer; extra fine. *t.*

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

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

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

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

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

Safrano. Bright saffron-yellow, changing to fawn, sometimes tinged with rose; beautiful buds; fragrant. *t.*

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

The Bride. A sport from Catherine 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.*

MONTHLY ROSE PLANTS

NEW GOLDEN SALVIA. NEW DOUBLE SCABIOSA.

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. Destined to become very popular. *Plants, each 20 cents, two for 35 cents. Seeds, per packet, 25 cents, two for 40 cents.*

"THE POMPADOUR,"

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. *Price, per packet, 20 cents.*

The Columbian Raspberry

Has made an enviable reputation through 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. In Bulletin No. 91 of the New York Agricultural Experiment Station, the following statement is made:

Among the purple raspberries the Columbian was the most productive * * giving a yield of 540 ounces from a row thirty-five feet long. Its manner of growth and fruiting is much like the Shaffer; the fruit is larger, firmer and a shade lighter in color. It yields a larger per cent. of its crop late in the season than does the Shaffer.

Its History. The Columbian is a seedling of the Cuthbert, which grew near a Gregg blackcap, and is believed to be a cross between the two. It has been tested with most flattering success at a number of State Experimental Stations and by leading horticulturists.

POINTS OF EXCELLENCE.

- 1—A most vigorous grower, canes ten to sixteen feet in length and an inch in diameter; strong and woody; light green, changing to bright red in autumn.
- 2—Foliage handsome and healthy, light green, retaining its health and hue until killed by autumn frosts.
- 3—Roots large and spreading, penetrating the soil to a great depth, thus enabling it to resist drouth.
- 4—Propagates readily from the tips, and never suckers from the roots.
- 5—Very hardy. Has endured 28° below zero without freezing.
- 6—Fruit very large, often an inch in diameter; shape somewhat conical; color dark red, bordering on purple; adheres firmly to the stem and will dry on the bush if not picked; seeds small and deeply embedded in a rich juicy pulp, with a distinct flavor of its own, making it a most delicious table berry.
- 7—For canning purposes it is much superior to any other. It holds its form better, is of a more beautiful color, is sweeter and richer in flavor, shrinks less in processing.
- 8—Makes a fine evaporated berry, retaining color, form and flavor in a remarkable degree, and selling for fully one-third more than other berries.
- 9—Fruiting season uniform, extending from July 12th to August 15th; maintains its high quality to the last.
- 10—Its manner of fruiting is peculiar to itself, each berry growing upon a separate stem from two to four inches long, from which it is removed without crumbling.
- 11—Excellent shipper, never crumbling or crushing in handling or transportation.
- 12—Wonderfully prolific, yielding over 8,000 quarts per acre; 3,500 bushes produced an average of five quarts each, or 17,500 quarts. Finds a ready market.

Single plants 10 cents; twelve for \$1.00; 100 plants by express, not paid, \$6.00.



COLUMBIAN RASPBERRY.

Black Diamond Raspberry.

Sweet, Fine Flavored and Profitable. The Berry for Market and Drying.

Careful comparison with such sorts as Gregg, Ohio, Tyler and other prominent varieties has shown the Black Diamond to be of superior quality, much sweeter than others and with but few seeds. It is of vigorous growth and withstands disease without spraying. It is a great bearer. It is a tremendous yielder, having produced over 5,000 quarts per acre, and the berries grow in such manner as to make it easy of picking. It is a good berry for drying, the dried fruit being a jet black, and contains all the richness, fine flavor and sweetness of the fresh fruit. The combination of good qualities in the Black Diamond make it a most desirable raspberry to grow. *Price, plants, 35 cents each; dozen \$3.00.*

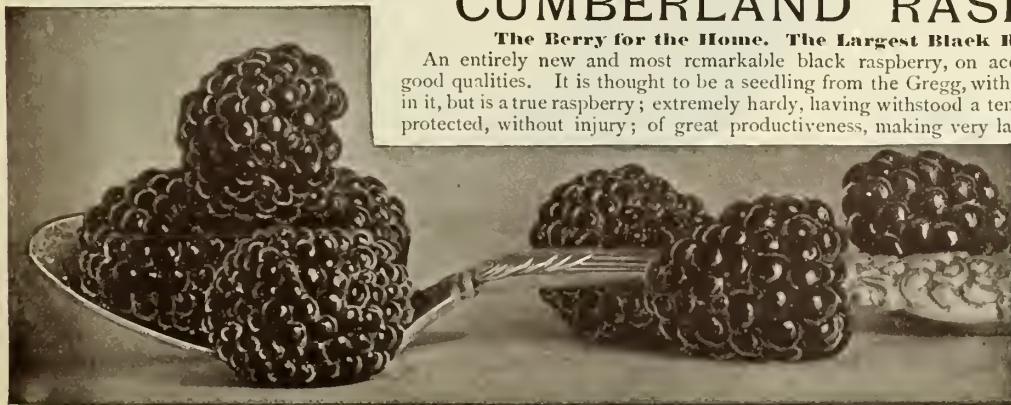
CUMBERLAND RASPBERRY.

The Berry for the Home. The Largest Black Raspberry Known.

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 the blackberry blood in it, but is a true raspberry; extremely hardy, having withstood a temperature of 16° below zero, unprotected, without injury; of great productiveness, making very large crops of enormous berries,

being about one inch in diameter; quality very good, equal to Gregg, which heretofore has been considered the finest of the blackcaps. The fruit is unusually firm and will stand shipping long distances; in season of ripening may be called a mid-season variety, coming in a short time ahead of the Gregg.

Plants, each 50c.; doz. \$5.00.



CUMBERLAND RASPBERRY COMPARED WITH WILSON BLACKBERRY



...THE...

RATHBUN BLACKBERRY

Surpasses the Dewberry in Quality.
Remarkably Productive.

The Largest of All Blackberries.

A TIP-ROOTING VARIETY.

Plant Hardy, Vigorous, and a great bearer.

Fruit very large, black and lustrous, and of the highest quality, and of excellent shipping capacity.

Since the character of the Rathbun Blackberry was made known to the public, in 1895, it has acquired an enviable reputation. Numerous visitors to the grounds of the originator have seen the plants while bearing, and have confirmed all the claims that have ever been made for it. At the experiment station at Ithaca it has also shown itself equal to all the representations made of it, as the authorities there testify. Our knowledge of the character of this plant, before it was sent out, enabled us to offer it to the public with full confidence that it possessed qualities of the highest excellence, and that would command for it the leading position as a standard variety, both for market and private cultivation. Three years' experience with it since that time has strengthened and confirmed our good opinion of it, and has also brought the approval of some of the best judges among the growers of small fruits. We, therefore, at this time, earnestly and seriously advise all growers who intend to plant the blackberry for market to give this variety their attention. It will bear any examination that is made of it, and whoever investigates its claims will be fully satisfied that it is superior to all others—that it is more reliable, more productive; that the fruit is of better quality, larger, handsomer, will better carry to market and present a finer appearance when offered to the consumer and, consequently, bring a higher price than any variety now before the public. These are high claims for the Rathbun Blackberry, but not more so than it has already proved.

The Three Leaders :

RATHBUN BLACKBERRY
COLUMBIAN RASPBERRY
BLACK DIAMOND RASPBERRY

One each 50c.; two each 90c.; three each \$1.25.

As a fresh fruit for table use there is no other variety of blackberry that will at all compare with the Rathbun. Besides being of large size it is soft throughout—that is without the hard core found in other blackberries, and it is sweet, high-flavored and luscious—so sweet that some will prefer to eat it without sugar. For cooking and canning purposes it is equally superior, as it shrinks but little and does not fall to pieces, retains its form well. As to the size of the berry, no better idea can be conveyed than is done in the statement made by Mr. Lawson York, ex-postmaster of Smith's Mills, N. Y., who, by request, made a count of a common quart strawberry box full, each of the Erie and the Rathbun, and reported that the box of Erie contained 164 berries and that of the Rathbun 45 berries. The market grower will fully appreciate the advantage a large berry has over a small one; the gain for him is two-fold—it costs less to pick the fruit, and from its superior appearance it brings more in market. In connection with the large size of the Rathbun Blackberry, there is another highly appreciated feature, which is that the fruit holds to a large size throughout the season; even the berries of the latest pickings are but little smaller than the first.

Price 25 cents each; \$2.50 per dozen. Special prices to fruit growers per 100 and 1000.

PLANTS

JONES' STRINGLESS WHITE SEED ROUND POD WAX.

This absolutely stringless bean, now offered for the first time, is the result of five years' systematic cross-breeding between Yosemite and a white seed cross from Ivory Pod Wax. It is of true bush type, free from any tendency to form runners. A week earlier than any strain of Black Wax, the pods forming very quickly and are long, perfectly round and exceptionally solid, of a delicate light yellow color, showing no coarseness even when past their prime; 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; also can be planted later in the season with the certainty of a crop. Only offered by the packet. *Price, 15 cents.*

ROGERS' "LIMA WAX."

A Decided Novelty. One of merit, and a most desirable acquisition as a snap bean. Named Lima Wax, as it has bright, glossy foliage, and the bloom resembles the Dwarf Lima. The pods are broad and flat. Pods are borne in the greatest profusion, often a single plant having fifty or more pods. As the pods form in clusters they sink beneath the dense foliage, which shields them from light showers, heavy dews and hot sun, which is a protection against their spotting or rusting and becoming soiled. Require thin planting (two beans being sufficient for a hill) on very rich soil; color transparent glossy lemon wax, having the yellow waxy appearance very soon after the pods are formed. When picked will retain their bright, attractive appearance for a long time and not become tough. We claim for this variety four essential points: (1) Productiveness. (2) Handsome colored and tender pods. (3) Delicious flavor. (4) White seeded and will make an excellent dry bean for baking.

Packet, 10 cents; per pint 40 cents; per quart, 75 cents.



THE JONES.



THE JONES.

Vick's Improved Danish Ballhead Cabbage

HARDEST HEADING VARIETY KNOWN.

Remarkable for great weight and long-keeping qualities. The fame of this particular strain has become world wide, and to-day 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. The heads are of medium size with few outer leaves, admitting of close planting; exceedingly fine, hardest of all, tender, crisp, solid, with no waste heart. A crop of this cabbage will average six pounds per head. Do not be deceived by other 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.

Price, per packet, 5c.; half oz. 20c.; oz. 30c.; lb. \$3.00.

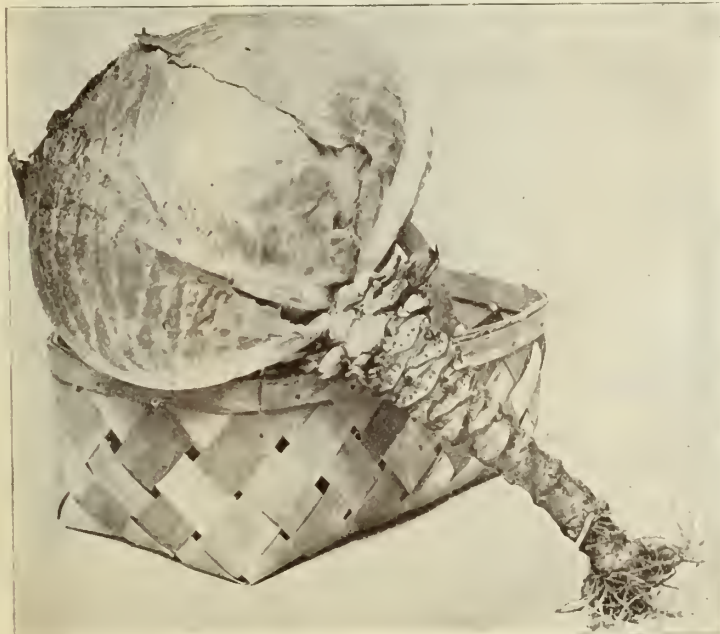
VICK'S NEW HERO LETTUCE.

This new, distinct and valuable variety we have bred up after several years experimenting, having at first received but a few seeds from a German family who brought the original seed from the "Fatherland;" and who, for years jealously guarded the crop, thereby controlling its market production.

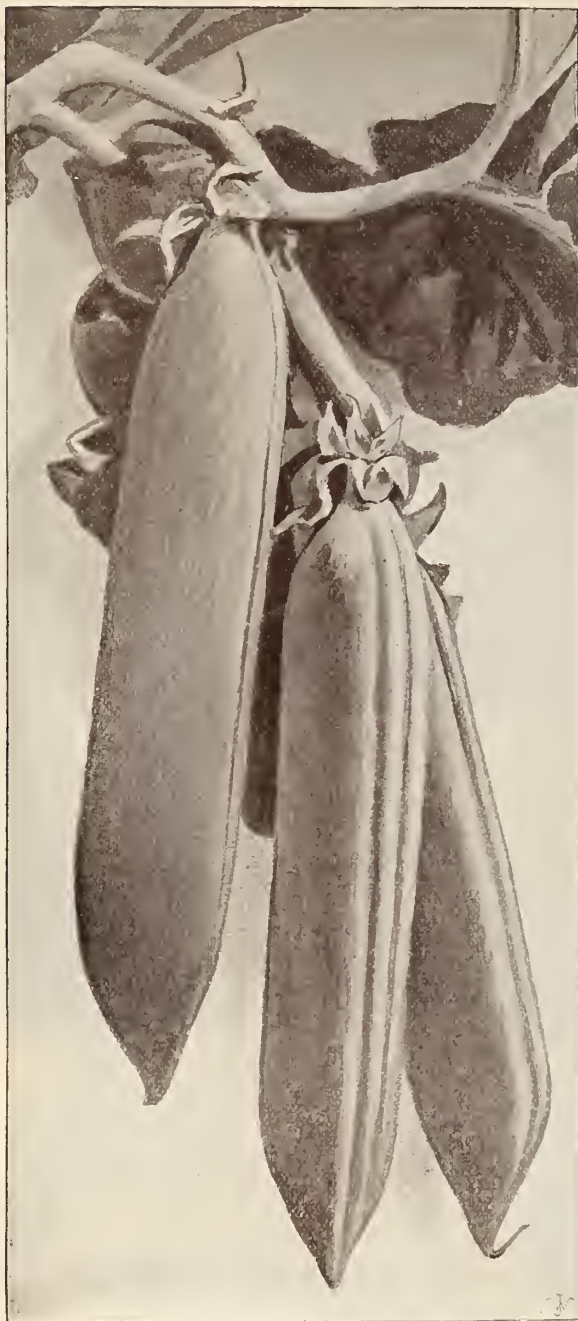
Vick's Hero in color somewhat resembles the well known Prize Head Lettuce, being red stained. It is of large size, prettily fringed, large leaved, crisp and tender and of a most delicious flavor. Its peculiar erect habit is a marked feature, and although being large in size and heavy in head, it does 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 packet, 15 cents.



SEEDS



THE DAISY PEA.

English Wonder.

A strong, robust grower, vines 12 to 15 inches in height. In season about same as Premium Gem. The pods are pointed, instead of square like American Wonder, and carry from five to six good-sized peas of delicious flavor, and 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. Owing to its dark green color, and holding same for a long season after picking, it will come into market in a fresh looking state after a carriage of several days.

Price 75c per quart; 40c per pint; 15c per packet, or one packet of the three for 40c, prepaid. 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 beyond 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, 75 cents; pint, 40 cents; packet, 15 cents, postpaid. If by express, at expense of purchaser, with other goods, deduct 15 cents per quart.

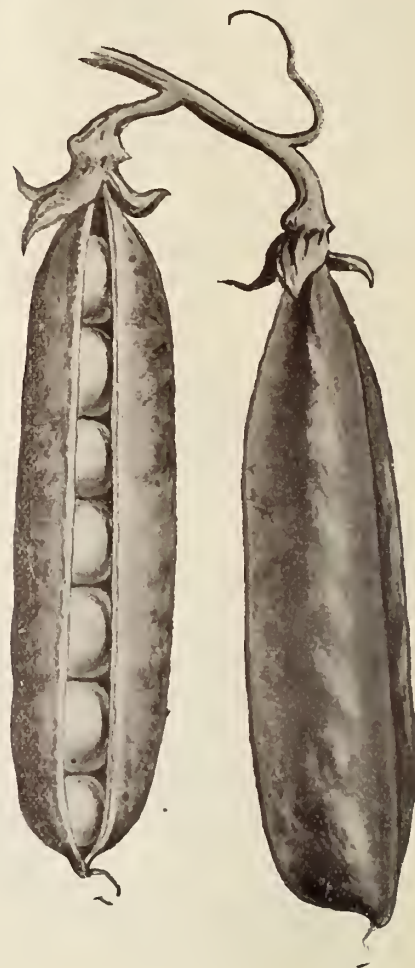
NEW SURPRISE PEA

EXTRA EARLY WRINKLED SUGAR

The New Surprise Pea which we offer this season (direct from the growers) is decidedly *the earliest wrinkled pea in market*.

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, 75c. per quart, 40c. per pint, 15c per packet. If by express at expense of purchaser, with other goods, deduct 15 cents per quart.



NEW SURPRISE PEA

SEEDS

THE GRADUS PEA

The Finest Early Green Wrinkled Pea of the Century.



Think
of it!
Early
as
Extra Early.
Pods Large
as
Telephone.

THE GRADUS.



THE GRADUS—THIS DISH CONTAINS 60 PODS.

"1897," show all three to be identical, except that **The Gradus** was more productive, made more pods to the vine, and generally more peas in the pod, showing it to be a superior strain of the variety.

As an Extra Early Pea, **The Gradus** is far superior to the smooth varieties, such as "Extra Early," "Philadelphia Extra Early," "First and Best," "Maud S," "Morning Star," etc., not only in its delicious quality, but also in the number of large peas in the pod, the varieties mentioned usually contain but four or five peas in the pod, and are almost without flavor, their sole value being extreme earliness, while the pods of **The Gradus** usually contain from eight to ten large peas and is made up of a combination of the most desirable qualities, viz.:

EARLINESS, DELICIOUS FLAVOR AND LARGE-SIZED PODS.

A fair comparison of the size of the pods is seen by our illustrations of two bowls of same size, filled with pods of **The Gradus** and Extra Early Peas. It required 126 Extra Early pods to fill the bowl, and only 60 pods of **The Gradus**. This is an important item to the Market Gardener, where the expense of picking adds greatly to the cost of the crop.

The Gradus is an ideal Extra Early Pea, one for which we have been looking a long time, and we are confident that it is destined to become the leading Extra Early Pea, both for private and commercial use.

Price, quart, \$1.25; pint, 75 cts.; 1-2 pint 40 cts.; pkt., 15 cts., postpaid.



THE EXTRA EARLY PEA—THIS DISH CONTAINS 126 PODS.

An English variety of Wrinkled Peas, the stock of which we procured direct from the originator, and take pleasure in introducing in America. Unlike most varieties of Wrinkled Peas, **The Gradus** is very hardy and can be planted extremely early; the vines grow about three feet high and are of very robust growth. The enormous pods are crowded with large peas of delicious flavor. Our trials of **Gradus** with the new English Peas "Early Morn" and the variety catalogued last year as

SEEDS

POTATOES.

Standard Varieties, Carefully Sorted and 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.

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.

... New White Beauty ...

The Best One Yet.



WHITE BEAUTY

It is with pleasure we introduce this Wonderful Potato. For many years we have been looking for a Potato that combined the following qualities: Size, yield and quality. We have found it in the White Beauty, and offer it with perfect confidence, knowing it will give satisfaction wherever grown. 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 effected with 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. We have the best White Medium Early Potato on the market in the White Beauty. Don't fail to give it a trial.

Price, per pound, 40 cents; three pounds, \$1.00, postage paid.

Price, per peck, \$1.00; per bushel, \$3.00; per barrel, \$6.00, by Express or Freight not paid.

AMERICAN WONDER.

LATE.

Large, White, Solid, Uniform, Smooth and Handsome.

The American Wonder is the best all-round white potato in cultivation at the present time. 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 strong and branching; foliage dark green. 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.

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. It is a perfect keeper. Both skin and flesh are of extreme whiteness. Foliage heavy, darkgreen color, vines strong and vigorous; tubers set while the vines are quite small, but do not ripen until late.

EARLY HARVEST.

EARLY.

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.

GOOD NEWS.

MEDIUM EARLY

A seed ball from White Star produced this healthy, vigorous seedling, yielding very heavy crops of smooth, bright, handsome potatoes with light pink skin and pure white flesh. Eyes few and set almost even with the surface, yet well developed and strong. Although medium early it keeps about as late without sprouting as White Star. It is undoubtedly a money maker, and growers who desire a choice article should not fail to try Good News.

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.

Price: per pound, 25 cents; three pounds, 60 cents, postage paid; by express or freight, not paid, peck, 50 cents; bushel, \$1.60; barrel, \$4.00. Excepting for Ohio Junior.

OHIO JUNIOR.

EXTRA EARLY.

This Potato originated with us in the year 1881, and although a chance seedling, it is without doubt in some way 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. It is an excellent keeper, very productive, of fine quality, and has proved to be a most valuable addition to our list of EXTRA EARLY varieties.

Price: per pound, 25 cents; three pounds, 60 cents, postage paid; by express or freight, not paid, peck, 75 cents; bushel, \$2.00; barrel, \$5.00.

SIR WILLIAM.

MEDIUM LATE.

This is another very fine, long white potato of recent introduction. It is of upright habit of growth and very vigorous. The tubers are long, full to the ends, of handsome appearance and fine quality. The Sir William has the peculiarity of giving nice-shaped tubers on heavy and compact soils, a quality very seldom possessed by long varieties. This is claimed by Dr. W. I. Chamberlain, ex Secretary of Agriculture, of Ohio, to be the best all around potato he ever grew.

VICK'S CHAMPION.

LATE.

One of the best potatoes for general use ever offered. It is a wonderfully strong growing variety, producing an abundant growth of tops, and very large white tubers that are covered with a light russet coating. The eyes are quite large, full, and nearly even with the surface. Tubers oval and full at the seed end. One of the most productive varieties ever offered, and a splendid keeper of excellent quality.

VICK'S PERFECTION.

SECOND EARLY.

One of the finest Potatoes we have ever grown for general purposes. Wonderful productiveness, fine appearance and good cooking qualities make it a great favorite. Tubers grow compact in the hill, large and uniform in size, oblong inclining to oval. Color white, with a tinge of pink around the eyes; vine is of strong, vigorous growth, yet stocky and short jointed, maturing about the same time as White Star.

WORLD'S FAIR.

MEDIUM EARLY.

After testing the World's Fair for several seasons, we place it in our FLORAL GUIDE with perfect confidence. It is 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.

WHITE OHIO.

We regret that we are unable to offer the White Ohio this season. The demand in '97 was so great that in filling all orders our stock of seed was greatly depleted, but another year we will have a fine, large stock.

... PLANTS FOR SPECIAL PURPOSES. ...

FOR CONSTANT AND BRILLIANT BLOOM.

Sweet Alyssum, All the dwarf Cannas, Calliopsis, Eschscholtzia, scarlet Geraniums, Nasturtium, Petunia, Phlox Drummondii, Portulaca, Sweet Peas, Verbenas, 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 Amblyodon, Geranium, Lady Albemarle 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 Josephus, 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, Calampelis scabra, 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 Achyrantes, and then one of Coleus. Much skill can be shown in selection of varieties. For a very large bed Ricinus Zanziariensis may be used for the center, and be surrounded by a row of the blood-red variety, and lastly by a row of the dwarf Guayanensis nanus.

PLANTS FOR CEMETERIES.

Anemone Whirlwind and Japonica, Astilbe Japonica, Achillea the Pearl, Alpine Aster, Eulalias, Gold Flower, Hemerocallis aurea and H. flava, Hydrangea paniculata grandiflora, Lilies, Lily of the Valley, Day Lily or Funkia alba, Chinese Peonies, Polyantha roses, Rose Madame Plantier, 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, Glaucium corniculatum, Heliotrope, Kaulfussia, Lobelia, Mignonette, Myosotis, Oxalis lasiantra and O. Deppei, Pansies, dwarf varieties of Phlox Drummondii, Pinks, Sanvitalia procumbens flore pleno, Saponaria calabrica, Veronica, Vinca, Violets.

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 796 illustrations. Just published. 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

Fences, Gates and Bridges. A needed and suggestive work. Amplely illustrated. Synopsis of Fence Laws of State. Cloth, 12mo. \$1.90

Farming for Profit. By John E. Read. A practical work for the American farmer. Illustrated. Cloth. \$3.00

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. L. Taft. A complete treatise for professionals and amateurs; 100 illustrations and plans. Cloth, 12mo. \$1.50

Gregory on "How to Grow Cabbages." A practical treatise by a practical man, J. J. H. Gregory, giving full details on every point. Paper, 12mo. 30 cents

How Crops Grow. By Prof. Sam'l W. Johnson of Yale College. Treats of the chemical composition, structure and life of plants, their best de-

velopment and growth; germination of seed. Very valuable. Illustrated. Cloth, 12mo. \$2.00

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

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

Mushrooms; How to Grow Them. By Wm. Falconer. The most practical book published, showing how to grow for profit in cellar, woodshed or barn. Illustrated. Cloth, 12mo, \$1.50

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. 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

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, Canna, Dahlia, Datura, Eulalia, Euphorbia heterophylla and E. marginata, variegated Grasses, Hollyhock, Lupinus, tall varieties of Marigold, Mirabilis, Sweet Peas, Ricinus, dwarf Sunflowers, tall Sunflowers.

ORNAMENTAL-LEAVED PLANTS.

Amaranthus Sunrise, A. salicifolius and A. tricolor, Abutilon Souvenir de de Boom, Achyrantes, Anthericum, Aspidistra, Begonias, Canna, Caladium esculentum, Coleus, Chamæpuce diacantha and C. cassabouze, Euphorbia heterophylla and E. marginata, Eulalia of different varieties, Ferns, Ficus elastica, Glaucium corniculatum, Grevillea robusta, variegated-leaved Geraniums, Othouna, Perilla Nankinsis, Palms, Ricinus, Strobilanthes Dyerianus, Smilax, variegated-leaved Vincas.

PLANTS FOR RIBBON BEDS.

Ageratum, Sweet Alyssum, Achyrantes, Alternanthera, Coleus, Cuphea platycentra, Geranium, Heliotrope, Lantana, Lobelia, Portulaca in colors, Ten Weeks Stock in colors, Verbenas in colors.

CLIMBING PLANTS.

Annelopsis, Aristolochia, Adlumia cirrhosa, Bignonia radicans, Convolvulus major, Cobæa scandens, Cypress vine, Clematis, Cardiospermum halicacabum, Calampelis scabra, 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, Alonsoa, Anthericum vittatum variegatum, Abutilon, Artillery plant, Begonia, Canna, Cobæa, Coleus, Cuphea platycentra, Dracena indivisa, Feuzilia dianthiflora, Fuchsias, Grammanthes gentianoides, Grevillea robusta, Geraniums, Heliotropes, Lobelia, Lantana, Mimulus, Myosotis, Maurandya, Manettia vine, Mexican Primrose, Madeira vine, Nolana, Nierembergia gracilis and N. frutescens, Oxalis floribunda alba and O. f. rosea, Othouna, Portulaca, Petunia, Rivina humilis, Schizanthus, Sanvitalia procumbens flore pleno, Solanum jasminoides grandiflorum, Tropæolum, Thunbergia, Torenia Fournieri and T. Bailloii, variegated forms of Vinca major, Veronica, Vinca Harrisoni.

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, Negelia, Pansy, Sweet Peas, Petunia, Portulaca, Phlox Drummondii, Poppy, Salpiglossis, Sensitive Plant, Tropæolum Tom Thumb, Zinnia.

lettuce, cauliflower, radish, asparagus, rhubarb, cucumber, musk melon and other plants. Cloth. \$1.00

The Dahlia. By Lawrence K. Peacock. Full details for the cultivation of the Dahlia, finely illustrated. 50 cents

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

The Nursery Book. By L. H. Bailey. A complete guide to the multiplication of plants. Third edition. Cloth. \$1.00

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. Cloth. 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 Home Floriculture. By Eben E. Rexford, on the treatment of flowering and other ornamental plants in the house and garden. Mr. Rexford gives the result of his own wide and personal experience as a florist and amateur, and every page of the whole work indicates the thorough, practical character of all his instructions. Cloth, 12mo. \$1.00

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

TAKE NOTICE.—Achyrantes are tender plants, and should have been listed on page 69 instead of page 63. Please remember they are not hardy.



BOUQUET COLLECTION
 TWELVE CHOICE VARIETIES.
 FOR DESCRIPTION SEE PAGE 16

OUR FULL LIST OF SWEET PEAS AS FOUND ON PAGES 51 AND 59 INCLUDE ALL VARIETIES INTRODUCED UP TO DATE AND FROM WHICH AFTER CAREFUL AND REPEATED TRIALS, WE HAVE SELECTED THE ABOVE TWELVE AS THE VERY CHOICEST OF THE WHOLE LIST, AND IN ORDER TO ASSIST OUR CUSTOMERS IN ORDERING HAVE GIVEN THE COLLECTION THE NAME OF

"CHALLENGE BOUQUET."
 THE TWELVE VARIETIES FOR 40 CENTS.

- 1 STANLEY.
- 2 MRS. JOS. CHAMBERLIN.
- 3 NEW COUNTESS.
- 4 VENUS.
- 5 LADY PENZANCE.
- 6 THE BRIDE.
- 7 LOTTIE ECKFORD.
- 8 BLUSHING BEAUTY.
- 9 BLANCHE FERRY.
- 10 MARS.
- 11 MRS. ECKFORD.
- 12 HER MAJESTY.

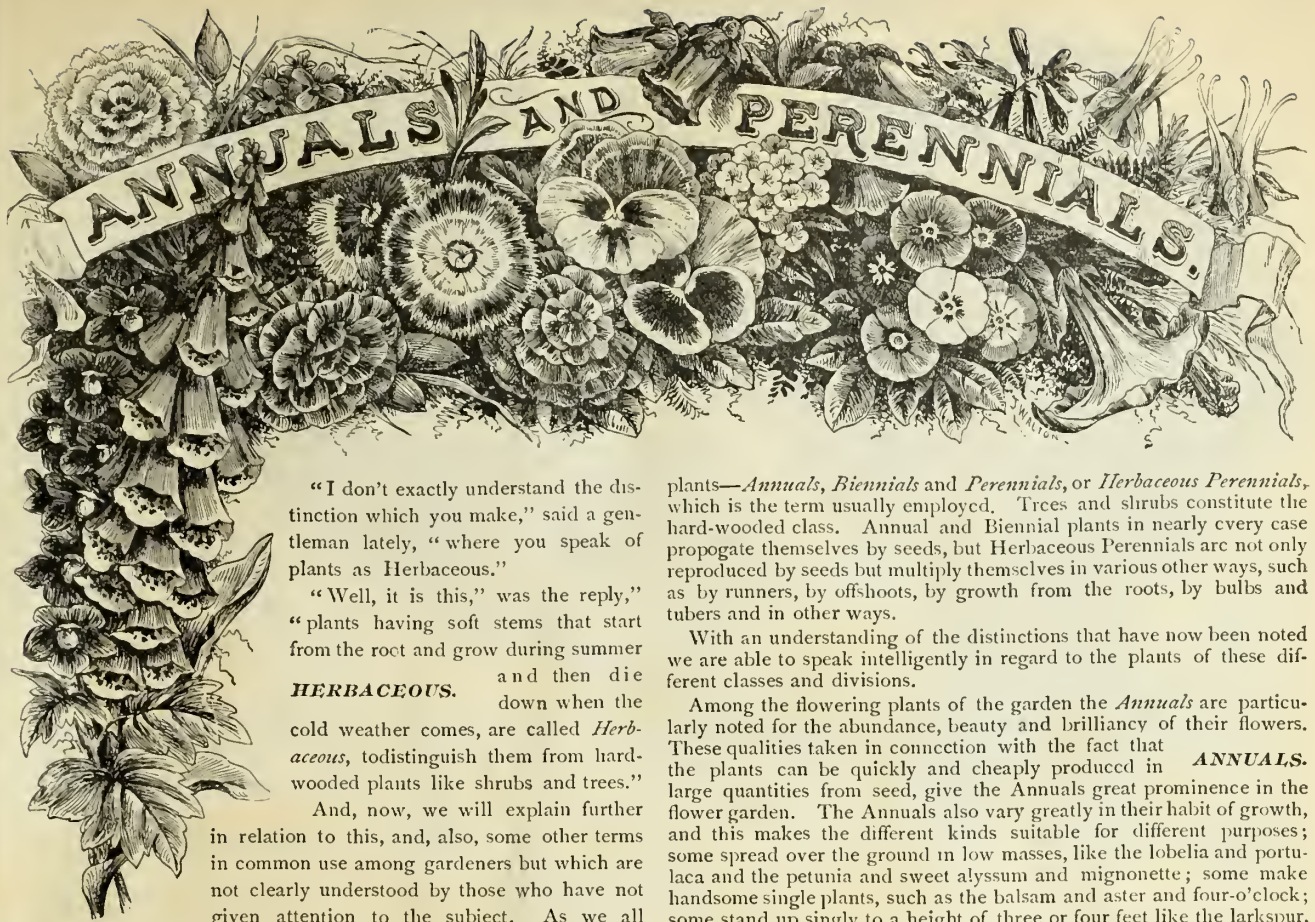


CLIMBING NASTURTIUMS.

EXTRA FINE MIXTURE, SELECTED FROM CHOICE NEW VARIETIES

SEED PER. PK'T. 10¢ OUNCE 25¢

SEE PAGE 14.



"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, also, some 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. There is as much difference in this respect among plants as among animals. An elephant may live nearly two centuries, while the whole life of some kinds of insects is but a few hours. 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. *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 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. *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 *Biennials* will live over into a 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. *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 multiply themselves in various other ways, such as by runners, by offshoots, by growth from the roots, by bulbs and tubers and in other ways.

With an understanding of the distinctions that have now been noted we are able to speak intelligently in regard to the plants of these different classes and divisions.

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, and this makes the different kinds suitable for different purposes; some spread over the ground in low masses, like the lobelia and portulaca and the petunia and sweet alyssum and mignonette; some make handsome single plants, such as the balsam and 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 ipomœa and the cobœa and cypress vine and the climbing nasturtiums and the 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. The verbena is another plant of this kind, the plants of which arrive at maturity very rapidly and commence to bloom early in Summer and continue until cold weather comes.

Of *Hardy Herbaceous Perennials* there is an immense variety, many of them producing very beautiful flowers. An important consideration in regard to these plants is that when once planted and established they are permanent members of the garden, continuing in health and vigor for years, and perpetuating themselves in numerous offsprings. Many of the *Perennials* bloom very early in the Spring, and when the *Annuals* have scarcely started, and they are particularly desirable on this account; such are the violet and columbine and hellebore and others. Some bloom late in Autumn like the Japan anemone, others at various times during 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 some species of the aster, notably the Alpine aster, the *Astilbe Japonica*, the *Dicentra*, the *Perennial larkspurs*, *Perennial poppies*, pinks, pœonies, daisies, lilies, day lilies and numerous others; this class also includes some beautiful climbers. Some of these plants are tuberous, like the dahlia and tuberose and gladioli, 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.**

ASTER

Utrera.



NEW GIANT COMET ASTER.

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 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

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, mixed colors 10

Separate colors, white, crimson, dark violet, rose and white, azure blue, azure blue and white, white passing to light blue; the Bride white passing to rose; per packet 15 cents; or any three for 40

GIANT EMPEROR

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

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

IMBRIQUE POMPON

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

PAEONY-FLOWERED GLOBE

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

QUEEN OF THE EARLIES, or Early Market

This is an improved strain of our own gathering. It is fully three weeks earlier than any other variety. It should be cultivated by all up-to-date florists. Plants dwarf and branching; pure white and quite double flowers, valuable for cutting 10

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

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 Paeony-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. We call especial attention to our New White, Pink, Purple, Crimson, Striped and Mixed Branching Asters. They should be planted eighteen inches apart as the branching habit is accompanied with great vigor of growth and profusion of bloom. Flowers are of extraordinary size, exceedingly graceful and handsome, and are borne erect on very long stems; they are finely curled and twisted so as to resemble greatly some of the handsomest varieties of the Japanese Chrysanthemums. The time of bloom of the Branching Aster is later than all other varieties of the Aster tribe, and this gives the plant special value, thus lengthening out the flower season in a most satisfactory manner.

BALL, OR JEWEL

A new and beautiful class selected from the well known Paeony 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

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.

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

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, and white, light blue, dark scarlet, purple and violet; each color 10

Dark Scarlet, new; beautiful and effective 15

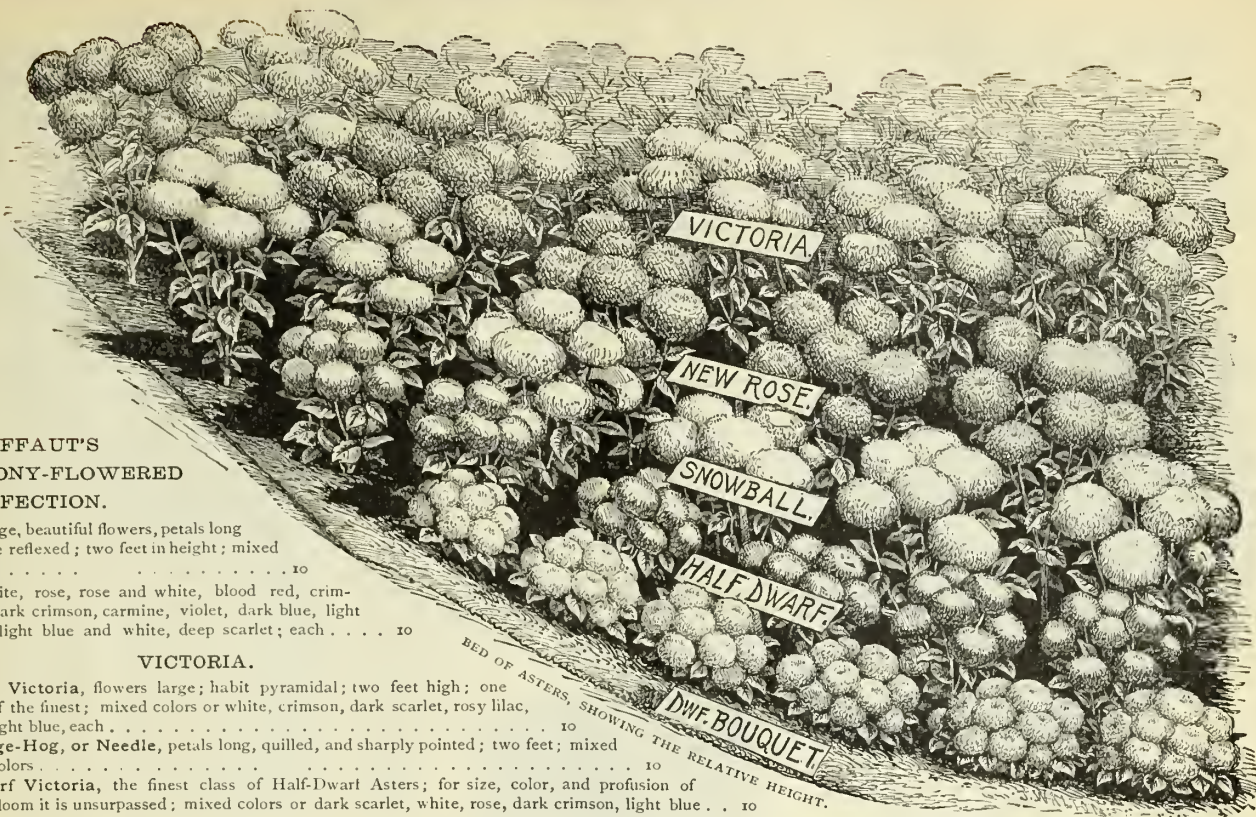
SNOWBALL

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



VICK'S NEW BRANCHING ASTER.

SEEDS



**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

VICTORIA.

New Victoria, flowers large; habit pyramidal; two feet high; one of the finest; mixed colors or white, crimson, dark scarlet, rosy lilac, light blue, each 10

Hedge-Hog, or Needle, petals long, quilled, and sharply pointed; two feet; mixed colors 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 . . . 10

BED OF ASTERS, SHOWING THE RELATIVE HEIGHT.

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

ANTIRRHINUM.

The Snapdragon, (Antirrhinum) is a well known and favorite plant, easily raised from seed sown early in spring in warm dry soil. Plants erect and branching in habit, eight to twelve inches high. If the plants are not weakened by blooming too much the first year they will stand over winter and bloom another year. In poor dry soil they bloom best and last longer. A few leaves scattered over the plants will give a little protection in winter in cold climates. If the flowers are cut before seed forms the plant will have much greater power of endurance for another season. To produce good flowering branches for the second season, cut back a number of branches in midsummer about one-half or two-thirds; then new shoots start out which are ready to bloom the following spring. Flowers are beautiful in form and of great variety of brilliant colors and markings.



Antirrhinum, *Brilliant*, scarlet and

yellow; *Carnation Striped*, irregularly striped; *Firefly*, orange and scarlet, with white throat; *Galathe*, crimson, throat white, large; *Luteum*, yellow; *Papilionaceum*, blood red, throat pure white; *White*. Seven varieties, each 5
 Fine Mixed 5
 Extra Fine Mixed, from selected show flowers 10
 Tom Thumb, about six inches high, mixed colors 5

AGERATUM.

Leberbalsam.

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. It is well-to sow the seeds under glass early in the season, but they may also be sown in a mellow seed bed in the open. The plants serve well in carpet bedding. Seeds sown in August will produce plants for winter blooming. Perennial, blooming the first season from seed.

Ageratum conspicuum, white, 18 inches . . . 5
Mexicanum, blue, two feet. 5
Mexicanum albiflorum, white flowered, two feet. 5
L a s s e a u x i i, 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

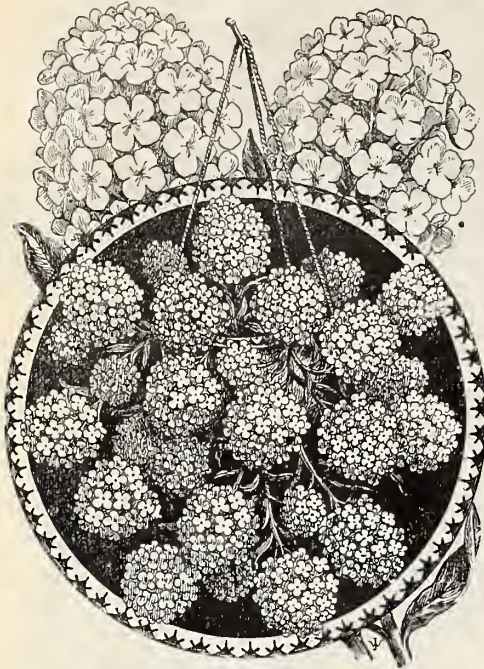


These prices prepay the goods to your home (except when noted.)

ALYSSUM.

Steinfraut.

Every garden should have Sweet Alyssum, and plenty of it; its small white flowers, borne in great profusion, are delicately fragrant and valuable for cutting; it is a good basket and pot plant. In the border the seeds are sown thickly so as to make a mass of plants, or they are placed in lines for edging; it is a very valuable plant for carpet bedding, giving a pure white sheet as a contrast to colored flowers adjoining. It is desirable to sow the seeds early in spring or even in the previous autumn. In a fine mellow soil the seeds will germinate freely and quickly; they are very reliable in this respect. To prepare a basket of it for winter blooming, fill with good rich soil, and sow



SWEET ALYSSUM IN HANGING BASKET.

the seeds about the last of August. If the plants come up thickly thin them out; a dozen plants, at most, are enough for a good sized basket. When out of bloom cut back and they will produce another crop of flowers.

- Alyssum, Sweet, hardy annual; flowers small and sweet; one foot 5
- Benthami compactum, (Little Gem) a new dwarf, compact annual variety, not over six inches in length, bearing its pure white fragrant flowers in greatest profusion during the entire summer 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

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. Perennials, blooming the first season.

- 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, and is an Annual.

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

ARGEMONE. Hardy annuals, mixed 5

AGROSTEMMA. Annual. Mixed varieties 5

ANAGALLIS.

- grandiflora superba, mixed colors 5

ASPERULA AZUREA SETOSA. Hardy annual, sweet scented 5

odorata, Perennial 5

ARABIAN PRIMROSE (Arnebia cornuta) a beautiful annual, one plant often producing from 100 to 150 spikes of charming flowers over 3/4 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 and two feet high 20

AQUILEGIA.

Affelen.

This plant is best known under the names of Columbine and Wild Honeysuckle. The plant thrives well with ordinary garden culture, but is quite at home under the spray of a fountain or by the water side. By many it is thought this flower should be adopted as the National flower, as it is found in nearly every State in the Union. It has the National colors, red, white and blue, part of the flower resembles the Cap of Liberty, five parts of the flower to the points of star and Columbine with Columbus.

The flowers are very peculiar and striking in form, and unlike any others; each flower has five spurs or nectaries, and in some species these spurs are developed to a great length. These spurs secrete honey, and the flowers are quite fragrant. The plants form large clumps from one to two feet in diameter, and produce a large number of flowers. Like a good many of our perennials, this flowers early in the spring. Seeds may be sown in the open ground. Plants can also be increased by division of the root.

- Aquilegia, Carnation, or Striped, white, with red stripes; double 10
- leptoceras chrysantha, the beautiful, large-flowered, canary yellow variety, obtained first from Arizona. Excellent 5
- Skinneri, very beautiful; colors scarlet and yellow 10
- cœrulea, flowers very large; sky-blue and white 10
- glandulosa vera, very fine; large dark purple 15
- Mixed varieties, single and double 5

AMARANTUS.

Bmarauth.

Our warm summer suit admirably the varieties of *Amarantus* cultivated for ornament. These are plants which are striking on account of their foliage or peculiar mode of bloom. The seeds start readily in a warm, open and dry soil. 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 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 in height 5
- cruentus, (Prince's Feather), flowers somewhat similar to *A. caudatus*, but in erect masses 5
- Henderi, an improvement on *A. salicifolius*; foliage beautifully variegated; two feet; should be in every collection 10
- Sunrise, the most brilliant of the family. The top of plant brilliant crimson, the lower leaves dark maroon 25
- tricolor, (Joseph's Coat), red, yellow and green foliage; two feet 5
- Mixed varieties 5



AQUILEGIA.



AMARANTUS SUNRISE.

BALSAM, *Impatiens balsamina*.

Balsaminen.

The Garden Balsam is a native of India, and likes a bright sun and warm weather, and our summers usually are well suited to it. 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. If sown in the open ground it should not be done until the ground has become warm in the latter part of spring. 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. By this time they will have made numerous roots, and they can be moved with a small ball of soil attached, especially if watered a short time previously. In this way they will never feel the move and will go on growing without interruption. Set the plants at least a foot apart, in soil that has been well enriched, and they will branch out in every direction, making handsome little pyramids which will soon be covered with flowers. Annual.

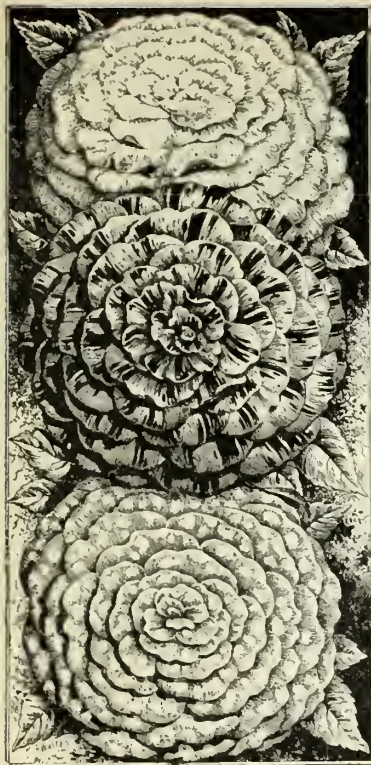


- Balsam, Improved Camellia-flowered, flowers very large, extra double, superb strain; mixed colors . . . 10
- Camellia-flowered, Extra Choice White, double . . . 10
- “ “ Deep Blood Red, very double; extra fine . . . 15
- Camellia-flowered, Spotted, very double; spotted with white; mixed colors . . . 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 . . . 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

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

- Collinsia, mixed varieties . . . 5



BRACHYCOME.

Kurzköpf.

The Brachycome, or Swan River Daisy, is a charming flower, in white and blue varieties, or that of the wild plants, while the white has been produced under cultivation. The plants grow about eight inches in height and bloom freely. The seeds can be sown in the house early in the spring, and the plants afterwards set out in the ground where they are to bloom, or the seeds can be sown in the ground after the fine weather in spring has come. This flower is an original, simple beauty, and needs no art to heighten its charms. The flowers are fine for cutting. Annual.

- Brachycome iberidifolia (Swan River Daisy), blue, and white, separate or mixed . . . 5

CENTROSEMA VIRGINIANA. This plant is the one which was formerly sent out as *Centrosema grandiflora*. The plant is a low climber, usually about two feet in height, but under favorable conditions and rich soil, running up to five feet. The leaves are three foliate, and the flowers are large, purple, pea shaped and very handsome. The seed should be sown under glass or in the house early in spring and the plants hardened off and planted out early. With good care they will come into bloom in July and continue through August. The plant is perennial, and with proper care can be kept for years . . . 10

- CRUCIANELLA STYLOSA.** Perennial . . . 5
- CLEOME SPECIOSISSIMA.** Annual, sometimes called Spider Flower . . . 5
- CACALIA.** Half-hardy annuals, with tassel-like bloom, called Flora's Paint Brush.
 - coccinea, scarlet . . . 5
 - coccinea flore-luteo, yellow . . . 5



SWAN RIVER DAISY.

CAMPANULA.

Glockenblume.

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. We never yet saw a bell-shaped flower improved by doubling.

- Campanula carpatica, perennial, blue and white mixed . . . 5
- Medium (Canterbury Bell), flowers large, plant two feet in height, single varieties mixed . . . 5
- Double varieties, mixed, 5
- Lorei, blue and white mixed . . . 5
- speculum (Venus Looking Glass) . . . 5
- calycanthema, beautiful biennial variety . . . 10
- grandiflora, perennial large deep blue . . . 10
- pyramidalis, biennial, fine, large flower, white and blue . . . 5



CAMPANULA MEDIUM.

- CARDIOSPERMUM HALICACABUM,** or Balloon Vine, annual . . . 5

- CALANDRINIA.** Grandiflora rose. Annual . . . 5
- CREPIS.** Hardy annual, mixed . . . 5
- BARTONIA, aurea,** 18 inches in height. Half-hardy annual . . . 5
- BROWALLIA.** Half-hardy annual. Mixed . . . 5

SEEDS

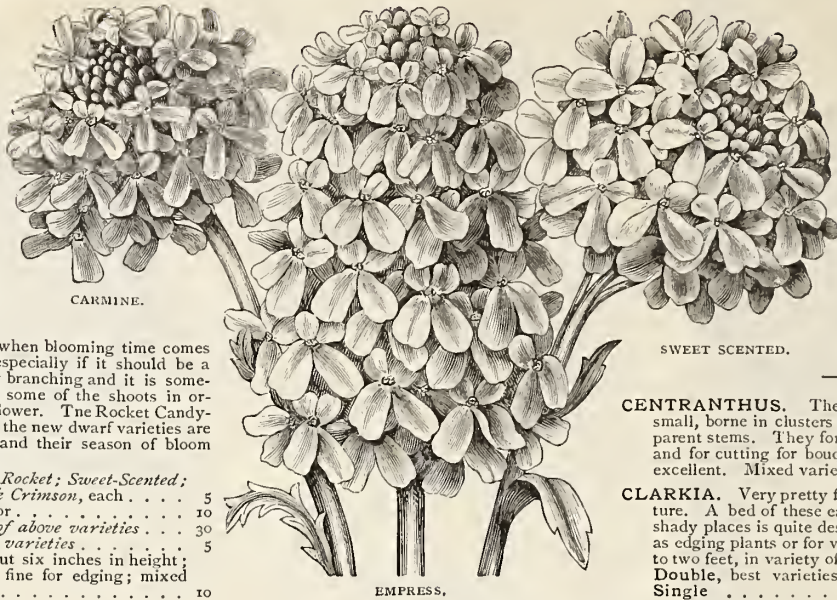
CANDYTUFT

The Candytufts have long been among the most highly prized of garden annuals, and cultivation has done much in producing improved varieties.

The seeds of the purple Candytuft were introduced into English gardens about three hundred years ago, having been brought from Candia whence the name Candytuft. 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 six or eight inches apart and thin out the plant 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 should be a dry time. The plants are very branching and it is sometimes necessary 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 Color; Extra Dark Crimson, each 5
- New Carmine, true to color 10
- Collection, separate colors of above varieties 30
- Mixed colors of above seven varieties 5
- New Dwarf Hybrid, about six inches in height; blooms the entire season; fine for edging; mixed colors 10



Candytuft Empress, new pure white, large size, finest variety in cultivation. Strong, free grower, eighteen inches in height, producing several immense trusses of flowers, five to eight inches in length, and two and a half to three inches in diameter, individual flowers of large size. To secure the best results sow under glass so that good, strong plants may be obtained for setting in the open ground when soil is warm. Set plants four inches apart. Per packet 10 cts.

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

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

CASSIA.

The Partridge Sensitive Pea.

This is one of our native annuals. 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.



The 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 are produced freely until destroyed by frost.

Price 10 cents per packet.

CHRYSANTHEMUM.

Chrysanthemum.

The glorious and showy autumn-blooming Chrysanthemums, which are now so much admired and cultivated, have their relatives among summer annuals which are easily raised from seed. The 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—a border on the east or northeast side of the house would be desirable. Pinch them back until July 15th to make them grow branching and full.

- Chrysanthemum Burridgeanum**, (Lord Beaconsfield), rich crimson-maroon, striped and edged with gold. Gold circle surrounding rich brown eye 10
- venustum**, white, crimson center; one foot 5
- Golden Feather**, white, banded crimson, inner ring canary yellow, maroon eye 5
- The Sultan**, main color same as Burridgeanum, but having a deep golden-hued rim around the eye 5
- W. E. Gladstone**, new and entirely different from the other varieties, in color a brilliant crimson 5
- Eclipse**, showy and very striking, colors a combination of yellow, purplish-scarlet and dark brown 5

- Double white 5
- Double Yellow 5

One package each of the above eight varieties 40c.

Marguerite or Paris Daisy, one foot, pure white 10

Carinatum Plenissimum, (new.) Foliage yellow.

A notable addition to the new section of golden-leaved annual chrysanthemum. The large and double flowers are of all colors, the red shades being especially represented. The plants are only half the height of the ordinary variety and will be found very useful in the garden and as cut flowers 20

Mixed annual varieties 5

Chrysanthemum seed from show flowers, selected from our own collection. Price 20 cents per packet.



CHRYSANTHEMUM.

CATCHFLY. 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.

Catchfly (Silene), white, red and rose mixed 5

THREE ROSES that flower all summer; the hardiest and best climbing roses known, grow from eight to ten feet in a season, one plant has been known to have three hundred blossoms at one time. Immense trusses of sweet-scented roses—yellow, white and crimson climbing over the piazza, and only 40 cents for this set of Three plants of Rambler Roses; add them to your order—they are perfectly hardy.

CENTAUREA.

Blütenblume.



The Centaureas form a large family, and are perfectly hardy annuals. *C. Americana* has the largest head of flowers, and is known as the Basket Flower, because the involucre has the appearance of a basket.

- Centaurea Cyanus**, (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, five colors, each* 5
- Sweet Sultan**, mixed varieties 5 | **New Varieties Mixed** 10
- Americana**, very large flowers; lilac purple 10

These prices prepay the goods to your home (except when noted.)



CARNATION.
Gartennette.

FROM EXTRA CHOICE GERMAN SEED.

The most beautiful of all the *Dianthus* family. Flowers large, handsome and delightfully fragrant; a rival of the Rose. Seed may be sown under glass in the spring, or in the open ground, and the second summer the plants will flower. Some of the plants will have single flowers, and these can be pulled up. 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, 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
- New Marguerite.** 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. Should be cultivated by all 10

CELOSIAS

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 New Japan Cockscomb far excels every other variety in the varied forms and beauty of the combs and the brilliancy of their color. It not only sustains its original character, but seems to like the American climate and soil. In many specimens the comb is so nicely cut as to resemble the finest coral, both in form and color, and this form is well represented in the engraving herewith. Some of the side branches also assume the square instead of the comb form.

The Feathered Celosia has large feathery plumes of great size and beauty. Our *Celosia superba plumosa* is the very best of this class in cultivation, and comes true from seed. The feathery heads are often a foot in length, bright crimson, but do not reach their best until towards autumn, when their brilliancy overshadows everything near them.

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

VICK'S JAPAN COCKSCOMB.



COSMOS.

Cosmo.

This is 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, resembling single Dahlias in form. Planted in pots and brought inside to flower like Chrysanthemums, they are grand. They are of various shades from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. One of the best flowers. 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, lasting several days in water. The foliage is one mass of feathery emerald-green. The flowers, white, pink and crimson, lasting till early frost. If grown in pots and housed by the end of September they will flower all winter. Mixed per packet 10

- Pure White Pearl 5
- Pink Beauty 5
- Scarlet 5
- Fine Mixed 5

New Early Dwarf, large flowering, "DAWN." The plants of this new variety are more bushy and compact than the older varieties and grow 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. A strong free bloomer and of easy cultivation. 15

CANNA.

Blumenrohr.

The seed shells are round, the size of a good sized bullet, hence the name of Indian Shot. They are very hard, and some soak them in warm water for several hours before planting or pour quite a quantity of scalding water on them after planting, or file a hole through the shell, thus allowing the passage of water to the seed, which in swelling breaks through the hard covering. The second year will give good seed plants.



- 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 very 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, clear yellow, splashed with orange 10
- Mixed varieties 5

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

CALLIOPSIS.

Schöngeist.

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. Seeds grow very readily, and may be sown where plants are to flower.

- 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
- Golden King, dwarf, fine for cutting 10
- Extra choice mixed, from named flowers 10
- Mixed colors 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.

- Mixed Varieties 5

CALENDULA is the name of the old and well-known Pot Marigold, prized by housekeepers in Europe for flavoring soups and stews. The flowers are dried in autumn and kept in paper bags for use. In mild climates this plant will bloom nearly every month of the year. Seeds can be sown in early spring in open ground.

- Prince of Orange, very fine, color intense orange 5
- Meteor, handsome, double and beautifully striped, the petals having a creamy center edged with orange yellow 5
- Mixed varieties 5

CONVOLVULUS.

Die Winde.

Everyone is acquainted with the old Morning Glory, Convolvulus major, but the dwarf Morning Glory, Convolvulus minor is less 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 two-thirds the size of those of the Morning Glory, and a bed of them form a beautiful mass.

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



SEEDS



DIANTHUS.

Chieser-Keller.

The varieties of Dianthus known as Chinese Pinks and Japanese Pinks are among the most brilliant of our garden flowers, and are worthy of particular care. Plants of the tall sorts are from twelve to fifteen inches in height; those of the dwarf varieties are only a few inches high. These last make 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. The plants bloom all through the summer, and also the second season if protected in the winter.

- Dianthus, The Bride, (New), white with purple center, very pretty 10
- Crimson Belle, brilliant dark red; very handsome. 10
- Eastern Queen, an exquisite rose color 10
- Salmon Queen. A very distinct and perfectly new tint, the most brilliant salmon color imaginable, changing into a rosy salmon 10

One package each of these four charming varieties only 35 cents.

- Chinensis, best double varieties mixed. 5
- Double Imperial Pink, mixed 5

- Dianthus, imperialis, double, white and red striped 5
- imperialis, double, white and purple striped. 5
- imperialis, blood red, double 5
- imperialis, double white 5

One package of each of the above six varieties 25 cents.

- Heddwigii, double white; large double flowers 10
- Heddwigii, double mixed 5
- Heddwigii, large, single flower, three inches in diameter, beautiful rich colors, finely marked; mixed colors 5
- Heddwigii Mourning Cloak, rich blackish crimson, tipped and fringed with snowy white 10
- laciniatus, single; flowers very large, sometimes three inches in diameter; very deeply fringed and beautifully colored, mixed 5

- laciniatus, double; magnificent flowers; very large; petals deeply serrated, mixed colors. 5

mixed seed of last six varieties. (Heddwigii and laciniatus). 5

- Diadem Pink, one of the most marked of the Heddwigii varieties; brilliant markings and dazzling colors, mixed 10

Best Dwarf Varieties mixed 5

Pink, 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 5

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.

PERENNIAL VARIETIES.

The perennial Delphiniums are valuable plants, the foliage clean and pretty, habit strong and good, the flowering branches are often four feet in height, the spikes of flowers six inches or more in length. They are propagated by division of roots and from seed. Sow seed in the spring, and strong plants will be produced by autumn that will flower the 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
- 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

DELPHINIUM—(Larkspur.)

Bittersporn.

ANNUAL VARIETIES.

The Delphiniums are beautiful plants, generally known as Larkspurs. They prefer a cool soil and season. Sow the seed in the autumn, or very early in the spring. Branching varieties grow two feet in height and should be planted eighteen inches apart. The Rockets should be set in rows five or six inches apart.

- Delphinium, Double Dwarf Rocket, mixed colors 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 of each of the above 25 cents.

We pay the postage or express charges (except when noted.)



PERENNIAL DELPHINIUM.

ANNUAL DELPHINIUM.

DOUBLE DAISY.

Gefülltes Maßliebchen.



DOUBLE DAISY.

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 the Daisies grown from seed this is decidedly the best. It is an unusually large type. The flowers are perfectly double and of the purest white, having stiff, long stems; it is most valuable for cutting for bouquets. Price, two packet for 25 cents 15



PLANT OF DOUBLE DAISY.

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

DOLICHOS. From six to twenty feet in height.

- Lablab (Hyacinth Bean), a fine climber, with purple and lilac flowers 5
- albus, white flowered 5

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 5
- grandiflora, perennial; large, brilliant flowers; excellent for cutting; mixed varieties 10
- Mixed varieties, annual 5

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



GAILLARDIA

GREVILLEA ROBUSTA.

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

- FENZLIA DIANTHIFLORA 15
- GLAUCIUM CORNICULATUM. (Horned Poppies.) Leaves silvery white, something like "Dusty Miller." Hardy 5
- GEUM ATROSANGUINEUM FL. PL 10
- HEDYSARUM. Perennial, scarlet. 5
- HONESTY, PURPLE. Lunaria biennis is a plant that is known as Honesty 10
- IPOMOPSIS 5
- KAULFUSSIA. Hardy annuals; mixed 5
- LOASA. (Climber.) lateritia 10
- LUPINUS. Called Sun Dials. Hardy; mixed colors 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

EMMENANTHE PENDULIFLORA.

California Yellow Bells.

The Yellow Bells of California, as it is called, form a broad bush eighteen 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 in mellow soil early in spring, or as soon as frosts are past, where they are to grow.



CALIFORNIA YELLOW BELLS.

- California Yellow Bells, seeds per packet 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 colors; 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 (except when noted.)

EUPHORBIA.

Balsamthyanze.

Euphorbia heterophylla. Known as "Fire on the Mountain," "Mexican Fire Plant," "Annual Poinsettia," and "Painted Leaf." An annual, forming

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.

Price per packet, 10 cts.

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

At these prices the goods are delivered



ESCHSCHOLTZIA.

Eschscholtzie.

(CALIFORNIA POPPY.)



ESCHSCHOLTZIA, OR CALIFORNIA POPPY.

This is California's lately chosen State flower, now well known as the 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 yellow, orange and white, and are produced in great profusion all summer. Plants of easy culture. 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, shape of the Cross of Malta. **Mandarin.** Large flowers, inner side of petals a rich orange, the outside a brilliant scarlet. 5

Rose Cardinal. A charming variety, producing freely, beautiful large flowers of intense carmine. 10

Orange, yellow and white, separate color, each. 5

All varieties mixed. 5

LINUM. Common Flax. Seed may be sown either under glass or in the garden.

grandiflorum rubrum. Half-hardy annual, bright crimson. 5

mixed varieties. 5

LEPTOSIPHON. Hardy annuals. 5

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



A HEDGE OF ROSES.

Think of a hedge of White, Yellow and Crimson Rambler Roses, covered with flowers in June, and producing many immense trusses of sweet-scented flowers all summer.

Could Anything be More Superb?

This set of three plants of Rambler Roses,—Crimson, Yellow, and White, all perfectly hardy,—delivered at your postoffice for only 40 cts.

SEEDS

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.

Godetia Bijou, six inches in height, and covered with a mass of beautiful, pure white flowers, marked with a dark rose spot at the base of each petal. 5

Duchess of Albany. Handsome, very large, glossy, satiny flowers. 5

Lady Albemarle, brilliant dark crimson, very large; plant one foot in height. 5

Satin Rose, bright rose, 5

Whitneyi Brilliant, dwarf compact plant, with rich carmine flowers. 5

Gloriosa. Very showy new variety of same habit and dwarf compact growth as the "Lady Albemarle compacta" from which it differs essentially by its 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. 15

One package of each six above 35 cents.

Best varieties mixed. 5



HOLLYHOCK.

Ratue.

Hollyhock is a very good substitute for a Camellia or a white Rose, as a center of a bouquet. We do not now think of one as good, except the double Balsam. 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. The Hollyhock is biennial. New plants are obtained from seed and by dividing the roots. Seeds sown in the summer will give plants that will endure winter. The Hollyhock will last a great while, for several years, if not allowed to flower too freely. Plants, are however, so easily grown from seed that little trouble is taken to preserve old plants. The plants may be protected during winter with a little straw and evergreen boughs, or leaves.

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

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



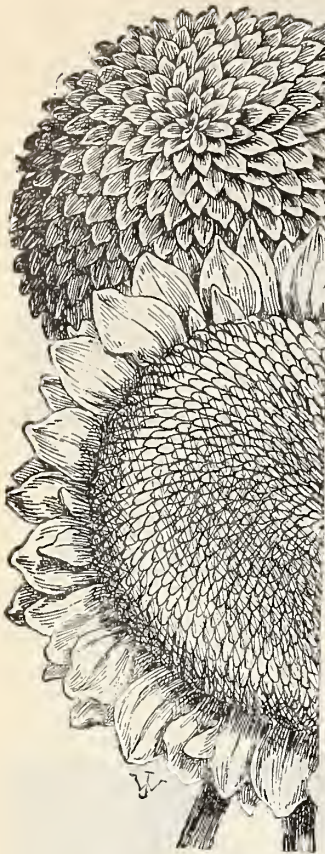
HELIANTHUS.

Sonnenblume.

Coarse, tall plants, from four to eight feet in height, bright yellow flowers. The well-known old Sunflower is a Helianthus. The best double varieties produce a very good effect among shrubbery, and when used as screens. The Sunflower is hardy and some times reproduces itself from self-sown seeds. The seeds of the single varieties are of considerable value for oil as well as for feeding poultry. See also Helianthus, described under "Hardy Plants and Bulbs," varieties that are attracting much attention. They can be obtained only as plants, and we recommend our friends to try them.

- Helianthus globosus fistulosus**, best of the Sunflowers; very large; double 5
- Double Green-centered**, a 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 25 cents 5

- HARDY HIBISCUS, CRIMSON EYE.** See description in Plant Department. Will not flower from seed the first season. 10
- MESEMBRYANTHEMUMS.** Or ("Midday Flowers") are pretty, half-hardy annuals, with delicate, succulent, almost transparent branches and leaves. Of drooping habit and adapted to baskets, vase work, and rockeries. The flowers of the Ice Plant are small and white. The Ice plant has a smooth, light green, dewy-looking leaf, and a very pretty pink flower.
- Ice Plant**, prized for its singular icy foliage. 5



LOBELIA.



LOBELIA CRYSTAL PALACE COMPACTA.

Some of the Lobelias are hardy perennials, like the Cardinal flower; annual varieties are of various styles of growth; some are of trailing habit; others make low-growing, branching plants, while others form compact little plants, fine for edgings, etc.

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

ANNUAL VARIETIES.

- Crystal Palace compacta**, dark blue, the best for edgings and carpet-bedding 10
 - Emperor William**, light blue, compact, very fine 10
 - erinus compacta**, deep, rich blue 10
 - erinus compacta alba**, white 10
 - hybrida grandiflora**, large, dark blue flowers, with white eye 10
 - Prima Donna**. Dwarf and compact with rich velvety maroon flowers 10
 - White Gem**. Forms a ball of snow-white flowers, presenting a fine appearance 10
 - Golden Queen**. A new and valuable addition. It makes a most striking contrast with its bright golden-yellow leaves and brilliant blue flowers 15
- One package of each of the above nine varieties 80 cents.
- Mixed varieties for baskets, etc. 10

- MALOPE**. Strong growing, two feet.
- grandiflora**, large purple flower 5
- grandiflora alba**, pure white 5
- MARTYNIA**. Hardy annuals; mixed 5

MARIGOLD. Sammtblume.



FRENCH MARIGOLD. *Tagetes signata pumila*, a beautiful plant, forming a globular, dense mass; fine for bedding and borders 5

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, the French produce the best flowers. 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.

- African Marigold**, mixed varieties 5
- French Marigold**, striped, yellow and brown 5
- " **Tall Varieties**, mixed 5
- " **Dwarf Varieties**, mixed 5



DWARF MARIGOLD, LITTLE BROWNIE.

- Dwarf Marigold, Little Brownie**. A charming single flowering pigmy plant, about six inches high; very effective in masses or borders; colors a brilliant gold, blotched with maroon 10
- Legion of Honor**. New single dwarf, yellow and brown; very pretty plant, 10
- Gold Margin**. New and fine 10

One package of each of the above 20 cents

MIMULUS. Mittagsblume.

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 cupreus**, beautiful, orange and crimson 10
- hybridus tigrinus**, as beautifully spotted as the Calceolarias 10
- hybridus tigrinus grandiflorus**, with beautiful durable flowers 10
- Musk Plant**. 5
- quinquevulnerus maximus**, from best varieties 10

One package of each of the above 40 cents.

Mixed varieties 5



MIRABILIS.

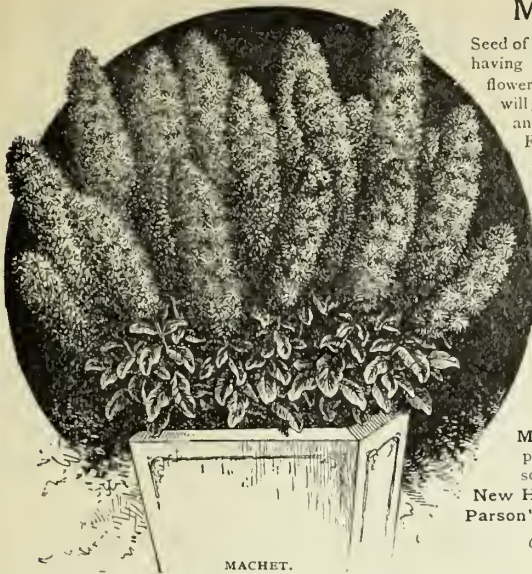
Mirabilis, or Four O'Clock, growing two feet high, bright foliage, fragrant flowers and desirable colors. Set plants two feet apart. Makes a nice summer hedge if set a foot apart. Seed should be planted in the open ground where the plants are desired. Opens in the afternoon. Perennial, blooming the first season.

- Mirabilis, Marvel of Peru**, mixed colors 5
 - Variiegated 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.



MIGNONETTE. *Refeda.*

Seed of Mignonette 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. New Spiral has long, strong spikes, as shown in the engraving. Very few cultivate the common Sweet Mignonette compared with the many that might show their love of this sweet little flower.



MACHET.



HYBRID SPIRAL

- Mignonette, Sweet, well known, fragrant little hardy annual; per oz., 15 cents . . . 5
- odorata grandiflora ameliorata, large variety of Mignonette, reddish tinge to flowers; per oz., 15 cents 5
- Golden Queen, a very fine new and distinct variety, with flowers of a golden hue; the best of recent introduction 5
- Machet, plant dwarf and vigorous, of good habit, producing many large spikes of very sweet-scented red flowers; fine for pot culture . . . 10
- New Hybrid Spiral, robust plant, long spikes . . . 5
- Parson's White 5

One package of each of the above 30 cents

- Golden Machet. This variety has all the excellencies of the popular Machet Mignonette, 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
- White Diamond (new) This new introduction has features distinct from those of any mignonette 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

MYOSOTIS.

Bergijmeiniacht.

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

- Myosotis alpestris, blue; six inches 10
- alpestris, white; six inches 10
- alpestris rosea, rose; six inches 10
- alpestris robusta grandiflora, large flowering, of pyramidal habit; very fine 10
- palustris (*Forget-me-not*), white and blue 10
- Azorica, var. caelestina, flowers sky-blue . . . 15
- Mixed varieties 10



MYOSOTIS.

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

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 seed-bed to be transplanted. Excellent for rock-work, baskets, etc. Mixed varieties 5

NICOTIANA.

Rabaköypflanze.

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



All goods listed in this Catalogue delivered free of postage or express charges, except when noted.

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 . . . 5

GENOTHERA.—EVENING PRIMROSE. (Genotheras 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 in the morning.

- Genothera 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

OXYURA CHRYSANTHEMOIDES. Hardy annual 5

PENTSTEMON. Perennial border plant; mixed . . . 5

PERRILLA NANKINENSIS. Annual 5

PALAPOXIA HOOKERIANA. Annual 5

PYRETHRUM. It would be well to sow seed under glasses, 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.

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

PHACELIA CONGESTA, light blue, good for bee food. Annual. Ounce 20 cents 5

NIGELLA.

LOVE IN A MIST. May be sown in the open ground early in the spring. Hardy annuals.

- Nigella Damascena (Love in a Mist), double; one ft. 5
- Damascena nana, dwarf variety of colors; six in. 5
- Hispanica, large-flowered; one foot 5
- Fontanesiana, like Hispanica, blooming two weeks earlier 5



One package of each 15 cents.

Pansies



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. Often plants that produce flowers two and a half inches in diameter during the cool, showery weather in spring, will give only small specimens during the dry weather of summer. 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.

Vick's Superb Pansies.

It has been our boast for the 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, so delicate in pencilling, nor so uniformly large in size as our own. To satisfy ourselves that our **Superb Mixture** was still in the lead we again secured samples of all the well known specialists in Pansy growing, and in a trial, fair and just, we find our **Superb**

Mixture still retains its superiority over and above all others. If you want the best Pansy grown get our **Superb Mixture**.

PRICE.

Per packet, 50 cents;
Two packets, 80 cents.



- Pansy, Azure Blue, extra fine 10
- Black, with bronzy center, fine 10
- Bronze-color, very good 10
- Dark Blue, very rich and constant 10
- Dark Purple, rich, deep purple; very fine 10
- Emperor William, fine, large flower, ultramarine blue, with violet-purple eye 10
- Fire King, gold yellow, upper petals purple 10
- Havana Brown, new shades 10
- King of the Blacks, almost coal black, coming true from seed 10
- Light Blue, lovely shades of sky blue 10
- Lord Beaconsfield, deep purple violet, shading off to white hue 10
- Mahogany-colored, a very fine variety 10
- Meteor, new bright brown 10
- Pure Yellow, with dark center, generally true to color 10
- Purplish-Violet, distinct and fine 10
- Quadricolor, new and distinct; colors very brilliant 10
- Red, bright, coppery colors, but not strictly red 10
- Red Riding Hood, red 10
- Silver Edged, dark purple with white border. A charming variety 10
- Snowy White, good form and size, generally coming true from seed 10
- Striped and Mottled, extra, and very showy 10
- Violet, with white border 10
- White, sometimes slightly marked with purple 10
- Yellow Gem, clear yellow, without eye 10
- Yellow-margined, beautiful color, with margin or belt of yellow 10

One package of each of above twenty-five \$1.85.

- Mixed Seeds of the above sorts 10**
- Extra Choice**, very large flowering, mixed colors. The seed of this mixture is grown under our own supervision and is very choice 25
- Odier**, or **Large-eyed**, dark spots on petals, large eyes, very showy 25
- Bugnot**. The French strain is a beautiful but shy seeding class having very large flowers with very broad blotches, and from the large spots extending delicate pencillings to the extreme edge of the petals. The seed is of our own growing, saved from selected plants 25
- Cassier's Giant Blotched**, very large, rich and showy. Of the popular Odier type, of fine form and good substance. Plants neat and compact. 25
- Giant Trimardeau**, 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. Mixed colors 25
- Peacock**, large peacock blue flower, with white edge 25

One package each of the above five beauties \$1.00.

SEEDS

PEERLESS POPPIES

Bohu.

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. All the Poppies are perfectly hardy.

Vick's New Brilliant.

This beautiful Poppy is received with favor wherever grown. It is a superior variety, of strong, robust growth, two to three feet high. Flowers having a variety of bright colors; pure white with a pink tinge, scarlet, rose, purple, and other shades. The ends of the petals or fringes are frequently of a deeper tint than the rest, and are so beautiful and bright as to be almost dazzling to the eye. Round as a ball and perfectly double. Unsurpassed for cutting, as they keep much longer than the ordinary Poppy 10

SHIRLEY.

Perfectly hardy, and flowers profusely the first season from seed. Flowers large, exceedingly graceful and elegant; generally single or semi-double; the colors range from bluish-white, rose, delicate pink, and carmine to bright sparkling crimson . . . 10

MIKADO.

The flowers, large and loose, resemble the Japanese Chrysanthemum, while the petals are cut and fringed in the most attractive manner. The color is pure white at the back, while the edges are of a brilliant crimson scarlet 10

One package of each of the above three 25 cents

- Poppy, Danish Flag, flowers brilliant scarlet, with a large silvery-white blotch at the base of each petal, forming a white cross on scarlet ground. 5
- Pæony-flowered, large flowers, very double 5
- Ranunculus-flowered, small double 5
- umbrosom, flowers bright vermilion, with a shining black spot on each petal; very showy 5
- Scarlet Single, the single Scarlet Corn, or Field Poppy, of Europe; very gorgeous 5



- Poppy, Carnation-flowered (somniferum fl. pl.) (Double Opium Poppy), splendid large double flowers; mixed colors 5
- somniferum (Opium Poppy), true, single, per pound 90 cents; per ounce 15 cents 5
- One package of each of the preceding seven 30 cents.*
- Mixed varieties 5

ICELAND POPPY.

(Papaver nudicaule.)

Raktengelige Mohn.

The fragrant, elegant crushed-satin-like flowers are produced in unceasing succession from June to October. The flowers last fully a week if cut soon as open.

- Iceland Poppy, Pure White. 10
- Bright Yellow 10
- Bright Orange 10

Collection of three Iceland Poppies 25 cents

- Finest Mixed 10

POPPY, "THE TULIP."

A new and distinct variety, and a decided novelty. Plants from twelve to fourteen inches high, producing well above the foliage fifty to sixty large splendid flowers of the most vivid scarlet imaginable. From a mere description no adequate idea can be gained of its strikingly beautiful effect. It commences blooming early in June and flowers abundantly for a period from six to eight weeks.

- Poppy, Tulip. 10

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 shrubbery. 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

~ ~ ~ **LATER INTRODUCTIONS** ~ ~ ~

- Poppy, American Flag. Beautiful variety, flowers large and double, snow white bordered with scarlet. 10
- Fairy Blush. Pure white, double flowers, beautifully fringed and tipped with rose 10
- White Swan. Immense double flowers, elegantly fringed, and of purest white 10
- Golden Gate. Single, semi-double and double flowers in the greatest variety of colors 10
- New Cardinal Poppy, (new hybrids.) Like the Scarlet-flowering type, these new varieties grow about 18 inches high. Their habit is erect and compact and they have a deeply-laciniated dark green foliage. Among the diverse and beautiful shades appearing in the flowers are chamois and brilliant rose on light ground and purple, crimson and brick rose on black brown or violet ground 15

One packet each of the above five for 50 cents.

THREE RAMBLER ROSES White, Yellow, and Crimson, for 40 cents

Last year one of these varieties sold for 50 cents. A plant of the White alone is worth the price. Flowers produced in magnificent large clusters, sweet-scented, and flowers all through the summer. Perfectly hardy. Add the White, Yellow, and Crimson Rambler Roses to your order,—only 40 cents for the set of three plants.

SEEDS



◆ PHLOX ◆

Blumenblume.

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 an annual or perennial will give more satisfactory return for the outlay.

The Phlox Drummondii, for a mass of splendid colors and a constant display, is not excelled by any other annual or any perennial that we are acquainted with. It has every desirable quality for this purpose. The colors range from the purest white to the deepest blood purple or crimson, and yellow, and striped, the clear eye of the Phlox being peculiarly marked. Seed may be sown in the open ground in May, or in hot-bed or cold frame earlier; and in either case, from June, during the summer and autumn, the plants make a most brilliant show of flowers. Set the 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. Phlox usually comes very true from seed, so that it is particularly desirable for forming ribbon beds, and if a plant of a wrong color is found it can be easily removed, and the place will soon be filled, for the Phlox is a vigorous grower when it has room.

The seed of the Phlox is perfectly hardy, and we have good success in planting in the autumn, but it must be sown so late that the seed will not start in the fall, as the plants will not bear frost. Early spring is generally the best for sowing. We grow several acres of Phlox every year, devoting much care to its improvement, and our strain of Phlox Drummondii is the best the world produces.

Phlox, Deep Blood Purple	10
Brilliant Scarlet	10
Violet Queen, violet, with large, clear white eye	10
Carmine Queen, beautiful carmine, with large, white eye	10
Leopoldii, splendid deep pink, with white eye	10
Rose	10
Rose, with white eye	10
Violet and Lilac	10
Pure White	10
Pure White, with purple eye	10
Chamois Rose, very delicate and fine	10
Isabellina, a light dull yellow	10
Radowitzii Rose, striped with white	10
Radowitzii Crimson, striped with white	10
Radowitzii Violet, striped with white	10
William I., Scarlet striped white	10

One package of each of the above sixteen \$1.30.

All varieties mixed	5
Vick's New Double White , a 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 grandiflora splendens, bright scarlet, white eye	10
Pure White, large	10
Elegans, margin rose to crimson, large round, white eye	10
Dark Purple, with white eye	10
Dark Purple, striped with white	10
Scarlet, splendid	10
Rose-Carmine, with white eye	10
Quadricolor Rosea, rose petals	10

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

Choice mixed	10
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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, nana compacta crimson, striped with white	10
Carmine, dark eye	10
Carmine-Rose, white eye; very fine	10
Chamois Rose, fine shade of rose	10
Cinnabarina, cinnabar-red, with small, white eye	10
Fireball, bright scarlet	10
Deep Rose, crimson eye	10
Snowball, pure white	10
Violet and Lilac	10

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

Best varieties mixed	10
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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
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Premium. A beautiful colored plate of Phlox Drummondii, 10 inches high by 21 inches long, painted by the celebrated artist PAUL DE LONGPRE at a cost of *Three Hundred Dollars*. The charming tints displayed in a mixed bed of annual Phlox are here grouped together in a very artistic manner, giving a fine selection of the choicest colors of this great favorite of the garden. When suitably framed it will make a very elegant souvenir for the parlor or sitting-room, or simply

mounted on cardboard will be a handsome addition to the portfolio. This beautiful colored lithograph will be given as a premium free to any person sending Fifty cents for Phlox seed, or it will be mailed to any address on receipt of only Thirty Cents; or to any person sending

10c. for Phlox seed and	25c. in cash
25c. " " "	20c. "
30c. " " "	15c. "
40c. " " "	10c. "
50c. " " "	FREE.

PORTULACA.

Portulac.

The Portulaca is a popular, hardy, creeping annual, 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. When everything else is perishing for lack of moisture, the Portulaca will give its largest flowers and brightest colors. The Portulaca does best in a light soil. It makes a brilliant bed, on the lawn. There is a great variety of colors both among the single and the double sorts. 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 we always wait until the first flower opens, so as to be entirely sure of the colors. The perfect double Portulaca forms no seed so that seed must be saved from semi-double flowers, and from 50 to 75 per cent. of the plants from this seed will usually give double flowers.

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 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.



PORTULACA SEEDS

In our Complete list

of Sweet Peas, as found on page 58, we have classed in alphabetical order all the varieties introduced up to date. Perhaps some of our customers, not having the time or inclination to critically examine each and every description of the numerous varieties, would prefer to have us make a selection. With this in view we have carefully chosen the twelve named sorts as found in Novelty pages and on colored plate. We fully believe they will give universal satisfaction. A few sprays of each of these massed into a bouquet will make a handsome display.



PETUNIA

Petuni.

There are two distinct kinds of single Petunias; the Grandiflora sorts with large flowers; and the small-flowered section, which gives abundance of bloom. These last are sold as Blotched and Striped, Fine Mixed, and Countess of Ellesmere, and make wonderfully pretty beds, few things better. The latter flowers are pink and come always true from seed. For showy beds, therefore, the small-flowered kinds are best, but for little groups of plants, or single plants, the Grandifloras are admirable, the flowers often being four inches in diameter. Petunia 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 than the Petunias, giving flowers from early summer until after frost. The seed of the Double Petunia do not possess as much vitality as those of the single, and a good deal of care must be used to get them to germinate, nor will they all become double.

LARGE FLOWERED PETUNIAS.

Petunia grandiflora Kermesina, crimson	25
grandiflora intus aurea, large flowers, yellow throated, very fine and distinct	25
grandiflora maculata, splendid spotted	25
grandiflora venosa, variety of colors, beautifully veined	25
grandiflora alba, large flowered, white	25
grandiflora rosea, large flowers, bright rose, white throat	25
grandiflora marginata, large flowered, bordered and veined with green	25
grandiflora violacea, one of the noblest of the large-flowered Petunias, and of a rich violet	25

PRIMULA.

Prinzel Aurikel, Schüffelblume.

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, and P. veris is the English Cowslip. Seed in our country must be sown under glass.

Primula auricula, fine mixed	25
auricula, from named flowers	50
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
elator (Polyanthus), fine mixed	10
vulgaris, Wild English Primrose	10

PHYSALIS FRANCHETI. This is 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 and enclose a cherry-like fruit of the same color. This is edible and especially recommended as a preserve. The intense color of the seed-pods make 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

SEDUM CERULEUM. Annual. Good for rock-work and masses; blue 10

SAPONARIA CALABRICA. Desirable for small pots or edgings, pink 5
alba, white 5

grandiflora superbissima, magnificent flowers of extra large size, the very deep throat beautifully veined to the base 25

One package of each of the preceding nine \$1.90.

grandiflora, choice mixed, from show flowers 25

Choicest Double. The seed we offer is the best to be obtained. The double Petunia bears no seed and but little pollen 25

Tick's New Fringed, a strain with fringed and frilled edges, very distinct and beautiful, and coming true from seed 25

One package of each of the above three 60 cents.

SMALL FLOWERED PETUNIAS.

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. Admirably adapted for massing, as well as for pot culture 10

Countess of Ellesmere, dark rose, with fine white throat 10

Blotched and Striped 10

One package of each of the above three 25 cents.

Fine mixed, suitable for boxes or bedding 5

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.

Price, per packet 25 cents.

ROCKET.

Nachtviol.

The sweet Rocket is a very hardy biennial, bearing clusters of single flowers, and fragrant during the evening. The colors are purple and white. The plant with fair culture, will grow eighteen inches in height, and seed will germinate readily in open ground. Perennial.

Rocket, Sweet Purple	5
Sweet White	5

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 two feet in height, and bear hundreds of blossoms.

Schizanthus, best varieties mixed 5

BROMPTON STOCK.

Winter-Gevolje.

The Brompton Stock is a biennial. Both the plant and its flowers are larger than the annual, and the spikes longer and bolder. It is a misfortune for us that the Brompton Stock cannot endure our winters, but plants grown in open ground can be removed to the house in autumn, where they will flower well if not kept too hot and dry. In spring they can be transferred to the garden.

Stock, Brompton, best mixed colors	10
Tree Giant Cape Winter	10



PRIMULA.

RICINUS. Wunderbaum.

The stately and imposing 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.



- Ricinus macrocarpus, whitish, beautiful; 6 feet 5
- purpureus, magnificent; 6 feet 5
- Borboniensis, beautiful, large leaves; 10 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, stock and fruit rose; 6 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 5
- Communis. Castor Oil Bean, (Palma Christi), per lb., 40 cents; per oz., 10 cents 5

One package each of the above ten 40 cents.

Mixed varieties Zanzibarensis, (Zanzibar Castor Oil Plant). Entirely new and distinct. Their gigantic leaves, two to two and one-half feet across, and the great size of the plant, surpass any other known Ricinus. Their 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 dark 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 10

Sensitive Plant
Zinn-oder Schamflanze.

The Sensitive Plant is really a pretty plant, and 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.

Mimosa pudica, a tender sensitive annual 5



SCABIOSA (Mourning Bride).

Wittenblume.

The tall Scabiosas grow eighteen inches in height, the flowers being on very wiry stems. The dwarf sorts are about eighteen inches in height. Sow in the garden or under glass. Plants, if thrifty in the autumn, not weakened by over-flowering, often bloom the second season.

- Scabiosa all colors mixed 5
- Double Tall, mixed 5
- Double Dwarf, mixed. Very pretty, compact plant 5
- stellata, starry seed vessels; excellent for winter bouquets 5

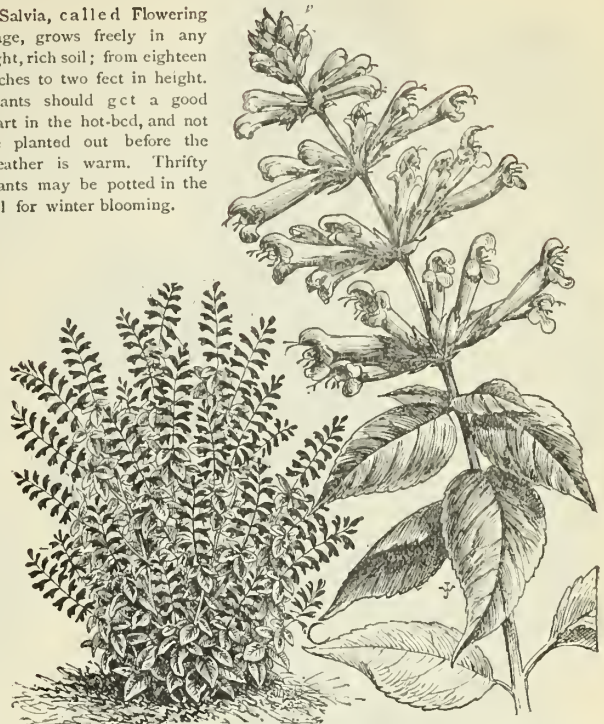


Scabiosa, Double Yellow. A distinct new color, obtained after many years of careful selection 10
 Double White (Snowball). Very pure white 5
 Royal Purple. A rich, large-flowered claret color, double 10

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 the hot-bed, and not be planted out before the weather is warm. Thrifty plants may be potted in the fall for winter blooming.



- Salvia splendens, true; large, scarlet 10
- coccinea Lactea, pure white 10
- Römeriana, scarlet 10
- patens, flowers of a delightful blue 20

SALPIGLOSSIS.

Trompetenzunge.

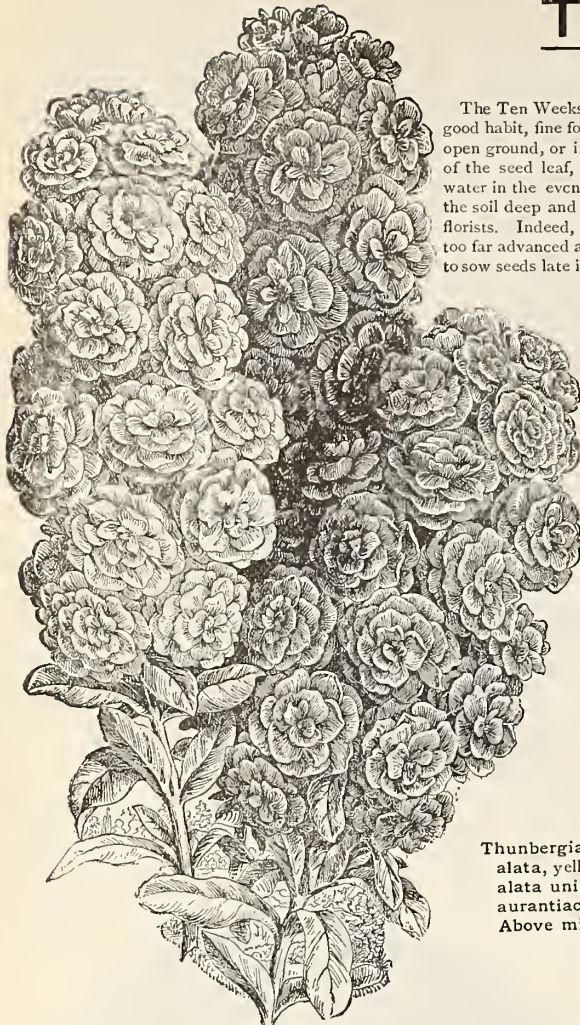


Salpiglossis is a splendid half-hardy annual, with flowers of a peculiar richness, very delicately and beautifully pencilled. About two feet in height. Seeds may be sown under glass, but do well in the open ground, if the soil is light.

Salpiglossis grandiflora, mixed colors, from very choice plants 5

TEN WEEKS STOCK.

Sommer-Lebfoje.



TEN WEEKS STOCK.

The Ten Weeks or Annual Stock presents nearly or quite all the requisites of a very perfect flowering plant,—good habit, fine foliage, beautiful flowers of almost every desirable tint. Seeds of the Stock may be sown in the open ground, or in a hotbed or coldframe, but if transplanted let this be done when the plants are small, just out of the seed leaf, or the plants become slender and do not flower well. A little shade from the hottest sun, and water in the evening, will add much to the size, beauty and durability of the flowers. Set a foot apart. Make the soil deep and rich. Some of the varieties are desirable for winter flowers, and are used for this purpose by florists. Indeed, any of them will do well in a house that is tolerably cool and moist. If the plants that are not too far advanced are taken up carefully in autumn and potted they will flower finely in winter. It is a good plan to sow seeds late in the season for this purpose. Although not a constant bloomer, like Phlox, Petunia, etc., the flowers endure for a long time, and the side shoots give a succession of flowers, under favorable circumstances, for months; indeed, the growth and flowering seem almost perpetual when the plant can obtain a needed supply of moisture.

- Stock Largest-flowering Dwarf**, dwarf habit, with magnificent large spikes, very large double flowers; all colors mixed 10
- Largest-flowering Dwarf**, in colors, white, flesh-color, rose, carmine, crimson, blood-red, blue, brick-red, canary-yellow, shining purple-crimson, each 10
- 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
- Large-flowering Wallflower-leaved**, smooth, dark, shining leaves, dwarf habit. 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**. Large flowering double biennial 15

THUNBERGIA starts rather slowly at first. Seed requires hotbed treatment, but the 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.

- Thunbergia Bakeri**, pure white; very fine 5
- alata**, yellow or buff, with dark eye 5
- alata unicolor**, yellow 5
- aurantiaca**, bright orange, with dark eye 5
- Above mixed** 5

TROPÆOLUM TOM THUMB.

Kapuzinerkresse. Tom Thumb.

Tropæolums, known as Nasturtiums, are half-hardy annuals, bearing in profusion, very beautiful and much admired flowers. The gorgeous blooms, which are of all the different shades of yellow, orange and red, have of late years been much improved, the blossoms being larger and more brilliant than the old-fashioned sorts. The varieties of *T. majus* and *T. Lobbianum* (hybridum) will be found described under the head of Climbers. The Tropæolums are much used for making dense masses of color and are of surpassing brilliancy, the Tom Thumb varieties being especially desirable for this purpose. The blooms last a long time, and we cannot recall a class of flowers more useful than these. The habit of the plant is perfect, and in the hottest weather they thrive and bloom luxuriantly. *When planted in poor soil they flower profusely, if soil is too rich they run to leaves.* Set one foot apart.

- Tropæolum Tom Thumb Beauty**, orange PER OZ. 5
- and vermilion 20 5
- Cloth of Gold** 20 5
- Crystal Palace Gem**, sulphur, spotted with maroon 20 5
- Carter's Tom Thumb**, scarlet 20 5
- Golden-leaved**, yellow foliage, dark crimson flowers 20 5
- Dark Crimson** 20 5
- Pearl**, light cream color 20 5
- Rose**, new color in Nasturtiums 20 5
- Spotted**, yellow, spotted with crimson 20 5
- Lady Bird**, golden yellow, flamed with crimson 25 5
- Prince Henry**. New light yellow, marbled with scarlet 25 5
- Ruby King**, foliage very dark 20 5
- Yellow** 20 5
- Empress of India**, splendid dark-leaved crimson flowered 25 5
- King of Tom Thumbs**, foliage dark bluish green; flowers brilliant scarlet 25 5
- King Theodore**, flowers very dark 25 5
- One package each of the above fifteen 60 cents.*
- Fine Mixtures**, from choicest new varieties 10 5
- Mixed common varieties** 15 5



SEEDS

VERBENA.

Verbena.

Very few annuals will make such a gorgeous display during the summer months, or furnish more flowers for cutting, than the Verbena. Sow the seed 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. Another strange fact, not generally known, is that nearly all the Verbena raised from seeds are fragrant, the light colored varieties particularly so. Leading florists admit that we have the finest collection of Verbenas they have ever seen, either in America or Europe.

- 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 presents a unique appearance (fine mixed) 10
- Cœrulea. Blue shade 10

One package of each of above five 40 cents.

Verbena hybrida, extra fine mixed choice seed, saved only from the most beautiful named flowers 10

VIOLET.

Well-known, free flowering, hardy perennial. Easily grown from seed although somewhat slow in germinating; succeeds best in a partially shaded, moist situation.

- 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. Its habit and constitution are robust, its flowers are large and delicately fragrant.

- Viola Cornuta, *Admiration* (Magnificent). A beautiful dark blue . . . 10
- Perfection. Light blue, large flower, very fine 15
- White Queen, Mauve Queen, Purple Queen, each 10

VIRGINIAN STOCK. Hardy annual; fine for small bed or edgings.

- Red, white and rose; each color 5

- TORENIA.** Beautiful trailing plants for vases, baskets, etc.
- Fournieri, elegant plant for moist, shady situations; velvety blue flowers; 6 in. 15
- Bailloni, deep yellow and maroon 15
- VALERIANA.** Fine for borders 5



VERBENA.

VINCA (*Periwinkle*). A genus of beautiful greenhouse perennials; may be treated as tender annuals for the garden. If sown under glass, and strong plants are set out early, in a warm situation, they will flower in the summer and autumn, and may be potted for the house before frost. Not suitable for out-door sowing in northern latitudes.

- Vinca rosea, rose 10
- rosea alba, white, red eye 10
- rosea nova species, pure white 10
- Mixed varieties 10

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 must make a most desirable plant, giving plenty of early spring flowers.

Wallflower, fine mixed colors, fragrant; double perennial 15

WHITLAVIA. Annual, with delicate foliage and drooping clusters of blue and white bells.

- mixed varieties 5

Sweet William. *Bartuelle.*

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. There are very good double varieties. 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. The Sweet William is a very old and once popular flower, and is again coming into favor more and more every year. Perennial.

- Sweet William Perfection, mixed 5
- Common Double 5
- Dunetti, blood red, velvety texture 5



SWEET WILLIAM.

ZINNIA.

Zinnie.

The Zinnia is a large, free growing plant, and so handsome that it will always be popular. It is in flower all summer, making the most brilliant display possible. The Zinnia makes an excellent border or summer hedge, and for this purpose set plants twelve to fifteen inches apart, so as to make a continuous row or border. It is symmetrical, showy, and combined with *Salvia* the effect is marvellous. The seeds grow easily, and the young plants can be moved as safely as Cabbage plants.

Having taken considerable pains in improving the Zinnia, we know our strain is excellent; indeed, our Zinnias have been pronounced by florists from England, France and Germany, the best and most distinctive strains in the world.

Zinnia, Double, Choicest, best colors mixed 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

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

THREE NEW ZINNIAS.

Golden Gem. Scarlet Gem. White Gem.

The Scarlet Gem and White Gem Zinnias have already been introduced and have met with general favor. In addition, we have this season a worthy competitor in the new GOLDEN GEM, being the third distinct color coming true from seed. The diminutive and very double flowers of this charming novelty are of a brilliant golden yellow, and when used for bedding in connection with the Scarlet Gem and White Gem produce a most striking effect. The pretty little plants are also excellent for pot culture.

Price, per packet, Scarlet Gem 15 cents, White Gem 15 cents, Golden Gem 15 cents. One packet of each for 40 cents.

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



ZINNIA.

FLOWER SEEDS BY WEIGHT.

	Per oz.		Per oz.		Per oz.
Acroclinium, mixed colors	\$0 30	Dolichos Lablab (Hyacinth Bean)	\$0 20	Pansy, superb mixture	\$ 9 00
Alyssum, sweet	30	Eschscholtzia, mixed varieties	30	Petunia, fine mixed	1 25
" Benthami compactum, (Tom		Four O'clock, mixed colors	20	Phlox Drummondii, choicest mixed	60
Thumb Sweet Alyssum), best for edgings	50	GlobeAmaranth, (Gomphrena), mixed colors	20	" " grandiflora, choicest	
Antirrhinum, (Snapdragon), mixed	50	Job's Tears	15	mixed	75
Asters, China, mixed colors	1 50	Larkspur, Double Dwarf Rocket, mixed colors	25	Poppy, Carnation-flowered, mixed colors	20
Balsam, common double, mixed colors	40	Lupins, mixed varieties	20	Portulaca, finest mixed single	50
Candytuft, best White	20	Marigold (Calendula), mixed varieties	30	Ricinus sanguineus	15
" Empress	50	Mignonette, Sweet	15	" mixed varieties	15
" Dark Crimson	25	" Crimson Queen	30	Sweet Peas	10
" Mixed Colors	25	" Golden Queen	30	Tropaeolum (Nasturtium), Tom Thumb varieties mixed, per lb. \$1.25	15
Canna, fine mixed	20	" grandiflora ameliorata	20	" Majus, tall varieties mixed, per lb. \$1.00	15
Carnation, Early-flowering Vienna, choice mixed	2 00	" Giant Pyramidal	20	" Lobbianum, mixed varieties	25
Convolvulus major (Morning Glory), mixed	15	" Machet	75	Verbena, mixed, from our own choice collection	2 00
" minor, dwarf, mixed colors	15	" New Hybrid Spiral	30	Virginia Stock, mixed colors	25
Cypress Vine, white, scarlet, or mixed	30	" Parson's New White	75	Double Zinnia, mixed colors	30
Dianthus Chinensis, best double mixed	40	Nemophila, mixed varieties	20	Mixed Seeds, for Wild Garden	20
		Pansy, fine mixed	1 00		
		" extra choice mixed	3 00		

SEEDS OF HARDY CLIMBERS.

These plants are most 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	Celastrus scandens, Climbing Bitter-Sweet	10
Ampelopsis Veitchii, good wall plant, clinging to the smoothest surface, absolutely the finest of the clinging climbers	10	Clematis scandens, fragrant, white	10
Bignonia radicans, Trumpet Vine	10	Clematis vitalba, Virgin's Bower, white	5

GREENHOUSE.

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-Diademata. This seed is of our own gathering and contains all the latest and finest varieties 25

Single Tuberosus, rooted, finest mixed 15

Double Tuberosus, 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, full cultured, directions on each packet

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

Grenadin, dark varieties mixed 35

Centauria 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, finest double 10

Pompon, or Dwarf, splendid 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 as also furnishing cut flowers.

hybrida, finest large-flowering prize varieties mixed 25

maritima, (Dusty Miller) leaves silvery gray, fine for vases, hanging baskets and ribbon planting 5

Clianthus 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, choice mixed 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, best mixed 10

Hibiscus immutabilis, rosy flowers; three feet 10

coccineus, scarlet, three feet 10

Humea elegans, fine ornamental biennials, four feet high 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

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 25

Choicest varieties mixed 25

flore pleno, a large percentage of the flowers perfectly double 50

flore-albo, pleno, double white; package of 20 seeds 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

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 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. 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.

globosa alba, pure white 5

globosa rubra, dark purplish crimson 5

globosa striata, pink and white stripe 5

Above mixed 5

Rhodanthe. Care is necessary in starting seeds; after good plants are grown we never fail to obtain abundance of flowers.

Manglesii, fine for house culture 10

maculata, more hardy than R. Manglesii; rosy purple 10

maculata alba, pure white, yellow disc 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, retain their color and brightness for many years.

Helipterum 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

minimum, dwarf; various colors 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

plenissimum roseum, fine rose-colored, very double 10

superbissimum flore albo pleno, white, pompon-flowered 10

Double White, very fine 10

Mixed colors 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 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, flower second season 5



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.

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.



MORNING GLORY.

All the above mixed 5

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. The growth is rapid and it is important that support should be supplied as soon as the young plants show a disposition to run.

- Convolvulus major*, in colors, white, white and violet striped, white striped with rose, light blue, dark blue, carmine, each color 5
- Michauxii*, fine striped 5
- incarnata*, bright red 5
- atrosanguinea*, dark red 5

One package each of the above nine 35 cents.

IMPERIAL JAPANESE MORNING GLORIES.

The grand new climbing Morning Glories have given the greatest satisfaction and surprise to all. 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 thirty to fifty feet, while the foliage is quite distinct and luxuriant. When we say it is of the easiest culture we see no reason why all cannot enjoy this newly introduced species as well as the old.

Price per packet 15 cents.

BRAZILIAN MORNING GLORY (*Ipomœa Setosa*.)

A most interesting novelty in climbers, with rose-colored flowers from three to four inches in diameter, and a leaf eight to twelve inches across. It presents a remarkable appearance, in that it branches in every direction and intertwines in such a manner as to make it absolutely impenetrable to the sun's rays. The large seed pods, or curious looking capsules, with the short reddish hairs on the stems, make it unusually ornamental and attractive. It will cover an arbor, piazza, or tree quicker than any other climber we know of. Annual
Ipomœa setosa (Brazilian Morning Glory) 10

HUMULUS JAPONICUS.

Javanischer Hopfen.

The Japanese Hop is 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 plants of a very large size in a short time. Withstands the heat, drought, and insects.

- Japanese Hop, *Humulus Japonicus* 10
- Japanese Variegated Hop, leaves green and white variegated 10

THE GOURD FAMILY.

Familie der Zier Kürbisse.

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
- 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, sometimes spotted with red, very fragrant 5
- Coccinea Indica*, handsome, glossy foliage and scarlet fruit 5

One package of each of above eight 30 cents.

The following are some of the most valuable of the common family:

- 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
- Striped Apple, small, yellow, beautifully striped 5
- Egg-formed, the true Nest Egg Gourd 5
- Orange, the well-known Mock Orange 5
- Calabash, the old-fashioned Dipper Gourd 5
- Sugar-Trough, or Sap Bucket 5

One package each of the above nine 35 cents.

- Mixed 5

IPOMŒA.

Trichterwinde.

Ipomœas succeed best if started in the hot-bed. Desirable for pots, baskets, etc., for the house, also for greenhouse decoration they are 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, with broad border of white 5

IPOMŒA QUAMOCLIT (Cypress Vine.) This delicate and symmetrical little climber flowers freely, and when the plants are set in rich soil, where they are to grow, they will reach a height of twenty feet. Soak the seed in hot water before sowing. Illustrated in heading, top of page.

- Cypress Vine, flowers elegant; foliage beautiful; mixed 5
- Scarlet and White, each color 5

COBŒA.

Cobbe.

One of the very finest and most beautiful annual climbers, of very large size, rapid growth, fine foliage, bell-shaped flowers, almost an inch and a half across and two inches long. In good soil the stems often grow twenty or thirty feet long, branching freely, and covering a large surface. Plants commence to flower when quite young. Put the seed in moist earth, edge down, and do not water until the young plants appear, unless the earth is very dry. Plants can be removed to the house for winter blooming.

Cobœa set in a row, two feet apart, supported by brush six feet high, make an elegant screen, or they will run over wire screen or other vines.
Cobœa scandens 10



SWEET PEAS.

Sweet peas are among the most beautiful of all our hardy annuals. The plants are best suited with a cool, moist soil, and a damp season. 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.* Nothing can be better for large bouquets, as the flowers are lively and delicate, varying in color from the darkest purple imaginable, and including the brightest pinks; as fragrant as Mignonette. 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 Sweet Peas are the sweetest of our climbing annuals. During the past few years many beautiful new varieties have been produced by Eckford, of England, and others, all of which are in our regular list without having special attention called to them. The varieties offered below with those on novelty pages embrace all the best sorts that have been brought out, up to the present time.

For the past two or three 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. The mass of NEW NAMED sorts would prove a detriment to one making a selection and to avoid this it will be noted we have placed in parenthesis showing where one variety will answer for many.

Unless otherwise quoted all varieties are 5 cents per packet, 10 cents per ounce, 20 cents per one-fourth pound, 30 cents per one-half pound, and 50 cents per pound.

When 80 cents per pound is quoted one-fourth pound will be sold at 25 cents, and one-half pound at 45 cents. At \$1 per pound one-fourth pound will be 30 cts., one-half pound 55 cts.

Sweet Peas, Alba Magnifica, pure white.

Adonis, (see Miss Hunt).

Apple Blossom, standard bright pinkish-rose; wings blush.

Alice Eckford. Cream-tinted cerise standard, white wings. Per lb. 80 cents.

America. Cardinal stripe on white ground. Per lb. 80 cents.

Aurora. (Coronet.) Standard and wings white, flaked and striped with orange-salmon. Per lb. 80 cents.

Bride of Niagara, (double), white with rose-colored banners.

A large proportion of the flowers with two or three banners, beautiful.

Per pkt. 10 cents., per oz. 25 cts., per $\frac{1}{4}$ lb. 75 cts., per lb. \$2.50.

Blanche Burpee, Eckford's newest white. (No. 1.)

Blanche Ferry, pink and white.

Extra Early Blanche Ferry, pink and white, early. Per lb. 80 cents.

Blue Edged (Lottie Eckford), white and pink, edged with blue.

Blushing Beauty (Lovely) (Prima Donna) soft pink.

Boreatton (Stanley) standard rich shining bronzy crimson; wings beautiful crimson-purple.

Bride, latest introduction of pure white. Per lb. \$1.00.

Brilliant, (see Firefly.)

Bronze King, standard coppery red; wings white.

Butterfly, white, lavender laced.

Captain Clark, tricolor; white shading to pink, edged with indigo.

Captain of the Blues, bright purple and pale blue.

Captivation. Light purple magenta. Per lb. 80 cents.

Cardinal. (see Invincible Carmine), bright shining crimson scarlet flowers.

Celestial, (see Princess May.)

Coquette. Primrose, apricot tint. Per lb. \$1.00.

SEEDS



Sweet Peas, Coronet, (see Aurora.)
 Countess of Aberdeen. White, margined with pale pink. Per lb. 80 cents.
 Countess of Radnor, (New Countess) delicate lavender.
 Countess of Shrewsbury. Soft rose standard, white wings. Per lb. \$1.00.
 Crown Jewell. Creamy white, veined with violet rose.
 Crown Princess of Prussia, bright blush.
 Countess of Powis, (see Orange Prince.)
 Cupid, dwarf. Pink, full size packets, 25 cents. No ounces.
 Cupid, dwarf. White, per lb., \$1.00.
 Daybreak. White, veined and mottled with scarlet.
 Delight, standards white, crested with crimson.
 Dorothy Tennant, pure violet or rosy mauve.
 Duchess of Edinburgh, standard light scarlet, wings flushed with crimson, slightly marbled and splashed at the edge with creamy-white.
 Duchess of York, white, deeply striped and barred with delicate pinkish purple. (No. 8.)
 Duke of York, bright rosy pink standard; wings primrose, tinted white; distinct and fine. (No. 2.)
 Duke of Clarence, rosy claret self colored flowers.
 Eliza Eckford, pale rose, flaked with deeper rose.
 Emily Eckford, well marked cerulean tint, the standards suffused with reddish mauve. (No. 11.)
 Emily Henderson, large pure white.
 Empress of India, (see Little Dorrit) pink standard, white wings.
 Etna, dark brownish crimson and violet.
 Fairy Queen, wings white; standard blush, pink penciled.
 Firefly, (see Brilliant) brilliant deep scarlet. Per lb. 80 cents.
 Gray Friar. Beautiful watered-purple on white ground. Per lb. 80 cents.
 Golden Gate. Standard soft pinkish mauve, wings light mauve and lavender. Per lb. \$1.00.
 Gaiety, standard white striped and flaked with bright rosy lilac; the wings delicate blush.
 Her Majesty, beautiful soft rosy pink, very large, showy, handsome; a flower difficult to describe.
 Ignea, fiery crimson scarlet standard, wings pale scarlet, flushed with purple.
 Imperial Blue, (Grand Blue) standard rich purple, wings bright blue, shaded with mauve.
 Invincible Carmine, (see Cardinal.)
 Indigo King, standard dark maroon-purple, wings clear indigo blue.
 Juniata, pure white, delicately lined and striped with lavender. Per lb. 80 cents.
 Katherine Tracy, (Royal Robe) brilliant vermilion rose; wings same shade as the standard.
 Lady Beaconsfield, salmon standard tinted with rose, the wings pale yellow.
 Lady Penzance, pale but very bright rose; striking and distinct. (No. 7.)
 Lemon Queen, delicate blush pink standard tinted with lemon, with blush almost white wings.
 Lovely, (see Blushing Beauty and Prima Dona.)
 Little Dorrit, (see Empress of India.)
 Lottie Eckford, (see Blue Edged.)
 Maid of Honor, light blue on a white ground, shaded and edged per lb. 80 cents.
 Mars, intense scarlet, fine form, per lb. \$1.00.
 Meteor, bright orange salmon: wings light pink, per lb. 80 cents.
 Miss Hunt, (Adonis) carmine, salmon and soft pink.

Sweet Peas, Mrs. Joseph Chamberlin, white striped and flaked heavily with bright rose. (No. 13.)
 Mrs. Eckford, large, handsome self-colored flower, of the finest substance, peculiarly delicate shaded primrose. (No. 3.)
 Mrs. Gladstone, delicate soft pink. Per lb. 80 cents. (No. 9.)
 Mrs. Sankey, pure white and large.
 Mikado, white stripe on orange-cerise ground. Per lb. 80 cents.
 Monarch, bronzy crimson standard, deep blue wing.
 New Countess (see Countess of Radnor).
 Novelty, bright scarlet, orange tinged.
 Orange Prince (Countess of Powis), standard pink and orange, flushed with scarlet; wings bright rose, veined with pink.
 Painted Lady, rose and white.
 Peach Blossom, salmon-pink standard, the wings pink.
 Prima Donna (see Blushing Beauty).
 Primrose, pale primrose yellow.
 Princess Beatrice, rose; large.
 Princess Louise, rosy pink standard, wings lilac.
 Princess May (Celestial), large flowers of a most charming shade of lavender.
 Princess Victoria, standard dark cherry, wings mauve pink and slight lines of rose.
 Princess of Wales, shaded and striped with mauve and purple, on white ground.
 Queen of England, a good white variety.
 Queen of the Isles, scarlet, mottled white, and rosy purple.
 Ramona, Creamy white, daintily splashed with pale pink.
 Red Riding Hood. We cannot recommend this variety. It has no merit whatever.
 Rising Sun, rosy orange, blotched with carmine; wings blush white.
 Royal Robe, (see Katherine Tracy).
 Royal Rose, Bright pink and blush white. Per lb. \$1.00.
 Senator, creamy white, chocolate striped. (No. 5.)
 Splendor, rich bright pinkish rose, shaded crimson.
 Stanley (see Boreatton).
 The Queen, standard light rosy pink; wings mauve.
 Venus, salmon buff, the standard delicately shaded rosy pink.
 Vesuvius, violet and rose; distinct but not brilliant.
 Waverly, rosy claret shaded standards, pale blue wings, shaded with rose.
 White.

Eckford's Gilt-Edge, Special Mixed. Per lb. 50 cents; ½ lb. 30 cents; ¼ lb 20 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; per 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 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. 15 cents; per ½ lb. 25 cents; per lb. 40 cents.

The following variety is not a climber, but a creeper, and nice for baskets; not fragrant:

Peas, Scarlet Winged, beautiful flowers; packet, 5 cents.

SEE ALSO COLORED PLATE AND NOVELTY PAGES.

All seeds listed in this Catalogue delivered free of postage or express charges, except when noted.

The 12 best varieties.

After years of experience and exhaustive tests on our trial grounds of hundreds of varieties, we have selected the following named varieties of Sweet Peas as the very cream of all lists:

- | | | |
|----------------|-----------------|------------------------|
| Her Majesty. | Mrs. Eckford. | Mrs. Jos. Chamberlain. |
| New Countess. | Lottie Eckford. | Blushing Beauty. |
| Blanche Ferry. | Lady Penzance. | Stanley. |
| The Bride. | Venus. | Mars. |

This list comprises all shades, from the lightest to the darkest, and a generous bed of them will be a constant source of pleasure. Each 5 c., or the set of twelve for 40 c. postpaid.

Sure to please.

The Tuberosc Begonias are growing in favor every year. There is nothing better for a pot plant on the porch, as they bloom their magnificent flowers all summer. A bed of them in a partially shaded corner will be a perfect delight. See colored plates and description on Novelty pages.

Single White, Red, Rose and Yellow, each 15 cents; per doz. \$1.50. Double White, Red, Rose and Yellow, each 30 cents; per doz. \$4.00.

Thousands of Flowers.

The set of three Climbing Roses, White, Yellow and Crimson Rambler. Feed them well and they will return thanks with heavy growth of thousands of flowers. See Novelty pages. Price only 40 cents for the set.

PLANTS OF CLIMBERS.

AMPELOPSIS.

Ampelopsis.

Ampelopsis Veitchii (Boston or Japanese Ivy.) This hardy variety clings very firmly to the side of a house or wall, and will soon form a most



VIEW BOSTON IVY ON ROCHESTER THEOLOGICAL SEMINARY LIBRARY.

perfect mass of foliage, the leaves overlap each other with wonderful regularity. It is a beautiful climber and a great favorite. In Autumn this unique plant assumes its greatest beauty, changing until the whole plant is a glowing mass of the brightest shades of crimson, scarlet and orange. . . *quinquefolia*, or *Virginia Creeper*, sometimes called *American Ivy* and *Woodbine*; a rapid grower, leaves turning to a crimson in Autumn. This is a hardy perennial. Each 20

CHINESE MATRIMONY VINE. A vigorous, hardy climber covering a large amount of space. Flowers bright, purple, succeeded by scarlet berries nearly an inch long. Excellent for trellises. Plants each 20 cents; two for . 35

The *Aristolochia* (*Dutchman's Pipe*) is a floral curiosity. It is a rapid growing and hardy climber, attaining a height of thirty or more feet; 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 25 cents each.

BIGNONIA.

A splendid 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 the 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*, each 20

PILOGYNE.

A beautiful, rapid-growing climber; excellent for screens or verandas; in fact for the latter it has no equal. Fine also for the house in the winter. This plant, though so slender in appearance, makes a wonderful growth, forming a mass of foliage that will entirely cover a window or screen in a short time. Tender climber.

Pilogyne suavis, per dozen \$2; each 20

ROSES—Climbing.

See pages of Novelties and Specialties.



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

CLEMATIS.

Clematis.

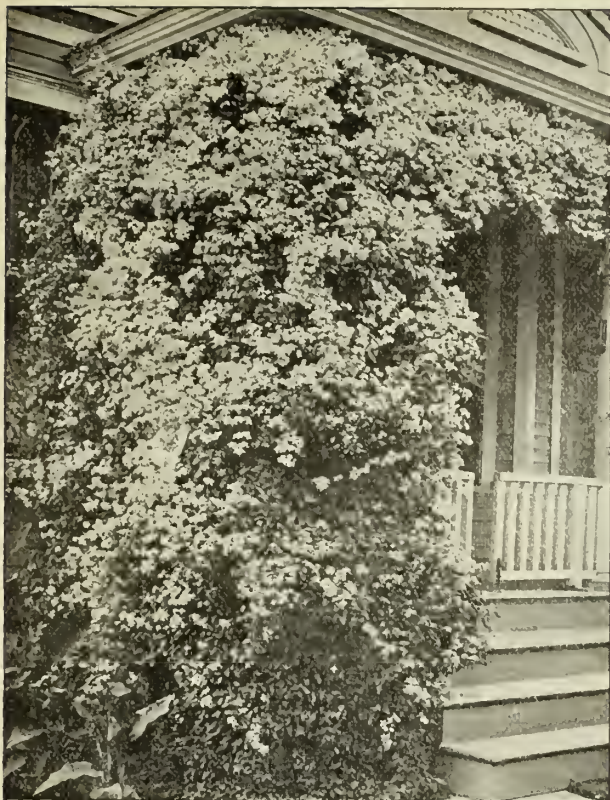
No flower has more rapidly advanced in popular favor than the Clematis. Within a few years it has become the favorite climber of the world. It makes a rapid growth, and produces its beautiful showy flowers in the greatest profusion. For pillars, trellises, bedding in masses, or planting about rockwork, the Clematis cannot be excelled. In the fall give the plants a good top dressing of well rotted manure. The following spring spade it carefully, mixing it well with the soil, and it will prove very beneficial to the plants. Hardy.

Clematis Jackmanni, flowers very large, intense violet-purple, and produced in the greatest profusion; blooms from four to six inches in diameter. This is the most beautiful hardy climber in cultivation. Strong plants, per dozen \$5.00; each 50
Henryi, the best white variety, per dozen \$5.00; each 50

A great bargain—one plant of each for 90 cents.

Clematis Paniculata, a remarkably handsome climbing plant. The flowers are pure white, star-shaped, about one inch in diameter, are borne in large clusters; they will last several days as cut flowers, retaining their freshness and fragrance. The plant is a strong, quick grower, with broad, healthy foliage which is seldom or never attacked by insects. Strong blooming plants, each 25 cents; or two for 40

Clematis Davidiana. A vigorous, hardy plant which grows from two to four feet in height; has handsome foliage, the leaves growing in whorls around the stem and the flowers are 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, and very fragrant. This is one of the most desirable of hardy herbaceous perennials. Strong plants each 25 cents; two for 40



CLEMATIS PANICULATA.

IPOMŒA--Moonflower.

Moon Bloom.

Ipomœa Bona Nox. This variety of Ipomœa is offered under various names, such as Good Night, Evening Glory, and the like; a beautiful climber that produces its large, pure white, sweet scented flowers in the night, and on dull, cloudy days. It is one of our most vigorous growers, attaining a height of twenty-five 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

The HARDY MOONFLOWER.

Ipomœa Pandurata. This beautiful climber is tuberous rooted, perfectly hardy, and will, therefore, increase in size and beauty with each season's growth. The flowers are four to six inches in diameter, pure white, shading to pink, with a handsome purple throat; and they are produced in such profusion that a well established plant will have hundreds of these magnificent blooms upon it at once, making a grand sight. The flowers open in the day time and last for several days before fading; they are large and more showy than the ordinary Moonflower. Plants, each 20 cents; six plants for \$1.00



These prices pre pay the goods to your home (except when noted.)



CLEMATIS—LARGE-FLOWERED.

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 and 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.

- Plants, each 15 cents, two for 25

MADEIRA VINE, a beautiful climber, flowers white, small, in long racemes; roots, per dozen, 50 cents; each 5

Climbing Roses.

See pages of Novelties and Specialties.



HONEYSUCKLE.

WISTARIA.

Wittrie.

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.

- 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; 15 cents each; two for 25

IVY, German or Parlor. An old favorite that is very useful for hanging baskets and vases. Each . 15

IVY, English, the old popular variety each 20
Two year old plants, each 30

PERENNIAL PEA, flowers pink, in clusters 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 15



CHINESE WISTARIA.

THREE ROSES that flower all summer; the hardiest and best climbing roses known, grow from eight to ten feet in a season, one plant has been known to have three hundred blossoms at one time. Immense trusses of sweet-scented roses—yellow, white and crimson climbing over the piazza, and only 40 cents for this set of Three plants of Rambler Roses; add them to your order—they are perfectly hardy.



This department is devoted entirely to Bulbs and Plants that will bear a Northern winter without injury, like the Lilies, Pæonies, 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 of 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 Pæony 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 blooms are pure white, and large, making them very desirable for cutting. It is perfectly hardy and it blooms nearly the whole season.

Strong roots, each 20 cents; three for 50 cents; seven for \$1.00.

ALPINE ASTER.

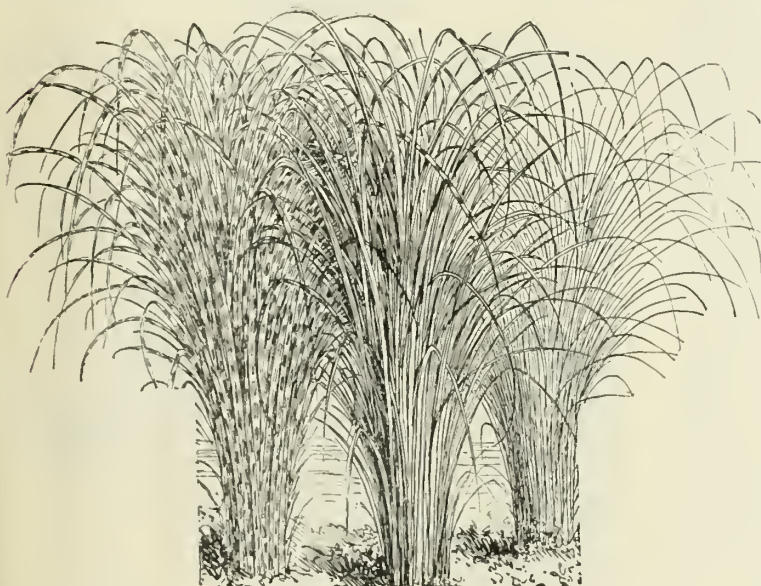
Aster Alpinus is a new and perfectly hardy perennial. It might appropriately be called "The Star of Switzerland." The plant is a dwarf grower, from seven to nine inches in height; is very vigorous and sends up numerous stems of flowers, daisy-like, about two inches in diameter with violet or sky-blue 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.

EULALIA.

Eulalic.

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. These plants are hardy in this section, though a light protection of litter during the cold months would doubtless be an advantage to the roots.

- Eulalia gracillima univittata.* This is the most beautiful of all 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 and is very similar in habit to *E. Japonica zebrina*. Strong plants, each . . . 25
- Japonica Zebrina.* This plant in its variegated marking, 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

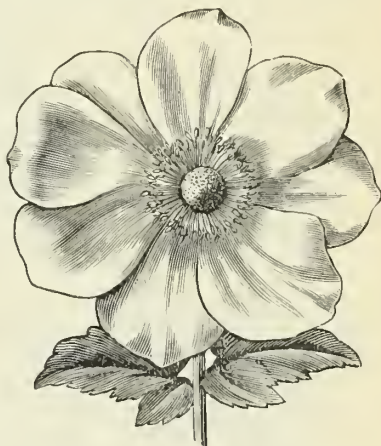
The set for 60 cents.

ANEMONE.

Windröschen.

One of the best hardy, autumn-flowering plants with 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 50c.*
- coronaria,* low growth, flowers early. Roots double or single, doz . . . 25
- Whirlwind,* (new) double, (See Novelty pages) . . . 20



SINGLE ANEMONE.

Berberis

Thunbergii.

Thunberg's Barberry. 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.

ALTHÆA.

ROSE OF SHARON, beautiful shrub, blooming early in the fall; double red and double white; single red and double variegated; each . . . 25

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.

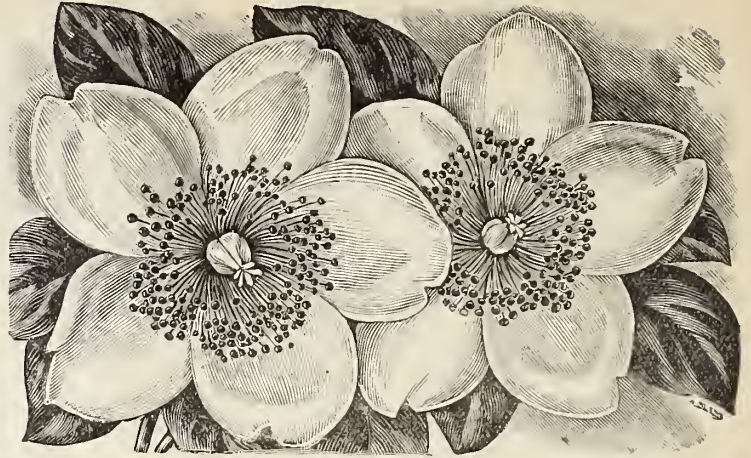
ACHYRANTHES, (plants with beautiful showy foliage for bedding.)

- Linden,* leaves dark blood red 15
- Cæsii,* leaves large, green and yellow . . . 15



GOLD FLOWER.

Hypericum Moserianum.—This variety was produced by crossing Hypericum calycinum, a hardy European shrubby species, Hardy 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 **Charming Pot Plant** 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 bright shining, golden yellow, and bearing numerous handsome stamens. The plant should be given a place in a well drained border, and receive good care; **Excellent for Borders** 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.*



GOLD FLOWER.

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 the 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.*

HELIANTHUS. (Sunflower.)

Sonnenblume.

In these three varieties of Helianthus we have beautiful gems that are 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 Lateaefrons, a charming single hardy 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. It is perfectly hardy.

Multiflorus plenus, yellow flowers perfectly formed.

Soliel d'Or, *The Golden Quilted Sunflower*; similar to the above variety, except that the petals of the flower are quilted, like some of our finest Dahlias.

Plants, each 20 cents; per dozen, \$2.00; or the set of three plants for 50 cents.



HELIANTHUS.

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, and so profuse as to cover 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.

DELPHINIUM (Larkspur).

Delphiniums, commonly called Larkspurs, are valuable plants. Formosum is a most brilliant dark blue, the finest blue flower known among our hardy plants. The Chinese are of lighter shades. **Delphinium formosum**, dark blue 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

GYPSOPHILA.

Gypsophilas 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 cents.*

ERIANTHUS Ravennæ, as fine as Pampas Grass, superior for a northern climate. *Hardy plants 25 c.*

HIBISCUS, Large Flowering. This elegant plant is 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.

Crimson Eye. Pure white, velvety crimson center. *Plants, each 20 cents; Two for 35 cents.*

FORSYTHIA Fortunii. "Golden Bells," Showing dense masses of yellow flowers in April; 3 feet. *Plants each 25 cents.*

Viridissimi, bright yellow, golden bell-like flowers; one of the earliest of spring flowering shrubs. *Plants each 25 cents.*



DICENTRA.

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

HYDRANGEA.

Sortific.

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.



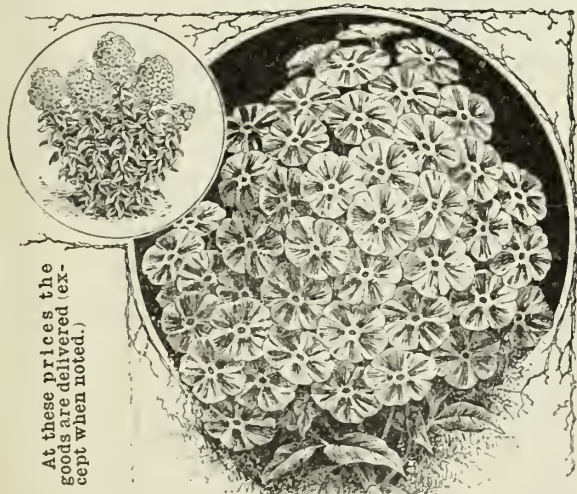
HARDY HYDRANGEA.

Hydrangea paniculata grandiflora. Prices according to size.

First size, each 40 cents; two for 70 cents; three for \$1.00. Second size, each 25 cents; three for 60 cents. Third size, each 15 cents; six for 75 cents.

PERENNIAL PHLOX.

The flowers of the Perennial Phlox, when the plants gets strong, are immense bunches of bloom, from the purest white to crimson. Plants will keep increasing in size, and may be divided at the roots every two or three years. When in flower



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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.

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.

Eclairer. 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 Roussel, pure white, rosy crimson.

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.

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.

Plants, each 20 cents; three for 50 cents.

HOLLYHOCK.

Malve.

There are few plants whose flowers so perfectly combine large size and delicacy as the Hollyhock.

Its flowers are quite as double, and almost as pure and perfect as those of the Camellia, and when we remember that they mass around a strong stalk from three to five feet in height, we get some idea of their beauty. Seeds sown in the spring produce plants that will bloom the second summer.

We have excellent, healthy young plants grown from seed, that will bloom the first summer, and usually for two or three summers after. The colors are nicely assorted, so that almost every color, from white to purple may be expected. Give the plants a light covering of coarse litter for winter protection.



Hollyhock, double, salmon marooned, white, pink and yellow, each 20 cents.

Any set of six colors, all blooming plants for \$1.00.

SNOWBALL, Japanese. The bush is of lower growth and more compact 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.

Viburnum Opulus a well-known shrub, produces large clusters of snow-white flowers in May. 25 cents.

SYRINGA grandiflora, flowers pure white, fragrant, a very popular shrub
Syringa Golden. Each 25 cents.

microphylla. A very pretty dwarf variety, handsome and symmetrical form. flowers pure white. 25 cents.

LILAC purple, Lilac White. Each 25 cents

LILIES.

Eiten.

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 almost every case flowers will be obtained the first summer after planting, but it will be quite as well for the health of the plant if there is no bloom until the second season. 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.

Lilium auratum , the magnificent golden banded lily of Japan, profusely spotted with crimson red; sweet scented	EACH. \$0 20	DOZ. \$2 00
Canadense , our Native lily, flowers upright, delicate scarlet, yellow throat, finely spotted with black.	15	1 25
pardalinum , one of the most desirable of the Canadense class; flowers yellow and red, spotted.	25	2 50
candidum , the common white garden lily, very hardy, free bloomer, delightfully fragrant. Ready Aug. 1st.	10	1 00
Cordifolium . Flowers white and yellow, shaped like Day Lily, large round leaves.	25	2 50
croceum , brilliant orange color, covered with small black dots; very showy.	25	2 50
elegans atropurpureum . Beautiful dark red.	20	2 00
elegans . Best light red.	20	2 00
elegans . Common red.	15	1 50
Hansonii , Japanese yellow Martagon.	75	7 50
Japonicum longiflorum , white, trumpet-shaped; five inches long, fine.	20	2 00
Krameri . Deep rosy pink.	25	2 50
lancifolium rubrum , reflexed petals, white suffused with rose, and covered with raised dark crimson spots.	20	2 00
lancifolium album , petals and raised spots purest white.	30	3 00
Lechtlinii . Canary yellow, spotted red.	30	3 00
longiflorum eximium . Long white trumpet-shaped flower, foliage margined with white.	50	5 00
speciosum album (Præcox), a very choice white lily, the large raised spots make it very conspicuous.	30	3 00
tenuifolium , stem and foliage slender, flowers nodding, petals and sepals strongly reflexed, the color a brilliant scarlet; a dainty little beauty.	25	2 50
Thunbergianum grandiflorum .	20	2 00
tigrinum , orange and black spotted Tiger lily, robust habit.	10	1 00
Ungeri . Dark pink, early flowering.	50	5 00

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.



LILY OF THE VALLEY.

Maiölämshen.

The Lily of the Valley (*Convallaria*) is quite hardy. To raise the plants in the open ground, set the pips six inches apart and two inches below the surface in a partially shaded place. For winter blooming in the house set the pips side by side about one inch apart in moss or sand in a flower pot, water freely; put them out of doors or where they may freeze a day or two, after which bring them in and after thawing, water and give a warm place in the window. One dozen pips can be grown in a four-inch pot, or two dozen in a six-inch pot. Pips for winter blooming can be sent out in December, as they will not suffer injury from frost; for the garden either in the spring or autumn.

Lily of the Valley, sweet, graceful and delicate. Pips, half dozen, 25 cents doz., 40 cents; 50, \$1.40; 100 \$2.50.

WATER LILY.

Wasserlilie.

Nymphaea odorata 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 the root to a stone to sink it, and drop it in near the shore in two or three feet of water. Place tubs in cellar in winter, to keep from freezing; fill with water when put away, and they will come out all right in the spring.

Nymphaea odorata, per dozen \$2.00; each, 20c.



BULBS

LILIUM AURATUM

CHINESE PÆONIES.

Chinesische Pæonie.

The Chinese Pæonies 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 cents; dozen, \$2.50, except as noted.

- Pæonies, Active**, rose, flowers large, very compact.
Amabilis lilaceus, outside petals bluish inner buff, center light pink.
Brujei, light rose, fine.
Buyckii, outer petals rose, center salmon and rose.
Caroline Mather, crimson, very fine; 35 cents each.
Centripetala, outer petals rose, center salmon.
Double White, 35 cents each.
Dr. Bretonneau, rose.
Duchess de Orleans, violet rose, salmon center.
Faust, bluish tinged with cream.
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.
Lutea variegata, outward petals bluish, center white.
Lutesiana, outside petals bluish, center white.
Madam Augusta Van Geert, light rose, changing to almost white.
Madame Morren, outside petals bluish, center salmon and rose.
Nivalet, rose.
Pulcherina, rose.
Purple Crown, purple and crimson, very effective; 35 cents each.
Plenissima rosea superba, deep rose, tinted with salmon.
Pomponia, large, purplish pink, with salmon center.
Roi Guillaume, light rose.
Rosea Mutabilis, rose and pink shaded.
Smitzii, crimson, single, very early.
Triomphe du Nord, violet and rose, large and fine.
Variegata plenissima, rose and pink shaded.

PINK. Zwergnelke.

The double Garden Pinks bloom early, are dwarf in habit and make fine edgings for walks. Most of them are white, with colored margins and very fragrant. Set of six named varieties, 75 cents; each, 15 cents.

- Pink, Essex Witch**, fine dark pink.
Gertrude, white with pink center.
Grass or June Pink, feathery pink flowers.
Juliet, rose pink.
New Mound, bluish pink, fringed.
Her Majesty, double pure white, one of the best.

- WEIGELA**. Handsome summer flowering shrubs, with an abundance of tubular trumpet-shaped flowers, borne in clusters.
Candida. Pure white.
Rosea. Well-known bluish white.
Nana variegata. Pink, leaves margined with creamy white.
Desboisi. Deep rose.
 Each 25 cts.; 3 for 60 cts.

SHRUBBY BLUE VERBENA

or Blue Spirea—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, branches freely, and in the latter part of summer, and all through 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.

VIOLETS.

Beilchen.



California Violet—The largest form of violet ever seen. It pleases the people. The plant is strong, a vigorous grower, and entirely healthy. It bears single flowers of large size which are borne on strong stems, ten to fourteen inches in length. The plants are remarkably prolific, a single plant producing several hundred flowers, which measure more than an inch and a half across, and are of a clear violet-purple color which holds to the last; they are intensely fragrant. In many respects this is a desirable variety, and probably this is the commencement of a new class of violets. Price—Plants 20 cents each; six for \$1; twelve for \$1.80.

Violet, English Blue, perfectly hardy, double, a fine deep blue, and exquisitely fragrant. Plants, each 15 cents; \$1.50 per dozen.

Marie Louise, light blue, fine. Plants, each 15 cents; \$1.50 per dozen.

SPIRÆA.

Браутзру.

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; the flowers bear cutting well and are extensively used where an abundance of white and rose colors are in demand; for church and parlor decoration they are admirably adapted, as the long branches, covered with flowers, admit of the most artistic and effective grouping. No garden of ordinary dimensions should be without them.



- Spiræa Billardi.** Billard's Spiræa. Flowers rose colored in terminal spikes or panicles and produced nearly all summer. A very desirable variety, each 20
 blue, (see page 67).
Bumalda. A Japanese species of dwarf or moderate growth. Flowers a soft, deep rose color, appearing in July and continuing into autumn. This variety is highly recommended each 20
Douglassi. Plant thrifty, growing from four to five feet in height, and bearing large spikes or clusters of rose colored flowers all through the summer and into autumn. Very satisfactory, each 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. Plant each 20 cents; five 80
prunifolia flore pleno. Double plum leaved spiræa. This is the well-known and popular variety, sometimes called Bridal Wreath. The foliage in autumn turns to a fine bronze, each 20
Reevesii has large round clusters of white flowers covering the plant, rendering it exceedingly 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. It is one of the most graceful and desirable of garden shrubs, and is perfectly hardy and satisfactory in every respect, each. (See engraving). 20



SPIRÆA PALMATA ELEGANS.

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, and 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

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, for three \$ 10
 Bulbs, per dozen 25
 Bulbs, per 100 1 75



MONTBRETIA.



YUCCA.



THIS DEPARTMENT embraces a large number of the most beautiful **BULBS** and **PLANTS**, as it will be observed that it includes the **Gladiolus** and **Dahlia**, the **Calla** and **Canna**, the **Geranium**, **Begonia**, **Coleus**, **Heliotrope**, and, indeed, all **Bedding 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 that are sent by mail have but little soil left on them, and they should receive very careful treatment, especially the first few days after their arrival. If they look wilted, put them in luke-warm water for fifteen or twenty minutes; this will greatly revive them. Those sent by express are generally in such condition as to require larger pots than the ones from which they were removed at the time of shipment. **Begonias**, **Caladiums**, **Tuberoses**, **Callas**, **Gloxinias** 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.

Abutilon.

The **Abutilons** are often called **Flowering Maples**, and we have sometimes been led into trouble by sending trees when customers have ordered **Maple trees** and meant **Abutilons**. It is not well to use fancy names when ordering plants. The **Abutilons** are popular for their vigor of growth, clean foliage and constant blooming.



ABUTILON.

Santana, brownish crimson. **Seraph**, pure white dwarf.
Souvenir de Bonn, a very handsome new variety, for description of which see novelty pages. The set of seven for 80 cents.

Plants, each 15 cents; per dozen \$1.50.

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, with large, showy, bright yellow flowers.

New Double, Thompsoni plena, a sport from Thompson's variegated; flowers large, full, and perfectly double; the color, rich orange, shaded with crimson.

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.



ACHANIA.

AGERATUM. Dwarf Gem, a fine blue and of very dwarf habit.

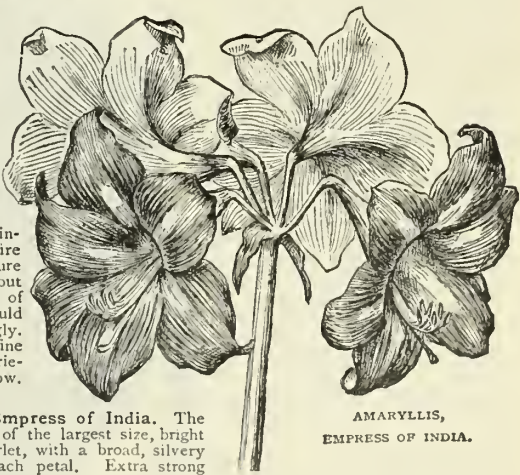
Tapes Bleu. The best for bedding; dwarf and compact, extremely free flowering; an excellent and desirable variety; each 15 cents; dozen \$1.50.

AMOMUM. Amomum melegueta, Cardamon plant, grows from one to two feet high, flowers a light pink; the plant is aromatic and a perennial 15

AMARYLLIS.

Amaryllis.

The **Amaryllis** are interesting plants, desirable for growing in pots, producing 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. We have a fine stock of the varieties named below.



AMARYLLIS, EMPRESS OF INDIA.

- Amaryllis, Empress of India.** The flowers are of the largest size, bright orange-scarlet, with a broad, silvery band in each petal. Extra strong bulbs, each, 60 cents; strong bulbs, each 50
- 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. Flowers-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

ANTHERICUM.

Anthericum.

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 very fragrant. Price, each 15 cents; per dozen \$1.50.
- Alyssum, Double White.** **variegata**, foliage striped; single.
- 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 \$6, express or mail, not paid; per dozen \$1.50; each 10 cents.
- Alternanthera aurea nana**, foliage bright green and yellow.
- paronychoides major**, bright carmine, yellow and green.

BEAUTIFUL BEGONIAS.

Begonic.



BEGONIA ARGENTEA GUTTATA.

EVERGREEN BEGONIAS.

The Evergreen Begonias are deservedly popular. Their beautiful foliage, graceful flowers, free blooming qualities, and easy culture, make them most desirable plants. They require about the same temperature as Bouvardias, an average of 70°, to bring them to perfection. 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.

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 cts.

Paul Bruant. A free flowering variety 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.

Sandersonii, scarlet; winter bloomer.

semperflorens rosea, the ever blooming species. If you have any use for extra fine cut flowers or the best plant for bedding, basket, vase, pots, market and the quickest growing and most abundant blooming winter plant *Begonia semperflorens rosea* fills the bill to perfection. It will give the greatest satisfaction. The two colors of the flowers, dark red in the bud and carmine pink in the flower, giving a unique effect. Plants each, 25 cents; two for 40 cents.

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.

Weltoniensis. A lovely shade of pink. **zebrina**, foliage dark green with whitish veins; flowers light pink.

TUBEROUS BEGONIAS.

The tuberous-rooted Begonias are among the most showy plants for pot culture during the summer, as they bloom profusely for a long time. The large size of the flowers and beautiful form of the plants is the admiration of all. Some of the varieties bear very large drooping flowers, while others have large erect blossoms. After the tops die down take up the bulbs, dry them and keep them in dry sand in a cool place until spring.

Plants of this class do fairly well bedded out, provided they are given a partially shaded situation.

- Begonias, tuberous rooted,
- white**, per dozen, \$2.00; each 20
- Red**, per dozen \$2.00; each . . . 20
- Rose**, per dozen \$2.00; each . . . 20
- Yellow**, per dozen \$2.00; each 20
- Mixed varieties**, per dozen \$1.50; each 15
- Double mixed**, new strain of very fine flowers, per dozen \$4.00; each 40

(See Colored Plate and Novelty Pages.)



TUBEROUS BEGONIA.

REX BEGONIA.

The Rex Begonia, forming a sub-division of the Evergreen class, varying in color and markings, are very effective as pot plants. Care should be taken to keep the foliage from dust. Occasionally the plants may be showered, but should not be exposed to the sun until the leaves are perfectly dry. Of this interesting class we have five varieties, each 25 cents, or the collection \$1.00.

Begonia, Countess Louise Erdody, or Corkscrew Begonia. A peculiar variety of the Rex type, the leaves having a metallic luster, dark silver in the center shading to coppery rose toward the margin; yellowish green veins on both sides of leaf, the spiral twisting of the leaves giving it a very curious appearance, making it entirely distinct from any other variety.

AZALEAS.

Azalec.

Azaleas are popular evergreen greenhouse shrubs, grown principally for cut flowers and 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 summer.

Azaleas, three sizes, each 75 cents, \$1.00 and \$1.25.



REX BEGONIA.

Be Sure
To Include
In Your Order
The Dozen Packets
Of Sweet Peas
On Novelty Page.
Only 40 Cents for this
Beautiful Collection.

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. In November and December there is nothing that will make so cheerful display. 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, except as noted.

Chrysanthemum, Ada Spaulding, purest pearl white in upper portion and deep rich pink in lower. Unusually handsome and striking, the immense globe-shaped flowers, being from 6 to 7 inches in diameter.

Mrs. E. D. Adams. This is the largest and most beautiful white Chrysanthemum in cultivation. Specimen blooms of this variety measured twelve inches from tip to tip. The petals are very long, of medium width, the outer ones swirled, as if the flower had been turned swiftly on its stem. A grand variety.

Alice C. Brewster. A magnificent flower; on opening it is finely shaded with lilac pink, which gradually fades to pure white; strong and of vigorous growth; flowers large and of fine form. It is a very pleasing variety.

Clara Goodman. This is another fine new variety. The flower is very compact, of a dark yellow color, borne on erect, stiff stems. Very desirable.

Cullingfordii, rich crimson, shaded scarlet.

Col. W. B. Smith, an immense double high built flower, petals very broad and large, forming a solid mass of the richest golden bronze.

Duchesse, red, tipped with gold, a flower of great substance.

Dorothy Toler, foliage dark green, flower a rich pink tipped with rose, fine form and medium size.

Ed. Hatch, delicate lemon, suffused with pink.

Edna Pras, light salmon, very pretty.

Elmer D. Smith, cardinal red, reverse of petals clear chamois.

Emma Hitzeroth, a magnificent extra large flower, petals broad and peculiarly arranged, completely filling centre. Bright lemon yellow, exquisite and novel.

E. G. Hill, one of the finest yellow varieties in cultivation. Extra large, tall, double, golden-yellow, lower petals sometimes shaded Indian red.

Firenze, yellow, very early bloomer.

Frank Thompson, grand flowering; creamy-white flushed with pale rose, sometimes canary yellow; broad, thick petals, slightly incurved; stout stems.

Golden Mound. Beautiful golden yellow, turning to a lighter shade as the flower grows old.

Geo. W. Childs, dark crimson; a grand variety.

Gloriosum, light lemon, with narrow gracefully curved petals.

Golden Wedding. A 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.

Geo. S. Conover, plant robust, foliage dark, flowers six inches in diameter and a beautiful canary yellow.

Harry E. Widener, large, bright lemon-yellow flow; incurved, forming a large rounded surface, one of the best yellows.

Chrysanthemum, Harry Balsley, a fine cut-flower variety; color a pearl pink, shading to Mermec pink. Flowers double, semi-globular, with erect petals.

Iora, a large high built flower, petals tubular their entire length and whorled in their arrangement; light pink in color.

Ivory, plant of dwarf habit, flowers snowy white, incurved and very large, free flowering and perfect form.

Jessica, flowers pure white, large, very early bloomer.

J. C. Vaughan, rich plume crimson, flowers large, good grower.

Joey Hill. Of the grandest size; we know of nothing larger in the entire family. Color deep cardinal red, faced with old gold.

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.



CHRYSANTHEMUM, MAUD DEAN.

Chrysanthemums. Kioto, large, incurved flowers; color, deep yellow.

L. Canning, pure white, flowers large and handsome.

Mme. F. Bergmann. A very early, pure white variety; flowers globe shape; grand pot plant; one of the best plants for cut flowers.

Mrs. Wm. S. Kimball, a magnificent variety, flowers of immense size and beautiful form; broad, stiff petals; strong and lasting substance. Color a delicate shade of blush, each petal having a light touch of yellow at the tip.

Mrs. Robert Craig, one of the finest globular whites; very large and shapely, as perfect in type as Mrs. L. C. Madeira is among the globular yellows.

Mrs. J. C. Whildin, a large, handsome yellow variety; splendid in size, and a great addition to the scarce, very early, large flowering varieties; very popular.

Miss Minnie Wanamaker, pure snowy white, deep, rich, full form, with broad, thick petals. Immense flowers in abundance. Robust grower.

Miss Annie Manda. A beautiful addition to the Ostrich Plume class. Flowers of the purest white, fragrant, handsomely incurved; each petal is covered with a long hair-like growth that adds greatly to the unique appearance of the flowers.

Miss Mary Wheeler, pearly white, the petals delicately tinted on outer edge with pale pink; of exquisite form; very beautiful.

Mattie Bruce, new, fine pink, shaded mauve; full reflexed flower.

Mermaid, new, soft, mellow pink, deeper at outer edge, base deep cream.

Mrs. M. J. Thomas, pure white, sometimes marked with pink.

Mr. Hicks Arnold. Large, full double flowers of an old gold color, lighting up wonderfully by artificial light.

Miss Kate Brown, pure white; fine. **M. E. Nichols**, pink, very early.

Mrs. Geo. Rundle, pure white, incurved. **Niveus**, a grand snowy white variety.

Mrs. E. G. Hill, extra early, a pleasing shade of lavender pink, free in growth, with good stem and foliage.

Major Bonnafon, soft yellow of the incurved type, full to the center, six to seven inches in diameter, of dwarf short jointed growth and luxuriant foliage.

Maud Dean, an extra large flowering variety, petals broad and incurved, color light rose, a model plant.

Oriana, pink, outer petals reflexed; center incurving; a seedling from Harry Balsley, consequently tall and late in blooming.

Prest. W. R. Smith, clear bright flesh color, of great substance; a beautiful flower in all its stages, changing to the rounded Japanese form and on to the informal reflexed pattern.

Rohallion. Reflexed, of great depth, petals long and twisted, open at the end; dark chrome yellow; strong grower; one of the most distinct in cultivation.

Rose Queen, beautiful rose-amaranth color, flowers large, flat and well-formed.

Swanley Yellow, pure yellow; large reflexed flowers.

CHRYSANTHEMUMS—Continued.

Chrysanthemum, Source d'Or, golden twisted florets, tipped yellowish-brown. **Snowball**, pure white, grand for cut flowers.
The Queen, a grand double white flower of fine size and great substance, very round form, incurving and full.
V. H. Hallock, rosy pearl, of a marked waxy texture. The color deepens toward the center.
Victor, one of the very best flowers, exceptionally fine and most perfect in shape, in color it is a rich golden yellow slightly shaded with bronze.

Chrysanthemum, Vivian Morel, extra large light pink flowers, petals long and loosely arranged.
Wm. H. Lincoln, beautiful golden yellow, with straight, flat spreading petals, flowers extra large and full.
Wm. Stevens, bronze red.
W. G. Newitt, pure white, with long drooping petals.

(See Novelty pages for other varieties.)

CANNA. Blumenrohr.

The Canna is a fine foliage plant, making a good bed alone, but particularly desirable as the center of a group of foliage plants, for which it is one of the best, growing from three to six feet. The leaves are sometimes two feet in length, of a beautiful green, some varieties tinted with red. Roots can be taken up in the autumn and placed in the cellar. No one can fail to be pleased with this plant.

Canna President Faivre, flowers amaranthred; foliage bronze 15
Robusta, a very fine, tall-growing, dark-leaved variety; 8 to 10 feet high; each 15

Canna, Egandale. Three and one-half feet. Purple foliage, strong, compact flower-spikes; color currant red. Each 20 cts.

FRENCH CANNAS.

Französisches Blumenrohr.

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. They have the additional advantage of being, 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.

Canna, Admiral Courbet, flowers very large, citron yellow, striped orange scarlet. Each 15 cts.

Antoine Crozy, flowers deep crimson, light green foliage. Each 15 cts.

Alphonse Bouvier. This is the King of crimsons, as Madame Crozy is Queen of the scarlet Cannas, and it is a very difficult matter to decide which of these two is the more beautiful. On first opening, the flowers are intense brilliant crimson, but change to a beautiful deep crimson as they more fully expand. The plant makes a luxuriant growth of rich green foliage and produces spikes of enormous flowers in wonderful profusion. Each 20c.

Brilliant, rich shade of bright scarlet, foliage green, a very free blooming variety; good bedder. Each 15 cts.

Chevalier Besson, foliage rich green, flowers clear crimson, free bloomer. Each 15 cts.

Capitaine P. de Suzzoni. This is 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. The plant has handsome light green foliage. Each 20 cts.

Chas. Henderson. Height two and one-half to three feet. Color brilliant deep crimson; broad deep green foliage, narrowly margined with bronze; vigorous, healthy grower. Each 20 cts.

Explorateur Crampel. Four feet. Very strong, foliage medium green in color; flower is as large as Bouvier; color clear vermillion, scarlet tinted, with minute blood crimson spots distributed evenly over the petals. Flower spikes large. Each 15 cts.

Eldorado. Height three to four 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. Each 20c.



Florence Vaughan. This is undoubtedly one of Mr. Crozy's most beautiful and distinct introductions.

The flowers of this splendid sort are of the MOST PERFECT FORM, the petals are even BROADER THAN THOSE OF MADAME CROZY, and more rounded at the ends, which latter characteristic represents the best type sought for in the latest hybridizations; the flowers are well opened and OF THE MOST BRILLIANT GOLDEN YELLOW, DOTTED WITH BRIGHTEST SCARLET, and are the largest of all varieties

of Canna, and are produced in CONTINUOUS SUCCESSION. Each 25 cts.

Francois Crozy. This variety 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. Each 15 cts.

General Boulanger, canary yellow, mottled and streaked with crimson; foliage green; beautiful. Each 15 cts.

J. C. Vaughan. Height two to two and one-half feet. 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. Each 25 cts.

J. D. Cabos. Height four to four and one-half 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. Each 25 cts.

Louis Chretien, clear yellow, splashed with orange; foliage green. Each 15c.
Madame Crozy. This variety, with its large and brilliant flowers, has made for itself a grand reputation, and although other splendid varieties of this class are each year making their appearance, still Madame Crozy will always stand in the front rank; 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, as large as fair sized Gladiolus blooms. The foliage is bright green, broad and massive; the beauty of the flowers is greatly enhanced by their delicate markings. Each 20 cts.

Paul Marquant. A very showy variety, with large, handsome flowers that are of a bright salmon-scarlet, shading to rosy carmine, a novel and pleasing shade; foliage dark green. Each 20 cts.

Queen Charlotte. One of the new French introductions, with a distinct gilt edge. 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. Each 25 cts.

Tonkin, golden yellow, lower petals flamed scarlet; foliage green. Each 15 cts.

PLANTS

CALADIUM.

Caladium. (Zierdlätterig.)

FANCY-FOLIAGED—The fancy-foliaged varieties are beautiful plants for summer decoration.

They require a high temperature to bring out the colors to perfection. Leaves striped, blotched and spotted with white, crimson and pink. In the fall they die down and the bulbs should be kept in the pots in a warm place. Each 30 cents; \$3.00 per dozen.



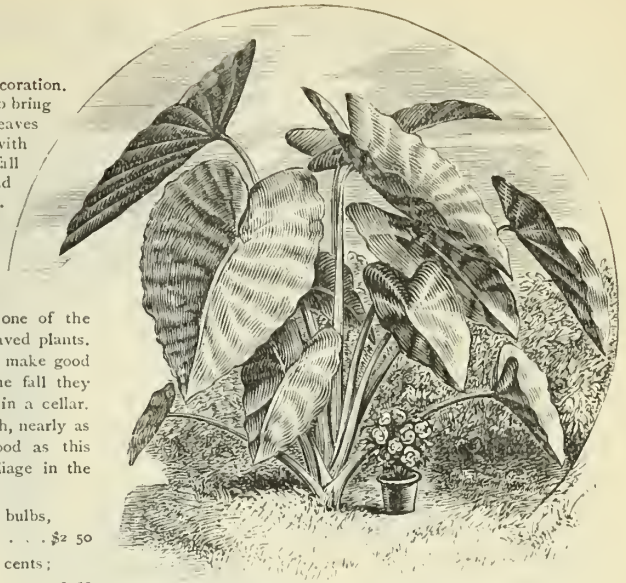
CALADIUM (FANCY-FOLIAGED.)

Caladium Esculentum.

Esbares 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



CALADIUM ESCULENTUM.

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 20
Extra large tubers, each 30
alba maculata, or Spotted Calla. Beautiful for pot culture. The bulbs must be kept in dry sand in the winter 15
Little Gem. A dwarf variety of the old *Calla*, ten to twelve inches high; free bloomer; each 25 cents; two for 40



EGYPTIAN LILY.

SPOTTED CALLA.

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, each 20

We pay the postage or express charges (except when noted.)

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. A 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. A splendid yellow bedding variety, foliage deeply serrated.
Pioneer. Violet crimson, bordered a dark maroon; a charming variety.
Snowcloud. White, yellow and green.
Spotted Gem. Yellow, spotted crimson, green and orange.
Verschaffeltii. Velvet crimson.



COLEUS



CYPERUS ALTERNIFOLIUS.

CARNATIONS

The Carnation is one of the sweetest flowers that grow. 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.

Hinzie'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.

Meteor. Deep brilliant crimson scarlet. Medium to large size bloom, two and one-half to three inches, on a firm stem fourteen to eighteen inches long. Plant a free and vigorous grower, clean foliage and a good free bloomer. Foliage and habit somewhat resembles "Portia." Good calyx. A most promising dark sort.

Mrs. Fisher, flowers pure white, borne on long stems; one of the best varieties for fall and early winter flowers.

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.

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 cents; six for 80 cents; twelve for \$1.50, except those otherwise noted.

CUPHEA LLAVAE.

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.



PLANTS

BOUVARDIA.

Bouvardia.

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 BOUVARDIA.

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.

CYCLAMEN PERSICUM.

Cyclamen.

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, each 25

CALCEOLARIA CREOLE QUEEN. Brown maroon 20

FEVERFEW LITTLE GEM. A new dwarf variety, growing only from eight to twelve inches in height. The flowers are large and of the purest white 15

RUBBER TREE.

Ficus elastica or Rubber Tree, with thick, shining leathery leaves, ten inches long by three wide; an excellent and showy pot plant 75 to 1 50

DRACÆNA INDIVISA.

A very ornamental plant for pot culture on account of the 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.

FARFUGIUM GRANDE.

Leopard Plant.

The Farfugium is 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, should make it one of the most popular plants in cultivation. The leaves are large, thick and leathery, of a rich, dark, glossy green, and handsomely marked with showy yellow blotches, of various forms and sizes. It is also well adapted for out-door culture in a warm, partly shaded situation.

Strong plants, each 30 cents.

Remember at these prices we pay postage or express charges, unless otherwise noted.

DAHLIA.

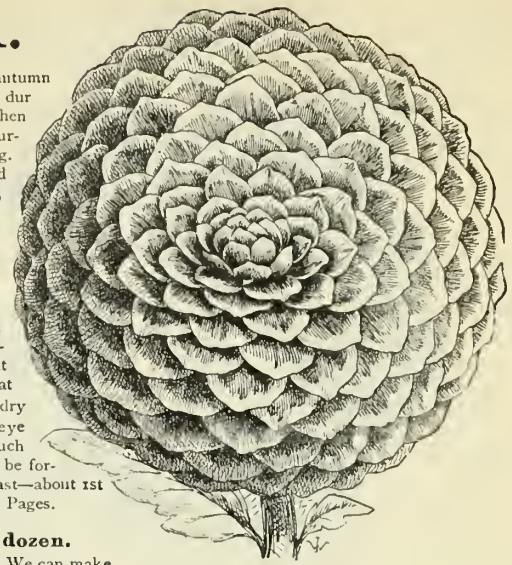
The Dahlia is one of the grandest autumn flowers we have. It is in its glory during September and October, when other flowers are fading, and surrenders only to the Frost King. Put Dahlia tubers in the ground when the season gets warm, covering the neck some three inches. If many shoots start, thin them 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 in consequence of too much moisture and warmth. Tubers can be forwarded as soon as danger from frost is past—about 1st of April. See also colored plate and Novelty Pages.

Price, 20c. each; three for 50c.; \$2.00 per dozen.

If the selection is left to us we will sell bulbs at \$1.75 per dozen. We can make a selection that will delight any lover of this beautiful flower. Our stock forms the finest collection in the world. Our roots are all pot grown, and exceptionally fine.

SHOW DAHLIAS.

This class grows tall, and has large showy flowers.
Dahlia Ada Tiffin, light peach, tinged with rose.
Arthur, deep lilac, full size.
Bird of Passage, white, tipped with pink; always reliable.
Client, rich crimson, very erect and showy.
Constancy, yellow ground, deeply edged with lake; exquisite.
Duke of Connaught, dark crimson, shaded purple.
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.
Firefly, deep scarlet.
George Dickson, chestnut brown, a peculiar color; always perfect.
Hercules, yellow, striped and speckled with crimson.
High Sheriff, very dark, nearly black; standard variety.
James G. Blaine, beautiful crimson; full and fine.
James Cocker, fine purple.
James Stephens, bright orange scarlet; new color; very fine.
James Vick, purplish maroon; color intense; full and symmetrical.
John Lamont, maroon, with dark stripe.
Lady Allington, dark scarlet, tipped white.
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. G. R. Jefferd, large, deep yellow.
Mrs. Langtry, cream color; edged with crimson.
Oriole, golden ground, scarlet tipped and striped.
Pioneer, maroon, large, fine.
Prince Bismarck, fine large purple; unsurpassed.
Princess, white; large flower, free bloomer.
Queen of Sports, white and lilac, purple striped.
Robin Adair, peculiar shade of brown, flowers fine.
Ronald, buff; free and fine.
Snow Cloud, pearly white; withstands the sun.
Startler, very dark maroon, with white tips.
Statesman, purplish-crimson; a beauty.
Sunlight, bright scarlet.
Surprise, light ground, tipped violet purple.
The Pet, dark maroon, tipped with white.
Thomas White, dark crimson maroon; very free bloomer.
William Dawkins, fawn, edged with bright crimson.
Woman in White, large white.
Yellow Boy, deep yellow.
Yellow Standard, yellow.



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. They are 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.
Little Bob, fine, deep scarlet.
Little Leopold, deep pink; very fine.
Profusion, crimson, tipped with white; fine and free.
Red Indian, deep coral red.
Sappho, rich maroon, sometimes has a light center; splendid.
Spotted Beauty, deep crimson, blotched and spotted white.
White Aster, pure white; fimbriated.

DWARFS OR BEDDERS.

The Dwarf Dahlias grow only about eighteen inches high, but the flowers are full size.

Dahlia, Fire King, bright crimson.
Fraulein Hettergot, light and rose; fine dwarf.
Gem of the Dwarfs, red, tipped with white; unsurpassed.
Goldfinder, golden yellow; good habit, free bloomer.
Margaret Bruant, white; good bedder.
Meta Bartelles, pink, delicate shade.
Mt. Blanc, clear white.
Sambo, dark maroon.

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 25
Black Prince, dark velvety maroon; extra fine 25
Charming Bride, white, tipped with pink 25
Countess of Radnor, all the hues of a sunset 25
Harry Freeman, fine white 25
Kynerith, magnificent vermilion; free bloomer 25
Mrs. Tait, large white; serrated petals 25
St. Catherine, cadmium yellow, free bloomer 25
Sydney Halling, deep purplish maroon 25

New and Scarce Varieties of Dahlias for 1898.

Price, 30 cents each, \$3.00 per dozen.

New Cactus Dahlias for 1898.

Blanche Keith, fine yellow, with long twisted petals.
Countess of Gosford, cinnamon, suffused with gold.
Grand Duke Alexis of Russia, white, tipped with delicate lilac.
Lady Montague, deep, rich crimson.
Miss Arnold, deep pink, shaded lilac.
Miss Peart, beautiful white, long twisted petals.

New Show Dahlias for 1898.

Alec Fielding, creamy ground, heavily tipped purplish rose,
Adolph Wagner, buff, dotted and lined deep crimson.
Effie Wilmot, yellow ground, tipped with lake.
John Walker, clear white, perfect flower.
Lady Grace, light lemon, free blooming.
Yellow Queen, clear yellow, fine form.

BULBS

FUCHSIA.



The Fuchsias 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 a 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 and 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; a free grower, and an early and constant bloomer; very fine.
Little Beauty, see novelty pages.
Miss Bailey, sepals white, corolla pink; a wonderfully free bloomer.
Rosalind, tube and petals white, corolla magenta pink.
Trailing Queen, this beautiful Fuchsia is entirely different from all other flowering varieties, as it takes the form of a trailing vine; branching freely, until the stems are three to four feet in length; the flowers are 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; a 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, and 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 very 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, see novelty pages.

Plants, each 15 cents.



Gloxinie.

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 bloom-

ing 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; quick growth and of very easy culture. The 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. In Florida it grows to a large size and then produces flowers of a bright orange color.

Plants, each 20 cents; two for 35 cents.

FERNS.

Ferns, Davallia Stricta. A most beautiful decorative fern of strong habit; fronds a beautiful shade of green.
Nephrolepis Exaltata (Sword Fern), one of the most popular ferns; very graceful.
Pteris cretica albo lineata. Leaves green and white, very pretty.
Pteris Serrulata. Of graceful habit; makes a fine pot plant.
Pteris Adiantoides. A strong growing variety, with broad, glossy, deep green foliage. Per doz. \$2.25; 25 cents each.

GERANIUM

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.*

Geraniums For Bedding and Pot Culture.

Single.

Geranium, Aurelian Scholl, violet rose, marbled white on the upper petals; thrifty grower and a grand bedding variety.

Cinderella, bright rosy salmon; fine truss.

General Grant, scarlet. This good old sort still retains popularity as a bedder. It has no equal for freedom of bloom and brilliancy of color.

Jumbo, flowers of a 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 a small but distinct white eye. Plant of good habit, free bloomer.

Mrs. James Vick, salmon, shading to nearly white, without an equal for winter.

M. Poirier, the truss and individual florets of this variety are exceedingly large and well formed; color beautiful carmine violet; fine.

Madame Cornell, a grand Geranium. Flowers of immense size, perfectly formed, of a very soft rose color; fine strong grower.

Perfection, flowers brilliant scarlet with a distinct white eye; a very fine sort.

Phil Heile, enormous trusses of crimson flowers; splendid habit of growth.

Pink Gem, pink, the base of the upper petals margined with white, somewhat resembling the old favorite Master Christine.

Queen of the Whites Improved, one of the finest white Geranium ever sent out; truss and individual flowers large and well formed, petals broad and perfect; of good growth and habit.

Pretty Jane, rosy magenta; large truss of well shaped flowers, dwarf habit.

Souvenir de Mirande. This is probably the handsomest Geranium that has appeared for a number of years, and is entirely distinct from any variety in existence. The flowers are large, nicely rounded, and have a very large pure white eye, that is 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 contrast that is very striking as well as pleasing, even to the most fastidious. The habit of the plant is good, and it may be classed as one of the freest bloomers in cultivation; without an equal for either bedding or pot culture.

Trophee, light lavender pink.

White Wings, a beautiful white variety, flowers large and well formed.

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:

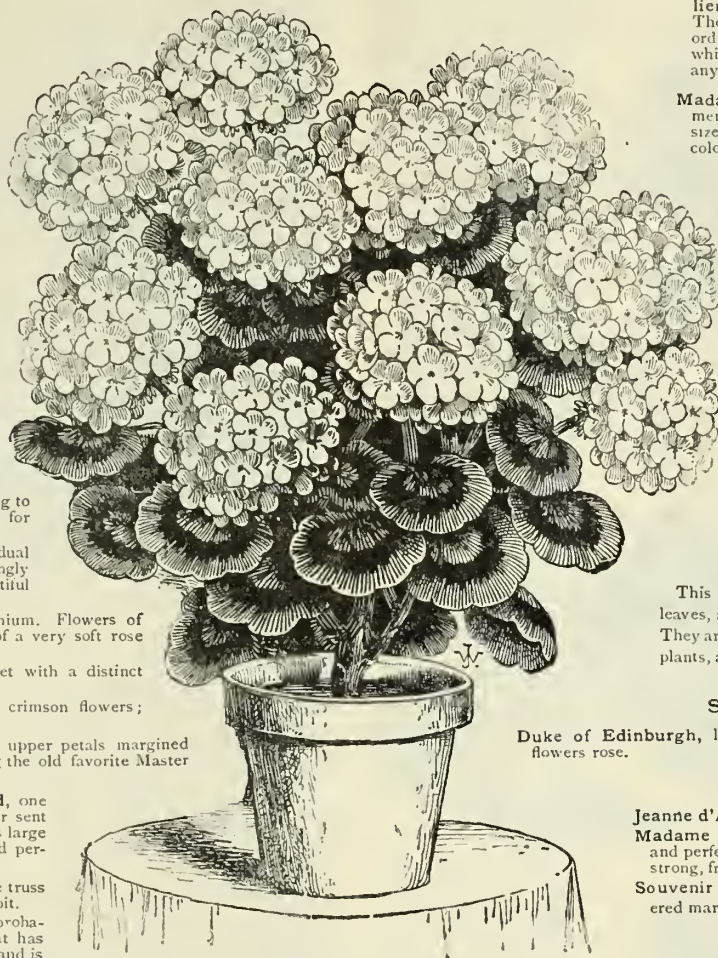
Bishop Wood, scarlet and violet; splendid bedder.

Constable, of good habit, large flowers of a beautiful bright rose color.

Donald McNaughton, large truss of purest white flowers, without the slightest shade of pink. Valuable for bedding.

La Favorite, the best pure white.

Mrs. Langtry, pure white; truss and flowers very large.



SOUVENIR DE MIRANDE.

PLANTS

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

Geranium 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 la Comtesse de Baume, immense truss; double florets of the largest size; growth and habit of plant perfect; color a beautiful rose, marked white.

Madame Thibaut, flowers very large, deep rose-pink, upper petals marked with white.

Paul Arene. Flowers a beautiful creamy-white tint; large and well-formed. Plant of dwarf habit.

S. A. Nutt, very 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, and the plants are of a drooping habit. They are excellent for baskets, vases and house plants, and not undesirable for lawn beds.

SINGLE.

Duke of Edinburgh, leaves light green, broad white margin, flowers rose.

DOUBLE.

Jeanne d'Arc, white, suffused with lavender.

Madame Thibaut, flowers very double, full and perfect in form; color rich deep pink; a strong, free grower.

Souvenir de Chas. Turner, deep pink, feathered maroon in upper petals.

Tricolor.

LEAVES FINELY VARIEGATED. These Geraniums are much prized for the beauty of their

foliage, which is very handsome. For culture in the house or conservatory, they are among the best.

Mrs. Pollock. Flowers scarlet; 30 cents.

Bronze.

The leaves of the Bronze Geranium show the most beautiful shades of yellow or brownish red, the foliage being as handsome as flowers.

Cloth of Gold. Scarlet; leaves golden-yellow.

Crystal Palace Gem. Scarlet; leaves yellow with green center.

Black Douglas. Flowers salmon, foliage golden yellow; red zone.

Magician. Leaves green and yellow, with chocolate zone; flowers double scarlet.

Silver-Leaf.

LEAVES WHITE MARGINED. This class have 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 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



- | | |
|--|--------------|
| Gladiolus Addison , dark amaranth with white stripes | EACH. \$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) | 3 00 |
| Ambroise Verschafelt , carmine, garnet flamed | 15 |
| Andromede , rose, slightly tinted with carmine and streaked with white; large yellow blotch | 10 |
| Angele , white, showy and effective | 10 |
| Ball of Fire , scarlet crimson, with maroon blotch and blue center | 25 |
| Blanc d'ivoire , long spike of ivory colored flowers, relieved by a small yellow and purple blotch (NEW) | 3 00 |
| Blanch fleur , fine spike of large, well expanded flowers; pure white with a few lilac spots (NEW) | 5 00 |
| Brenchleyensis , vermilion scarlet; fine old variety, very vigorous and free bloomer | 5 |
| 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) | 3 00 |
| Ceres , white, marbled and striped with rose and purple | 5 |
| Charlotte Cushman , brilliant scarlet, beautiful large white throat, white line in each petal | 10 |

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|--|--------------|
| Gladiolus, Chateaubriand , cherry rose, carmine streaked | EACH. \$0 15 |
| 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) | 3 00 |
| Dr. Woodman , Salmon, flaked with pink and lake; large carmine blotch on lower petal | 35 |
| Eugene Scribe , flowers large and wide, rose, blazed with carmine red; fine Flamboyant, fiery scarlet, fine spike | 10 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. The flowers are not large, but very compact on the spike | 1 00 |
| Isaac Buchanan , fine yellow | 10 |
| James Carter , light orange red, very bright, with a 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 |
| Lord Byron , brilliant scarlet, stained and ribboned with pure white | 20 |
| Madame Monneret , delicate rose, carmine blotch | 10 |
| Magnificus , flowers large and open, purplish-rose; white blotched, edged violet | 1 50 |
| Meyerbeer , brilliant scarlet, amaranth red blotch | 20 |
| Mr. Burley , cherry-rose, yellow blotch striped with violet | 10 |
| Mr. Derry , amaranth, flaked with purple, white line in each petal | 15 |
| Murillo , cherry rose on light ground, white blotch, white line in each petal | 15 |
| Napoleon III. , bright scarlet, white line in each petal | 10 |
| Nestor , yellow, lower part darker, red striped | 25 |
| Pactole , yellow tinged with rose at the edges, blotch of darker shade | 15 |
| Panama , intense rosy carmine suffused with scarlet, slightly marked with slate color at outer edge; white blotch | 1 00 |
| 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 |
| Phœbus , fiery red, with large snow white blotch | 20 |
| Proteus , large and close spike of bright rose flowers, the 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 |
| Richard Cœur-de-Lion , crimson red, flamed with garnet, lower petals spotted golden yellow | 10 |
| Roi Leopold , rose, crimson blazed, carnation stripe | 15 |
| 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 with purple stripes | 35 |
| Triumphans , cherry, shading to currant red | 20 |
| Ulysses , clear pink, striped carmine, large ivory white blotch | 25 |

NAMED GLADIOLUS.

Great Inducement.

"A Baker's Dozen." Our Prize Collection of Thirteen Selected Named Gladiolus Bulbs, the cream of our large collection, for only . . \$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.

These seedlings are 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 for 50c., \$2 per 100.
- Light Colors, all shades; 14 bulbs for 50c., \$3 per 100.
- Red and scarlet, all shades; 16 bulbs for 50c., \$2.50 per 100.

Not less than 50 at 100 rates.

BULBS

GLECHOMA.

Glechoma 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 20

GENISTA CANARIENSIS.

A beautiful yellow flowering greenhouse shrub The flowers are pure golden yellow and literally cover the plant when full grown, each 15

HYDRANGEA. Hortensie.



HYDRANGEA,

NEW RED BRANCHED.

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.

New Red Branched, (*Ranulus 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 cents; extra large plants, by express only, 40 cents.

HIBISCUS (Chinese). Givish (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 Coolerii, 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.

JASMINE.

Jasmin.

The Jasmine is a favorite greenhouse or house plant everywhere. It is the idol of the poets and one of the sweetest flowers; 20 cents each.

Jasminum grandiflorum, foliage fine; flowers white, star-shaped, and very fragrant, blooming from November till May, easy of culture.

LANTANA.

The Lantana is of easy culture; its free-flowering qualities make it very desirable for the house; the plants can be trained in almost any desired form, and are almost continuously in bloom. The flowers are small, in clusters; 15 cents each; \$1.50 per dozen.

Lantana Favorite, yellow merging into crimson.

Imperatrice Eugenie, blush and white.

Nelly Bly. A sweet scented variety of this beautiful class of plants is indeed a rarity. This 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 so as to leave a beautiful truss of pure snowy whiteness. The plant is a strong grower and blooms profusely.



LANTANA—NELLY BLY.

Each 20 cents; three for 50 cents.

HELIOTROPE.

Heliotrope.



Well-known plants grown for their exquisite fragrance. They make handsome plants when bedded out, blooming moderately through the summer, and in great profusion early in the fall. They are also very desirable for house culture, a single plant filling a whole room with perfume. Each, 15 cts; \$1.50 per doz.

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, one of the best.

A HEDGE OF ROSES.

Think of a hedge of White, Yellow and Crimson Rambler Roses, covered with flowers in June, and producing many immense trusses of sweet-scented flowers all summer.

Could Anything be More Superb?

This set of three plants of Rambler Roses,—Crimson, Yellow, and White, all perfectly hardy,—delivered at your postoffice for only 40 cts.

WE PAY THE POSTAGE OR EXPRESS CHARGES, EXCEPT WHEN NOTED.

MEXICAN PRIMROSE.

Mexikanische Primet.

A charming plant which in its freedom of bloom excels all others. The flowers are almost three inches in diameter, cup-shaped, of a beautiful bright pink color with scarlet veins, and have a large, showy white center. It is a plant of easy culture and will succeed in any soil or situation, and blooms in great profusion all through the summer and autumn.

Plants each, 20 cents; two for 35 cents.

OLEANDER.

Oleander.

An old-fashioned shrub grown as a pot plant, with a profusion of large flowers.
Oleander, Double Pink, the old variety 20
Double Pink, extra large size 30

OXALIS.

Sauerflee.



Ever blooming varieties, excellent for pots and baskets, leaves three-parted, flowers in clusters, half an inch or more in diameter.

- Oxalis floribunda alba**, per dozen \$1.00; each 10 cents.
- Ortgiesi, or Golden Star**. The plant grows from twelve to fifteen inches in height, branching freely, with dark orange foliage, the underside of which is a beautiful crimson. The flowers are in clusters, star-shaped, bright golden yellow. This plant is in bloom all the year round. Each 20 cents; three for 50 cents.
- rosea**, per dozen \$1.00; each 10 cents.
- Deppii**, another excellent Oxalis for summer borders and edgings. It bears but few flowers, but the leaves are handsome enough to compensate for the lack of flowers; per pint, 50 cents; per half pint 25 cents; per dozen . . . 10
 One pint is sufficient for fifty feet of row.
- lasiandra**, this Oxalis is one of the prettiest plants we are acquainted with for borders of beds, edgings of walks, etc.; bulbs, per doz. 10 cents; per hundred 50

OTHONNA.

Othonne.

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.

Othonna crassifolia, plants, each 15 cents; two for 25 cents.

SANSEVIERA ZEALANICA.

Is a very beautiful and rare plant for all decorative purposes. It is one of the few plants that may be successfully grown out of the sunlight. The foliage is beautifully striped crosswise, with broad, white bands in dark green background and is very unique and fancy in appearance. 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. It makes a beautiful center plant for hanging in baskets or vases. It always looks bright and healthy.

Strong plants, each, 20 cents.

- MAHERNIA odorata** (Honey Bell), a pot plant, of easy culture, having fine foliage and pretty, bell-shaped flowers; fragrant 15
- PEPEROMIA maculosa**. A very pretty plant, with small, dark green foliage, veined with silver. Adapted for bracket, pot, or basket culture. Each 20
- PILEA serpyllifolia** (Artillery Plant), with very small pinkish-white flowers. When the flowers are ready to expand the least moisture causes them to burst 20
- RIVINA humilis**, a beautiful little pot plant, with racemes of small white flowers, followed by scarlet berries 20
- RUBUS grandiflora** (Double-flowering Blackberry), The flowers are large and pure white. An excellent plant for house in winter 20

PETUNIA.

Petunie.



Few plants give better satisfaction where a mass of flowers is desired than the Petunia, especially the single varieties. They flower from the time they are planted in spring until killed by frost. The double varieties are also excellent for bedding, but they do not produce their flowers in such wonderful profusion as do the single kinds. 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. A well grown plant is always in bloom.

- 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.

SALVIA SPLENDENS.

The well known scarlet sage, flowers bright scarlet. Each 15 cents.

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. Plants, each 20 cents; three for 50 cents.

TIGRIDIA.

Tigerblume.

The flowers of Tigridia are about four inches in diameter. Set them about the middle of May, and take them up in October, dry for a few weeks in the air and pack away in dry sand or sawdust, free from frost.

- Tigridia conchiflora**, yellow and orange, with dark spots; 75 cents per dozen; each 20
- pavonia**, red, crimson spots; 75 cents per dozen; each 10
- 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; \$1.00 dozen; each . . . 10

The set for 25 cents.



TIGRIDIA.

VERBENA.

Verbena.



In the following list we offer a choice selection of the finest **NEW VERBENAS** in the world. The individual flowers are of the largest size, often measuring an **INCH IN DIAMETER**. The trusses of these new varieties are also enormous, being nearly double the size of the older sorts.

No plant will give better satisfaction for bedding out than the Verbena. It commences to flower and spread from the first 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.

- Admiral, light crimson.
- Amorel, beautiful light pink.
- Auriculiflora, magenta, large white eye.
- Brilliant, bright scarlet.
- Caprice, lilac, striped and flaked with purple.
- Mystic, white, striped with pink.
- Phantom, maroon, white eye.
- Red Rover, fiery red.
- Tableau, violet purple.
- Tecumseh, scarlet, large white eye.
- Vigilant, pearly white.
- Winifred Eyre, light blue, large white eye.

Named varieties, each 10 cents; per dozen \$1.00; per 100 \$7.00.

We have made the following selection of colors to 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. Plants, each 10 cents; per dozen 80 cents; per hundred \$6.00.

- Red, White, Blue, Scarlet,
- Pink, Purple, Maroon, Striped.

UNNAMED SORTS.

Fine assortment of colors. Plants, each, 8 cents; per dozen, 70 cents; per hundred, \$5.00.

LEMON VERBENA.

A shrubby plant, with light green, fragrant leaves, and lilac tinted flowers. An old favorite.

Lemon Verbena, (*Aloysia citriodora*), each 15

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 Tuberozes are all of our own growing, and splendid bulbs.

New Dwarf Tuberose, "Pearl," per dozen, 60 cents; half dozen, 35 cents; three tubers, 20 cents; each 8 cents.



WATER HYACINTH.

The Water Hyacinth is a plant of great beauty. It floats by means of curious inflated leaves, from which great masses of feathery blue roots grow downward. The plant takes the form of a large rosette, and throws up spikes of Hyacinth-like flowers, that are as beautiful as the Orchid. Each flower is about two inches in diameter and of a sparkling rosy-lilac color. The plant is of the simplest culture imaginable; place it in water, in a pail or tub in the open air in summer. For window culture in winter, a glass vessel is preferable.

Strong blooming plants, each 15 cents; three for 40 cents.

- TRITOMA Uvaria, flower stems grow from four to five feet in height, surmounted by a spike of curious red and orange flowers, a foot in length . . . 20
- VERONICA Blue Gem, dwarf, flowers light blue, in spikes three to four inches long 20
- VINCA, major variegata, rapid grower; leaves glossy green, marked white 15

THIRTY YEARS

WITHOUT A FAILURE.

The first time we saw VICK'S CATALOGUE advertised we sent for it, and that was twenty-nine or thirty years ago.

*Vick's Seeds are Cheap,
For they Never Fail.*

Thirty years without a failure is a grand record.

MRS. JESSE BASSAGE,
Steuben Co., N. Y.

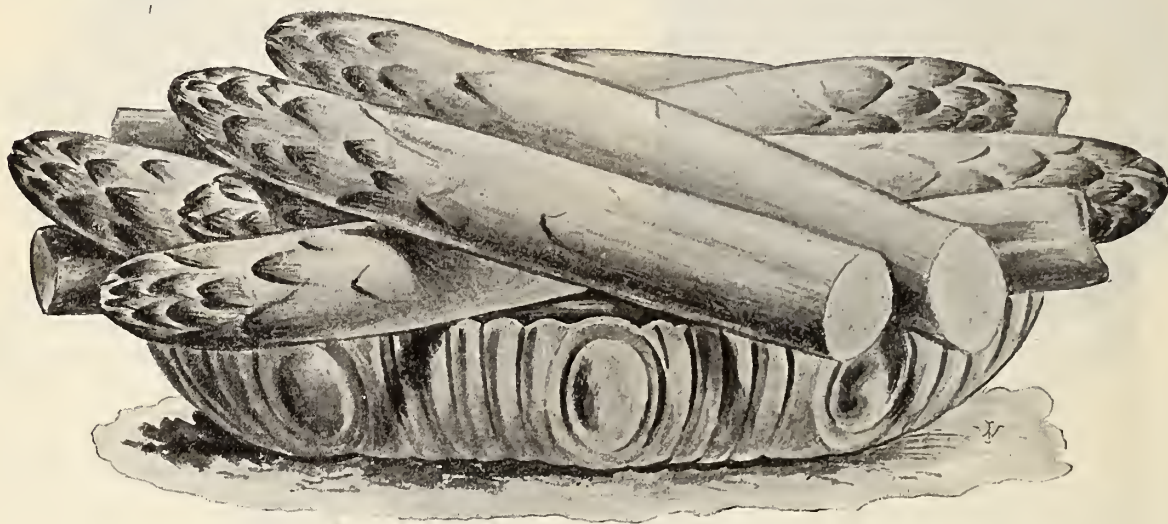
VEGETABLES.

IN OUR VEGETABLE DEPARTMENT everything is tested before being packed, so that we know that all will grow if treated well. We have *included* almost every article of known value, and have *excluded* everything our experience has proved unworthy of culture, as also some untried and not very promising kinds. 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 trials on our grounds.

Much of our vegetable seed, and the most important, are grown upon our seed farms; other kinds we have grown for us by the most reliable growers in England, France, Germany, and other countries, and we have no hesitation in saying that altogether our Vegetable Seeds *are not excelled, if equalled*, by any collection in the world. We have endeavored to describe the different kinds so that their character and value may be understood, with such simple directions for culture, as with little care will ensure success.

The list of Vegetable Seeds is constantly increasing, and many of our customers are at a loss to know which is 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. No mistake can be made in using those which we describe, as they have been tried and found of permanent value.

Any Novelties or Specialties in Vegetable Seeds offered by all reliable Seed Houses, not listed here, can be included in our customers' orders, and we will furnish the same at regular advertised prices.



VICK'S MAMMOTH ASPARAGUS.

ASPARAGUS.

Asparagel.

To grow Asparagus plants from seed, sow 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 in length. 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, and 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 of Asparagus grown and takes the lead of all other varieties. Per lb. \$2.50; per oz. 25 cts. 10

Roots—
 { 2 years, by mail, per 100, prepaid \$ 2 00
 { 2 years, by express, per 100, not prepaid 1 50
 { 2 years, by express or freight, per 1000, not prepaid 12 00

Conover's Colossal, large and of rapid growth. Per lb. 50 cents; per oz. 10 cents 5

Roots—
 { 2 years, by mail, per 100, prepaid 1 50
 { 2 years, by express, per 100, not prepaid 75
 { 2 years, by express or freight, per 1000, not prepaid 6 00

Columbian Mammoth White, a new variety, producing white stalks of large size and finest quality. Per lb. \$1.50; per oz. 15 cents 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 Artichoke. The portion used is the flower head in an undeveloped state.

Artichoke, Jerusalem, per bushel \$3; per peck \$1.25, by freight or express, charges not prepaid; per quart, by mail or express, prepaid 40
Green Globe, seed per pound \$3.00; per oz. 30 cents; per packet 5

BROCOLI.

Brocoli resembles the Cauliflower; indeed, it is hardly possible to distinguish the difference. Brocoli, 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 cannot have Brocoli.

Brocoli, 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; per oz. 35 cents 10
White Cape, heads medium size, compact, of a creamy white color and excellent flavor. Per lb. \$3.50; per oz. 35 cents 10



BROCOLI.

BEETS.

Rothe Rüben

The Beet is a valuable vegetable, both for the table and for stock. If seed is sown pretty thickly in drills in the early spring, the plants, as soon as they become a few inches in height, can be thinned out and prepared for the table, like Spinach. In this way they can be used for a month or more until the roots become as large as Radishes, both roots and leaves being excellent. When larger the roots are cooked alone. In autumn the full grown roots should be stored away in a cold cellar, or pit covered with earth; in this way they will keep until spring.

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 leaf-stalks being eaten when cooked, like Asparagus, and we consider it a great luxury.

- Beet, Egyptian Blood Turnip, the earliest variety grown, and valuable on this account; per lb. 50 cts.; per oz. 10 cts. 5
- Eclipse, a standard early variety, about as early as the Egyptian; root round, dark red, smooth; top small; quality excellent; per lb. 50 cents; per oz. 10 cents 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. 60 cents; per oz. 10 cents 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. 5
- Improved Early Blood Turnip, turnip-shaped, smooth, tender and good; about ten days after Bassano; per lb. 50 cents; oz. 10 cents 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 cts.; oz. 10 cts. 5

Long Blood Red, Bastian's Early Turnip, Early Yellow Turnip, Lentz Turnip, Electric, Surprise, Columbia. 50 cents per pound; 10 cents per ounce; 5 cents per packet.

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. 60 cents; per ¼ lb. 20 cents; per oz. 10 cents 5
- Imperial Sugar, one of the sweetest and best Sugar Beets; per lb. 40 cents; oz. 10 cents 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 cents; per ounce 10 cts. 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 5
- Swiss Chard, Large Ribbed Scarlet Brazilian, per lb. 90 cts.; oz. 10 cts., 5
- Swiss Chard, Large Ribbed Yellow Brazilian, per lb. 90 cents; oz. 10 cents 5
- Swiss Chard, Large Ribbed Silver, per lb. 50 cents; oz. 10 cents 5

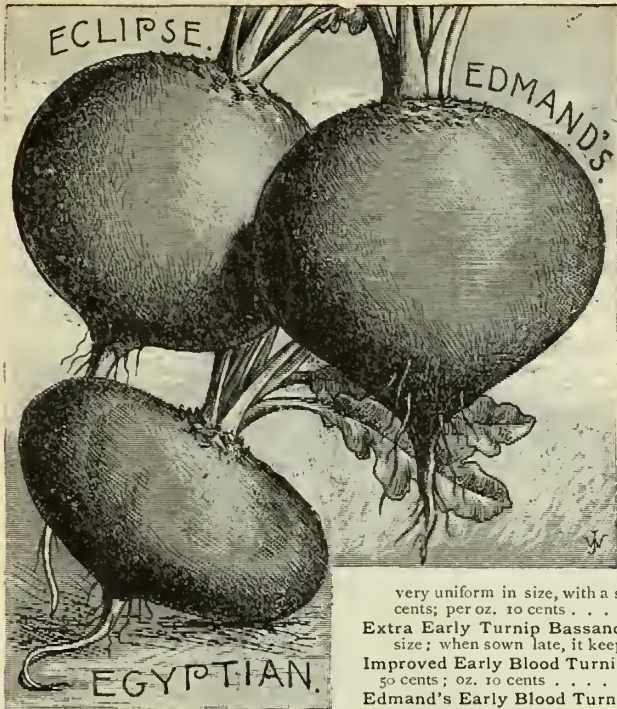
MANGEL WURZELS—USED FOR CATTLE.

- Golden Giant. The Golden Giant will produce a larger crop than any other variety of Mangel that has ever been grown. It is a root of magnificent size, growing with half its bulk above ground, and so making it easy to lift and gather. The root is uniform in shape, with a smooth, rich, russet yellow skin, flesh white, firm and sweet, and greatly relished by cattle. It is an excellent keeper, and should be raised by all stockmen. Per lb. 50 cents; ¼ lb. 15 cents; oz. 10
- Vick's Mammoth Long Red, of very large size and good quality; one of the best stocks of Long Red Mangel in cultivation; per lb. 40 cents; ¼ lb. 15 cents; oz. 10

Improved Orange Globe, the very best round Mangel; keeps better than the Long Red, and is better adapted for growing in shallow soils; per lb. 40 cents; ¼ lb. 15 cents; oz. 10 cents.

Golden Tankard, a fine variety; particularly valuable on account of its milk producing qualities; flesh deep yellow; per lb. 40 cents; ¼ lb. 15 cents; oz. 10.

Yellow Globe, Elvetham Long Yellow, Red Globe, 40 cents per pound. 1-4 lb. 15 cents. 10 cents per ounce.



BEANS.

Bohnen.

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 these prices the goods are delivered except when noted.

DWARF WAX BEANS.

Beans, New Prolific German Wax, an improvement on the old Wax, or Butter, having longer, rounder, straighter pods, and being much more prolific; per quart 35 cents; per pint 25 cents. 10

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. Will furnish a bountiful supply of beans for a long season if picked as fast as formed. With its fine quality, hardiness, productiveness and freedom from rust, it must certainly become a favorite. Price, quart 50 cents; pint 30 cents, pkt. 10

Improved Golden Wax, an early, stringless Bean, of golden wax color and excellent quality; per quart 35 cents; per pint 25 cents 10

Valentine Wax, a new improved, extra early, red valentine bean with round wax pod. It is very early, tender, and almost stringless. The pod is free from all toughness and remarkably solid; very handsome in appearance and free from rust. Price, per quart 50 cents; pint 30 cents; packet 10

DWARF LIMA BEAN.

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 50 cents; pint 30 cents 10

Wardwell's Kidney Wax, extra early; long, flat, waxy pods; remarkably free from rust; per quart 35 cents; per pint 25 cents 10

Yosemite Mammoth Wax, so named on account of its enormous size. The pods are of a rich golden color, eight or nine inches in length, with the thickness of a man's finger, nearly all solid pulp, and absolutely stringless. Enormously productive; per quart 50 cents; pint 30 cents 10

Black-Eyed Wax. Flageolet Wax. Speckled Wax.
Quart 45 cts.; pint 25 cts.; package 10 cts.

GREEN POD DWARF SNAP BEANS.

Vick's Dwarf Prolific Pickler is distinct in seed, in color and habit of growth and most prolific bean in cultivation. When young they make a most excellent Snap Bean, being at that season entirely stringless, stocky plants from 2½ to 3 feet. Pods in clusters and from 7 to 10 inches long, showing the green color so desirable for pickles; qt. 45 cts.; pint. 25 10



IMPROVED GOLDEN WAX.

Emperor William, without exception the most prolific and earliest White Bean known; stringless when young; per quart 45 cents; pint 25 cents 10

Extra Early Red Valentine, early and tender for String Beans; quart 35 cents, pint 25 cents 10

Long Yellow Six Weeks, one of the best green podded varieties; early, tender, stringless; per quart 35 cents; per pint 25 cents 10

Early Mohawk, an early, hardy, productive String Bean; per quart 35 cents; per pint 25 cents 10

Extra Early Refugee. This variety has all the good qualities of the well-known Refugee, with the advantage of being ready for use ten days earlier; quart 35 cents; pint 25 cents 10

Miller's Round Yellow, White Marrow, Broad Windsor, Dwarf Horticultural, White Kidney or Royal Dwarf.

Quart 40 cents; pint 25 cents; package 10 cents.

Horticultural Lima Bean. This is a true cross between Dreer's Pole Lima and Dwarf Horticultural. For good quality, extreme earliness, hardiness, flavor, and productiveness it excels. It is fully 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; per quart 50 cents; per pint 30 cents 10

Old Homestead. (Kentucky Wonder.) In our opinion this is far ahead of any other green Pole Bean. It is at least ten days earlier than any other green sort, being fit for the table by the first of August. It is enormously productive, entirely stringless, and the pods, though large, cook tender and delicious. per quart 45 cents; per pint 25 cents 10

POLE, OR RUNNING BEANS.

Early Golden Cluster Wax. A very vigorous and productive variety; pods long, flat, very white, tender, and of good quality; the earliest of the Pole Beans; per quart 50 cents per pint 30 cents 10

Extra Early Lima does not differ materially from the common sorts, except in earliness; in this it has the advantage of from ten days to two weeks; per quart 50 cents; per pint 30 cents 10

"King of the Garden" Lima Bean is a very vigorous grower, requiring but two vines to each pole. They set their pods early at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Many of the pods measure from five to eight inches and contain five, six, and seven perfect formed Beans to the pod, of superior edible quality; per quart 45 cents; per pint 30 cents 10

Dreer's Improved Lima, earlier and more productive than the old sort, though the seeds are smaller; per quart 50 cents; per pint 30 cents 10

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 cents; per pint 30 cents 10

Scarlet Runner, Dutch Case Knife, Southern Prolific, Large White Lima, London Horticultural or Speckled Cranberry.

Per quart 40 cents; per pint 25 cents; per packet 10 cents.

DWARF BUSH LIMA BEANS.

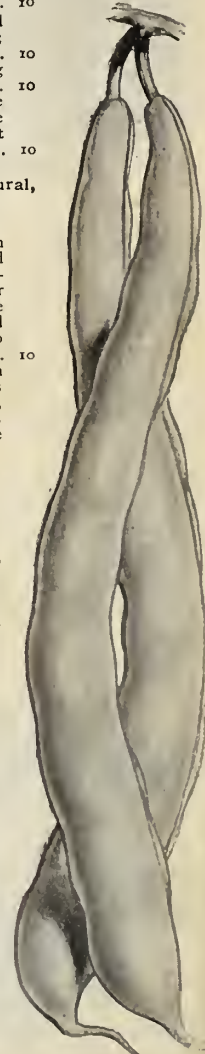
Burpee's Bush Lima. Is both prolific and early; per quart 50 cents; per pint 30 cents 10

Dreer's Improved Bush Lima. Desirable on account of dwarf habit and earliness; qt. 50c, pt. 30 10

Henderson's Bush Lima. The most prolific of the Bush Lima varieties. Per qt. 45c., per pt. 25 10
One packet, each, of the three Limas for 25 cents.



PLANT OF DWARF LIMA BEAN.



YOSEMITE WAX BEAN.

CUCUMBER.

Curten.

In this latitude it is useless to plant in the open ground until nearly the first of June. Make rich hills of well rotted manure, two feet in diameter, and plant a dozen or more seeds, covering half an inch deep. When all danger from insects is over, pull all but three or four of the strongest plants. The middle of June is early enough to plant for pickling. Make the hills about six feet apart. For early Cucumbers the hot-bed is necessary; but the simplest and surest way to produce a tolerable 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.

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.

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.

AMERICAN VARIETIES.

- Cucumber, Early White Spine.** An excellent variety for table; very pretty and a great bearer; a favorite with market growers; pound 75 cents; ounce 10 cents; (see fig. 1) 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; (see fig. 3) 5
- Improved Long Green.** A very fine long fruit of excellent quality; pound 75 cents; ounce 10 cents; (see fig. 2) 5
- Cool and Crisp.** One of the very earliest and most prolific of the pickling sorts, equally as good for slicing, dark green in color, good size, exceedingly crisp and tender. Per lb. 75 cents; per oz. 10 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. Though not very productive, 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 a packet of this seed. 10
- Extra Early Long Green.** This new strain of Long Green is quite desirable for the market gardener. Pound \$1.00; ounce 15 cents 10



is claimed to be as early as the White Spine. The earliness combined with size makes it quite desirable for the market gardener. Pound \$1.00; ounce 15 cents 10

Green Prolific. One of the best of the pickling sorts; very prolific; pound 60c.; ounce 10c. 5

OTHER STANDARD VARIETIES.

- Parisian Pickling, White Pearl, White Wonder, Giant Pera, Japanese Climbing.
- Per pound, 75 cents; ounce, 10 cents; packet, 5 cents.
- Early Russian, Early Green Cluster, Early Frame, Boston Pickling, Cleveland Pickling, Thorburn's Everbearing, Nichols Medium Green.
- Per pound, 60 cents; ounce, 10 cents; packet, 5 cents.

FOREIGN VARIETIES.

- Cucumber, Long Green Southgate.** A fine, old, hardy, English sort; per ounce 25 cents 10
- Chinese Long Green.** Long, productive, and hardy 15
- Giant of Arnstadt.** One of the finest; two feet long, very productive 20
- Noa's Forcing.** A most productive sort, thirty to thirty-six inches long 20
- Berlin Ecl.** Long, thick, green variety, 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 25

CORN SALAD.

Uersalat.

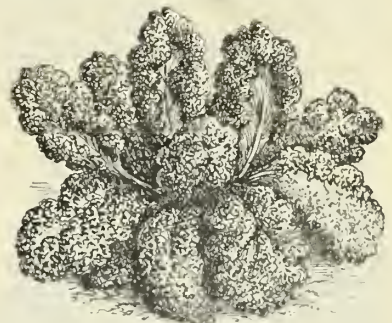


A favorite salad plant in Europe. Sown in August, and protected with a few leaves during winter, it can be gathered very early in spring. Sown in April, it is soon fit for use. The leaves are sometimes boiled and served as Spinach.

Corn Salad, per lb. 65 cts.; oz. 10 cents 5

BORECOLE, OR KALE.

Strausfohl.



The Kales are more hardy than the Cabbage, and will endure considerable frost without injury. When cut frozen, they are 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, \$1.00; per ounce, 10 cents 5

Dwarf Purple Kale, like Scotch Kale, except in color, but more hardy; per lb. \$1.00; per oz. 10 cents 5

Tall Green Curled Scotch, finely curled; very hardy; one of the best; per lb. \$1.00; per oz. 10 cents 5

BRUSSELS SPROUTS.

The culture for 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; per ounce 15 cents; per packet 5 cents.

We pack so carefully that all

Goods will arrive in perfect order

SEEDS

CABBAGE.

Straw.

The Cabbage requires a deep, rich soil, and thorough working. For early use the plants should be started in a hot-bed or cold-frame; but seed for winter Cabbage should be sown in a seed-bed, early in the spring. Some of the large late varieties seem to do best if the seeds are sown in the hills where they are to remain, and in that case sow two or three seeds where each plant is desired and then pull up all but the strongest. 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. Some gardeners grow plants for early summer Cabbage in a frame in autumn. Insects have been exceedingly troublesome to Cabbage in many sections of late years. Growers must try for a rapid growth and wage a constant warfare against the enemy. See advertisement of Vick's Exterminator.



IMPROVED EARLY SUMMER.



FOTTLER'S IMPROVED BRUNSWICK.

Cabbage, Extra Early Etampes, a very early sort, producing medium sized heads, very sharply pointed; per lb. \$2.00; oz. 20 cents 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; 1/2 oz. 15 cents 5

Improved Early Summer. A popular sort with the Long Island market gardeners. It follows 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. \$2.00; oz. 20 cents 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. \$2.25 oz. 25 cents; 1/2 oz. 15 cents 5

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. \$1.50; oz. 20 cents 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. \$2.00; oz. 20 cents 5

Improved Danish Ballhead Winter. The favorite Cabbage of Denmark, and shipped in immense quantities to London and other large cities, where it commands a high price. In season about the same time as Fottler's Brunswick; heads globular in shape, of medium size and remarkably hard and heavy. Our sales of this Cabbage for the past two seasons exhausted our stock long before the season for selling was over. We contracted largely for this season's crop in Denmark, and now believe we have sufficient for all demands, yet we would advise our friends to order early. Per lb. \$3.00; oz. 30 cents; 1/2 oz. 20 cents 5

Louisville Drumhead. A variety grown largely by market gardeners in the Southwest; it stands hot weather better than most other sorts, and is a sure cropper; resembles Premium Flat Dutch; per lb. \$2.00; oz. 20 cents 5
 Selected Premium Late Flat Dutch, heads well and keeps over finely; per lb. \$2.00; oz. 20 cents; 1/2 oz. 15 cents 5

Large Late Flat Dutch, good for fall or winter crop, resembling the Drumhead; per lb. \$1.50; oz. 15 cents 1/2 oz. 10 cents 5

Perfection Drumhead Savoy, this is 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. \$2.00; oz. 20 cts 5



ALL SEASONS.

Cabbage, Early Blood Red, early variety; will make fine winter Cabbage if sown quite late in open ground; per lb. \$2.00; oz. 20 cents 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. \$2.50; oz. 25 cents; 1/2 oz. 15 cents 5

OTHER STANDARD VARIETIES OF CABBAGE

- Henderson's Succession.
- Newark Early Flat Dutch.
- Large Late Drumhead.
- The Lupton.
- Warren Stone Mason.
- All Head Early.
- Dwarf Green Curled Savoy.
- Charleston Wakefield.
- Autumn King or World Beater.

Each \$2 per pound; 20 cents per ounce; 15 cents per half ounce; 5 cents per packet.

COLLARDS.

Collards.

Collards, well known and prized at the south, and nicely adapted, to the Southern climate; per lb. \$1.00; oz. 10 cents 5



LOUISVILLE DRUMHEAD.



EARLY WAKEFIELD.

In making up your order for vegetable seeds don't fail to look at our dozen packets of Sweet Peas in Novelty pages.

CAULIFLOWER.

Blumenkohl.

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. A moist atmosphere and a rich soil suit the Cauliflower, and we must try to secure this as well as we can. In a dry time Cauliflower plants must be watered. Any person who has good deep muck, partially drained, we think, can raise good Cauliflower with little trouble.

Cauliflower, Vick's Ideal. This variety, introduced a few years since as superior to any other variety for *reliability of heading and size and solidity of heads*, has, by innumerable trials in all parts of the country, established the claims then made for it, and stands today as the leading variety for market and for private use. The plants are very dwarf, and while the outer leaves are erect the inner ones lap over the heads so as to fully shade them from the sun, preserving them a beautiful snowy white. The plants can be set closely, and they grow and mature rapidly under favorable conditions. Also shown in novelty page.

Per oz. \$6.00; per half oz. \$3.00; per quarter oz. \$1.75 35

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; per half oz. \$1.50; per quarter oz. 85 cents 20

Erfurt Earliest Dwarf, low, with pure white curd; one of the best and surest to head. Per oz. \$3.00; per half oz. \$1.50; per quarter oz. 85 cents 20

OTHER STANDARD VARIETIES.

Cauliflower, Early Paris, per oz. 60 cents; per ¼ oz. 20 cents 5
Italian Giant per oz. 60 cents; per ¼ oz. 20 cents 5
Algiers, per oz. 60 cents; per ¼ oz. 20 cents 5
Lenormand's Short Stemmed, per oz. 60 cents; per ¼ oz. 20 cents 5



IDEAL CAULIFLOWER.

CHICORY.

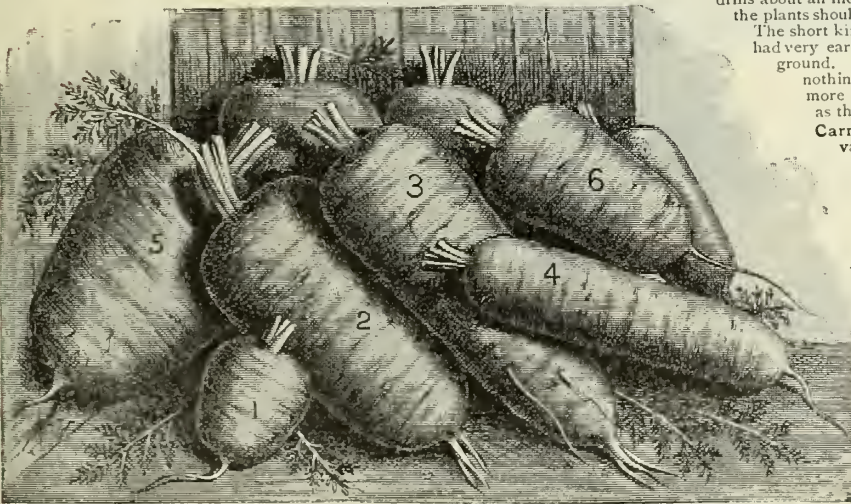
Cichorie.

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 branching, when it is used as a salad. The principal use of Chicory, however, is as a substitute for Coffee. The roots are cut and dried, and then roasted for adulteration with coffee. An ounce of seed will sow about 100 feet of drill, and from two to three pounds an acre.

Chicory, Large Rooted Long Magdeburg, per pound 80 cents; per ounce 10 cents 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. Almost a globe shaped root of an orange red color and small top. Per lb. 80 cents; per oz. 10 cents 5

Early Short-Horn, small; fine for table use; per lb. 80 cents; per oz. 10c. (Fig. 6) 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. Tested in our grounds, it yielded a greater bulk than any other variety, and was particularly noticeable for its smoothness and regularity of surface. Per lb. 80c.; per oz. 10 cents; (fig. 2) 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; per lb. 80c.; oz. 10 cents. (Fig. 5) 5

Carrot, Half-Long Scarlet Stump-Rooted, larger than Short Horn, and a desirable table variety. Per lb. \$80; per oz. 10c.; (fig. 4) 5
Carrot, Improved Long Orange, the old standard variety. Per lb. 80 cents; per oz. 10 cents; per packet 5 cents.

Danvers Orange, a first-class half-long variety; flesh dark orange; very productive. Per lb. 80c.; per oz. 10 cents; (fig. 3) 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; 5 cents per packet.

SEEDS

SWEET CORN.

Süß Korn.

Below we give the earliest, medium and latest varieties of Sweet Corn. The engravings show different varieties, both as to form and comparative size, as nearly, perhaps, as it is possible to do so in engravings of this character. 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 possible pains to secure very choice Sweet Corn.

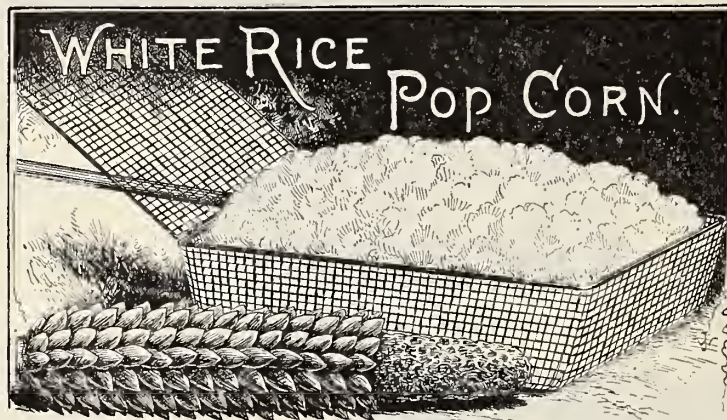
- Corn, Vick's Earliest of All.** This is in fact the "earliest of all;" very excellent, tender and sweet. Introduced in 1893, it pleased the limited number who were able to get it. Similar in appearance to the Cory, but is superior in quality, ripening a week to ten days before the Cory; (see illustration;) pint 30c.; quart 50c. 15
- Extra Early Cory.** This is a well known Extra Early sort, and in general appearance closely resembles 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; pint 20c.; quart 35c. 10
- Extra Early Cory, White Cob.** Same as Red Cob Cory, except cob is white; pint 20c.; quart 35c. 10
- Early Minnesota.** One of the best very early sweet varieties we have ever tried. Plant rather dwarf, ears fine for so early a variety and of good quality; pint 20c.; quart 35c. 10
- Russell's Prolific.** A very superior early variety, the sweetest of the very early sorts. Ears eight to ten inches in length; pint 20c.; quart 35c. 10
- Crosby's Early.** A most excellent variety, remarkably early and of best flavor. Ears of medium size; twelve or more rowed, grains sweet and thick. Largely grown for canning purposes; pint 20c., quart 35c. 10
- Perry's Hybrid Sugar.** The largest Early Sweet Corn that we have ever seen. Ears ready for use a few days later than the Early Cory, and before the Minnesota, but of double the size of either of these varieties, the ears being twelve-rowed and sometimes fourteen. The kernels are large and tender, and deliciously sweet; stalks of great vigor, growing about six feet high, with two perfect ears to a stalk; (see illustration;) pint 20c.; quart 35c. 10



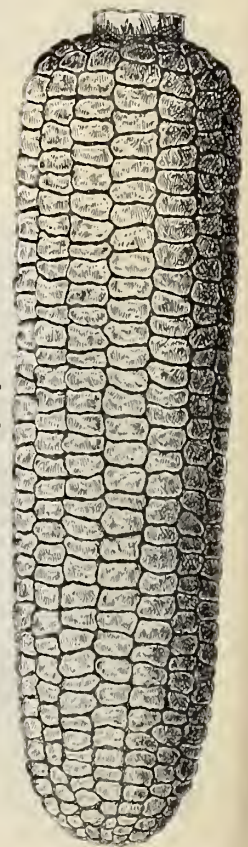
COUNTRY GENTLEMAN.



VICK'S EARLIEST OF ALL.



PERRY'S HYBRID SUGAR.



STOWELL'S EVERGREEN.

- Country Gentleman.** This new Sweet Corn is a remarkably satisfactory and delicious corn for family use. Its long, small, milky kernels are full of sweetness, and as the cob is small, and the corn white and tender, it is sure to please. This variety is the highest attainment yet achieved in the cultivation and improvement of Sweet Corn. The ears from which we offer seed are good-sized and produced in great abundance, many stalks bearing four plump ears. (See illustration.) Pint 25c.; quart 40c. 10
- Stowell's Evergreen.** Late; very select and pure; excellent variety, remaining in green state longer than any other kind; (see illustration;) pint 20c.; quart 35c. 10

OTHER STANDARD VARIETIES.

- Egyptian, or Washington Market.
- Mammoth Late Sugar.
- Early Eight-Rowed Sugar
- Hickok's Improved.
- Extra Early Adams.
- Black Mexican.
- Moore's Early Concord.
- Excelsior.

Each 20 cents per pint; 35 cents per quart; 10 cents per package.
See FIELD CORN. Page 103.

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; per pint, 20 cents 10

IMPORTANT.--At these prices we pay the postage or express charges, except where noted.

CELERY.

Cellerie.

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 the plants are moistened with dew.

To preserve Celery for winter, dig trenches a foot in width and as deep as the tops of the plants. Stand the 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. 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. 35 cents; 1/2 oz. 20 cents 10

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. \$2.00; oz. 20 cents 5



DWARF GOLDEN HEART.



PARIS GOLDEN SELF-BLANCHING.

- Celery, Dwarf Golden Heart.** Half Dwarf; silvery white with waxy, golden yellow heart; perfectly solid, of excellent flavor and a good keeper; per lb. \$2.00; oz. 20 cents 5
- New Rose.** The red Celeries are hardier 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. \$2.00; oz. 20 cents 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. \$2.00; oz. 20 cents 5
- Turnip-Rooted (Celeriac)** forming turnip-shaped bulbs, of Celery flavor; per lb. \$1.75; oz. 20 cents 5

OTHER STANDARD VARIETIES.

- Perfection Heartwell, Laing's Mammoth Red,
Henderson's Dwarf White, Crawford's Half Dwarf,
Pink Plume, Boston Market.

Each \$2.00 per lb.; 20 cents per oz.; 5 cents per packet.

Old seeds for flavoring, excellent, 40 cents per pound; 10 cents per ounce.

These prices prepay the goods to your home, except when noted.

CRESS.

Kresse.

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 do very soon, as it is of very quick growth.

- Cress, Fine Curled, superior; will bear cutting several times; per lb. 50 cents; oz. 10 cents 5
- Broad-Leaved Garden, sometimes used for soups; per lb. 50 cents; oz. 10 cents 5
- Australian, leaves delicate green, flavor mild and fine; per lb. 80 cents; oz. 10 cents 5
- Water, does pretty 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 10

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

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 5
- Green Curled, lb. \$1.50; oz. 15 cents 5
- White Curled, lb. \$1.60; oz. 20 cents 5

- Batavian, pound \$1.50; ounce 15 cents 5

EGG PLANT.

Eierpflanze.

A tender plant requiring starting in the hot-bed pretty early to mature its fruit in the northern states. The seed may be sown with Tomato seed; but more care is necessary at transplanting to prevent the plants being chilled by the change. Those who have no hot-beds 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, eight or nine inches long; productive; pound \$1.75; ounce 20 cents 5
- Round Purple, medium size; lb. \$2.50, ounce 25 cents 5
- Improved New York Purple, spineless, very large and fine, the best; pound \$3.50; ounce 35 cents; half ounce 20 cents 10
- Black Pekin, ounce 35 cents; half ounce 20 cents 10

GHERKIN.

Güggurke.



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 5

GARLIC.

Knoblauch.

The Garlic is the most pungent of all the Onion family. It is much used in the south of Europe. The roots or bulb is composed of many small bulbs, and called "cloves," which are planted in the spring six or eight inches apart, and 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

HORSE RADISH.

Meerrettig.

The best way to grow Horse Radish is from the little roots four or five inches in length, and not from the crowns. These small roots will produce good Radish fit for use in one season's growth. Plant the 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. A dozen roots will give all that will be needed for family use for a life time, for it constantly increases and the danger is that it will spread too fast and become troublesome. It is best, therefore, to plant it in some corner of the garden where it can grow without injuring anything.

- 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, as seen in the engraving. It is cooked like the Turnip, and is highly prized for stock in Europe, as a substitute for Turnips. It will bear drought better, and therefore a crop is more certain.

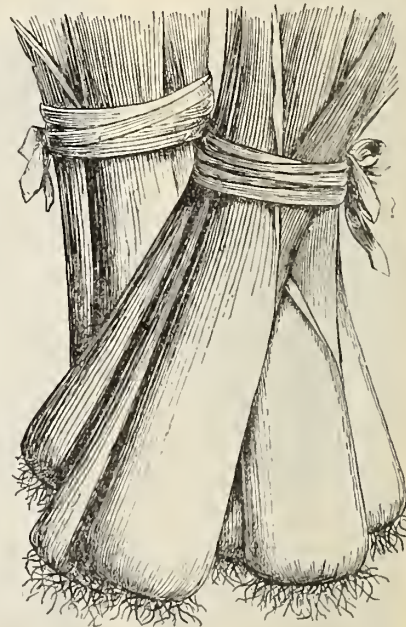
- Kohl Rabi, Early White Vienna, delicate, much prized for forcing; pound \$2.00; ounce 20 cents 5
- Early Purple Vienna, another forcing variety, similar to above except in color; pound \$2.00; ounce 20 cents 5
- Large Early White or Green, fine and tender for table; pound \$2.00; ounce 20 cents 5

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. 10 cents 5
- Musselburg, per lb. \$1.75; oz 15 cents 5



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

All goods listed in this Catalogue delivered free of postage or express charges, except when noted.

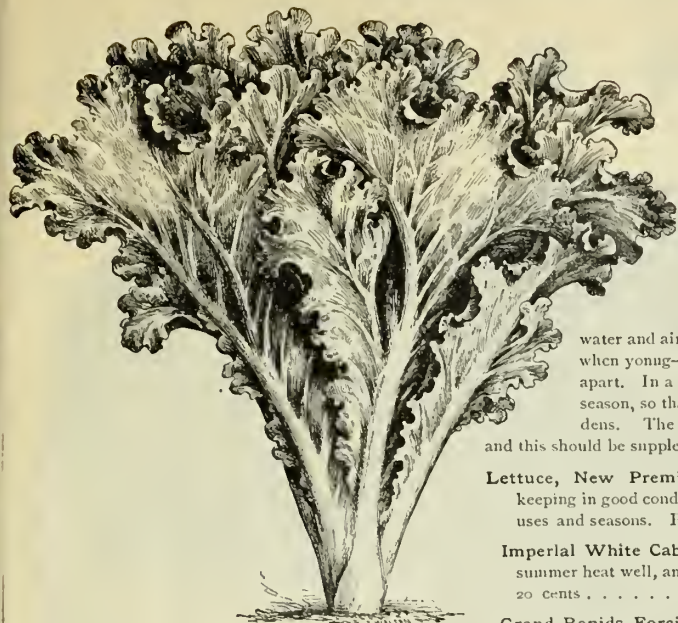
SEEDS

LETTUCE.

Soys Galat.

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 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.



GRAND RAPIDS FORCING.

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 5

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. \$1.50; oz. 20 cents 5

Grand Rapids Forcing. Quite as good for outdoor culture as other varieties. Large, beautiful leaves, more crisp and tender than any variety known. From all parts of the country come

Lettuce, Prize Head, is very large; stained with red; outer leaves curled; very crisp and tender; slow in running to seed. Per lb. \$1.25; oz. 15 cents 5

Early Hanson, heads very large, solid, tender, crisp; flavor fine; stands summer heat well; one of the best sorts; per lb. \$1.00; oz. 15c. 5

Hardy Green Winter. An excellent winter variety imported from Germany. Per lb. \$1.50; ounce 20 cents 5

Paris White Cos, one of the best of the Cos varieties. Per lb. \$1.25; oz. 15 cents 5

**Buttercup,
Denver Market,
Early Egg,
Hubbard Market,
Large Boston.**

Each \$1.25 per lb.
Per oz. 15 cents.
Per packet, 5 cents



CURLED LETTUCE.

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. Buyers call for it and wish no other. An omelet large enough for six persons can be served upon a leaf (making an exquisitely dainty breakfast dish). We offer it this season, being positive it is the best Forcing Lettuce known. To insure quick growth use plenty of water; set plants about six inches apart. The best results are obtained by planting in a compost of nearly one-half rotten manure, the rest new good loam. The soil cannot well be too rich. Per lb., \$2.00; oz. 20 cents; 1/2 oz. 15 cents 5

We grow our Seed from the originator's own stock, which is a distinct variety, and far superior to the cheap California seed offered by many seedsmen.

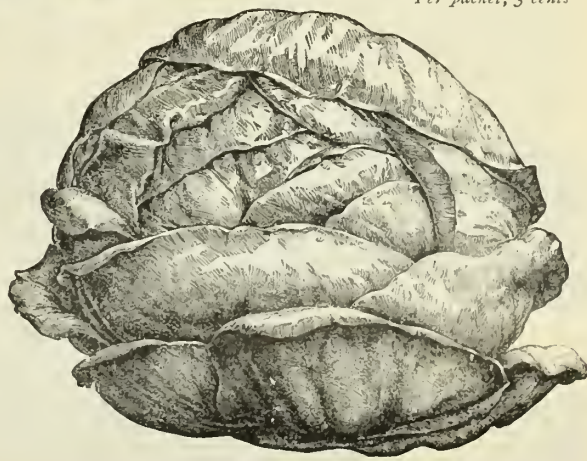
Lettuce, Early Tennis Ball, or Boston, one of the earliest and best heading varieties. Per lb. \$1.00; oz. 15 cents 5

Early Curled Simpson, an improvement on the curled Silesian; very early; fine for forcing. Per lb. \$1.00; ounce 10 cents 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 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 \$1.65; oz. 20 cents 10

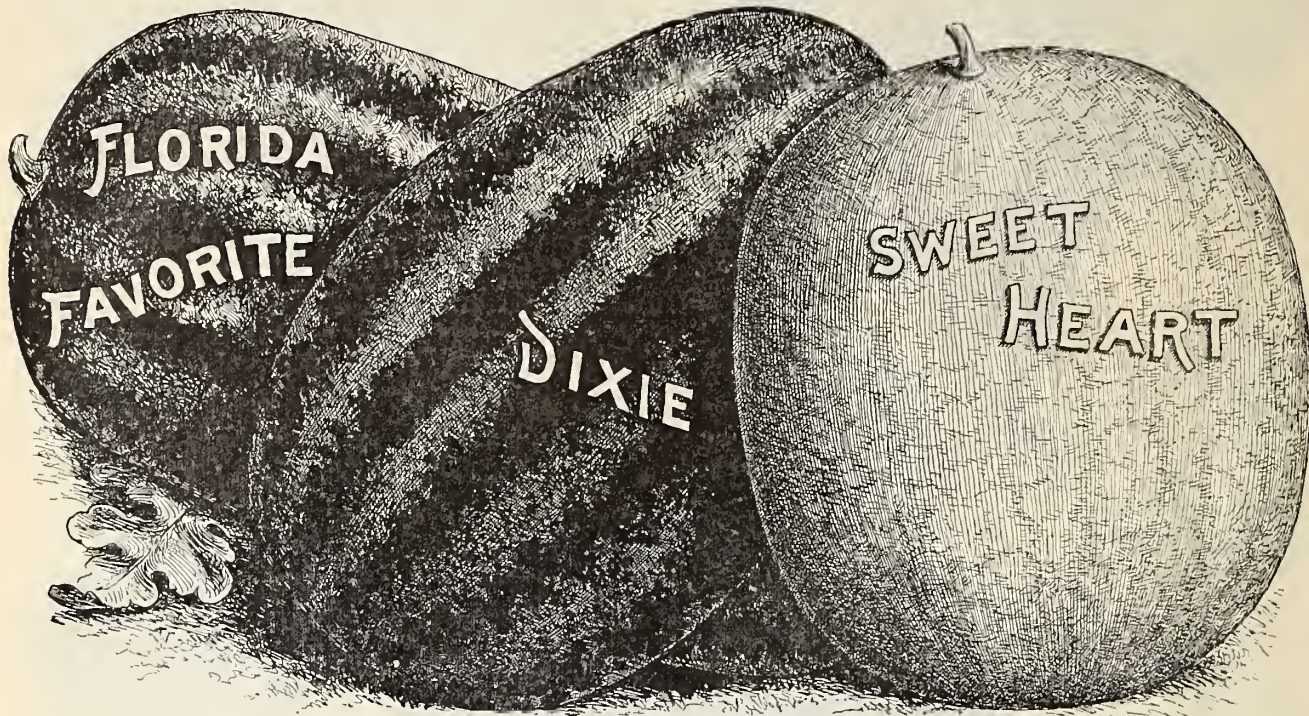
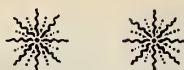
Thick-leaved Yellow. A grand variety, producing very large heads, almost as solid as cabbage. Leaves slightly crimped, of a beautiful greenish-yellow. For tenderness it is unsurpassed. As a long standing sort it stands at the head. Pound \$1.50; oz. 20 cents 10



IMPERIAL WHITE CABBAGE LETTUCE.

SEEDS

MELONS



WATER MELON. *Wasser-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 take 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. Cultivate same as Musk Melon; hills 8 to 10 feet apart.

- | | | | |
|---|---|---|---|
| Water Melon, 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 60 cents; ounce 10 cents | 5 | Water Melon, Vick's Early , oblong, smooth, rather small, flesh bright pink, solid, sweet, and the earliest melon known; per lb. 80 cts; oz. 10 cts. | 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 75 cents; ounce 10 cents | 5 | Sweet Heart . A new variety of largest size, a little longer than thick, being nearly globular in shape, skin a bright beautiful mottled green. Flesh bright red, firm and heavy but crisp, melting and exceedingly sweet. Sweet Heart is not only a good keeper but it improves in quality for a long time after ripening. Per lb, 75 cents; ounce 10 cents | 5 |
| The New Dixie , compared with Kolb's Gem, is larger, earlier, more productive, and a much 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 80 cents; ounce 10 cents | 5 | Seminole . An extra early variety of large size and most delicious flavor. Flesh a vivid crimson color, crisp and sugary, oblong in shape and exceedingly productive. Per lb. 60 cents; per oz. 10 cents | 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 60c.; ounce 10c. | 5 | Pride of Georgia . A dark green skin, oval in shape, large in size, Flesh deep red, crisp and sweet, a splendid shipping melon. Per lb. 60 cents; per ounce. 10 cents | 5 |
| Prize Jumbo . It is claimed that in this variety the acme of perfection has been reached. The melons grow to an immense size, from 40 to 60 pounds is a common weight, while many have attained the enormous weight of 80 lbs. Round in shape, color green with faint light stripes; flesh deep red, sweet and delicious; good shipping Melon; per pound 75 cents; ounce 10 cents. | 5 | Citron , for preserves; flesh white, solid; per pound 60 cts.; ounce 10 cts. | 5 |
| Jordan's Gray Monarch . A distinct variety and one of the largest oblong, rind a mottled gray, flesh deep red and delicious flavor; per pound 60 cents; ounce 10 cents | 5 | | |
| Ice Cream, or Peerless , is a first-class melon; flesh pink, sweet and melting; white seed; per pound 60 cents; ounce 10 cents | 5 | | |

OTHER STANDARD VARIETIES.

Black Spanish.	Fordhook.	Mountain Sweet.
Cole's Early.	Georgia Rattlesnake.	Orange.
Colorado Preserving.	Green and Gold.	Phinney's Early.
Cuban Queen.	Hungarian Honey.	Scaly Bark.
Dark Icing.	Jones.	The Boss.
Delaware.	Mountain Sprout.	Volga.
	White Gem.	

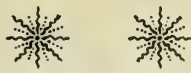
Each 60 cents per pound; 10 cents per ounce; 5 cents per packet.

MUSK-MELONS.

Muskat-Melonen.

The melon, being of tropical origin, reaches perfection only in a warm temperature. In this latitude we must give the Melon every possible advantage to secure earliness and thorough ripening. The same culture as recommended for Cucumbers will insure success. It is desirable also for the north to secure early ripening varieties. There are two distinct species of Melons—the Musk and the Water Melons. The former is the most easily grown, though, with a selection of early sorts and a little attention to forwarding the young plants early in the season, a good crop of either can be secured almost anywhere. 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.

SEEDS



MELONS



EXTRA EARLY HACKENSACK.

EMERALD GEM.

GRAND RAPIDS EARLY MARKET.

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. 15 cents.

Vick's Irondequoit. New. This variety still leads in all respects among the many kinds of Melon cultivated. The better it is known the more popular it becomes, and the results of this season's culture have widely extended its fame. 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. 15 cents.

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.

Grand Rapids Early Market. Claimed to be the earliest Musk Melon in the market and a large one at that. The flesh is a pure yellow color to the rind, of delicious flavor, skin finely netted, a vigorous grower, and crop ripens uniformly. Stands long distance shipping. Per lb. 80 cents; oz. 10 cents.

Jenny Lind, an early variety; small, but of excellent flavor; per lb. 75 cents; oz. 10 cents.

Emerald Gem, new, small, extra early; skin dark green, smooth; flesh orange and of delicious flavor. Per lb. 60 cents; oz. 10 cents.

Miller's Cream, or Osage, a cross between Sill's Hybrid and Cassaba; flesh salmon in color, very thick, sweet, rich and melting. A strong grower and very productive. Per lb. 60 cents; oz. 10 cents.

Musk Melon, Extra Early Hackensack, a new strain of the well-known Hackensack melon, but at least ten days earlier. The Melons weigh from four to ten pounds each; they are heavily netted, and have light green flesh; per lb. 60 cents; oz. 10 cents.

Champion Market, shape almost round, deeply ribbed; skin heavily netted; flesh light green, rich and sweet; an excellent shipping variety. Per lb. 60 cents; oz. 10 cents.

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.

OTHER STANDARD VARIETIES.

- | | | |
|--|-------------------------|--------------|
| Green Citron, | Large Hackensack, | Surprise, |
| Bird Cataloupe, | Early Christiana, | White Japan, |
| Skillman's Fine, Netted, | Casaba, or Persian, | Bay View, |
| Delmonico, | Princess, | Tip Top, |
| Melrose, | Jersey Belle, | Banquet, |
| Columbus, Improved Large Green Nutmeg, | Long Yellow Cantaloupe. | |
- Each 60 cents per lb.; 10 cents per oz.; 5 cents per package.

MUSTARD.

Mustard being very hardy, seed can be sown as soon as the soil is free from frost. Sow in shallow drills, and cut when a few inches in height. It grows rapidly, and several sowings may be made. The young Mustard 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. **Black,** per lb. 30 cents; ½ lb. 20 cents; ¼ lb. 15 cents; oz. 10 cents. **Giant Southern Curled,** per lb. \$1.00; oz. 10 cents.

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. Mushroom growing depends much on proper and uniform temperature, moisture and other conditions; 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 two feet by six.

Mushroom Spawn, English, One pound, by mail, 25 cts.; Eight pounds, by express, not paid, \$1.00.
French, per lb., by mail, 50 cts.; 2 lbs. 80c.



ONIONS.

The American Onion seed we offer is all of our own growing, every Onion examined before planting, and we believe it to be the purest and best in the world. Any one who plants 100 seeds and gives them good care may not only reasonably expect 80 good plants, but 90 good, sound, round Onions, unless they are sown so thick as to make it necessary to remove a part of them. The Onion must have a clean and very rich soil. Use well rotted manure freely, and be sure and get the seed in as early as possible in the spring, no matter if it is ever so cold and unpleasant; for, if Onions do not get a good growth before hot, dry weather, the crop is sure to be a failure. Thin out early, and keep the soil mellow and clear of weeds. Sow in shallow drills, not less than a foot apart, and thin out when the young plants are about the size of quills. In doing this disturb those that remain as little as possible. 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 usually 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 where others fail. It is an excellent variety and a good keeper. The NEW ITALIAN ONIONS, of which there are several admirable varieties, are of a sweet, mild flavor, and grow very large, often from one to four pounds. They do well at the South. 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

grown in California. It stands at the head and is the finest and best in the world without exception, when uniformity in shape and beauty of bulbs is considered.

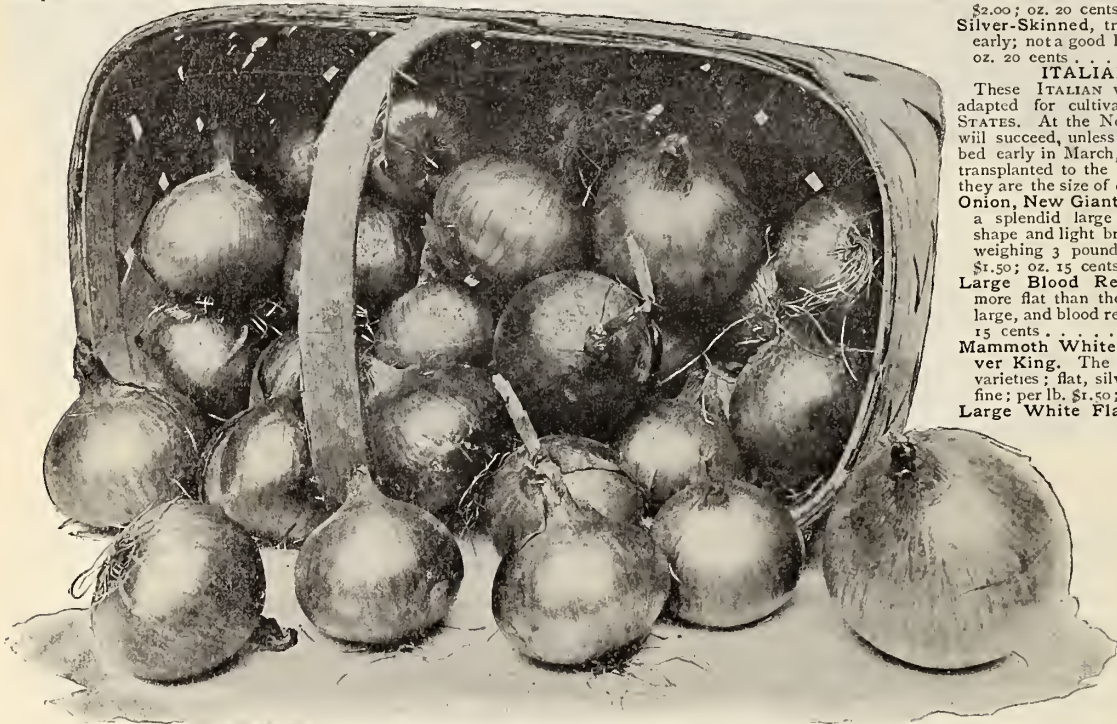
Per lb. \$1.00; oz. 15c; pkt. 5c.
 "Vick's Pacific Grown Strain." While we cannot endorse it so highly and confidently as the home grown, still its vitality is first-class and is the same stock as offered by most of the leading seedsmen.

- Note the exceedingly low price; lb. 75 cents; oz. 10 cents.*
- Onion, Large Yellow, a fine, large, flat Onion; forms bulbs readily; per lb. \$1.00; oz. 10 cents 5
 - 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; per oz. 15 cents 5
 - Wethersfield Red, one of the best varieties for a general crop; of good size; red, flattish, productive, and a good keeper; lb. \$1.10; oz. 10 cts. 5
 - Early 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. \$1.25; per oz. 15 cents 5
 - Extra Early Flat Red, earliest of all American varieties, good keeper; per lb. \$1.00; oz. 10 cents 5
 - White Globe, a large, white Onion, as large as Danvers Yellow; per lb. \$2.00; oz. 20 cents 5
 - Silver-Skinned, true, white; delicate; early; not a good keeper; per lb. \$2.00; oz. 20 cents 5

ITALIAN ONIONS.

These ITALIAN varieties are especially adapted for cultivation in the SOUTHERN STATES. At the North, only the early sorts will succeed, unless seed is sown in a hot bed early in March, and the young Onions transplanted to the open ground as soon as they are the size of quills.

- Onion, New Giant Rocca, of Naples, a splendid large Onion, of globular shape and light brown skin, sometimes weighing 3 pounds or more; per lb. \$1.50; oz. 15 cents 5
- Large Blood Red Italian Tripoli, more flat than the preceding, quite as large, and blood red; per lb. \$1.50; oz. 15 cents 5
- Mammoth White Garganus, or Silver King. The largest of the Italian varieties; flat, silvery-white, mild and fine; per lb. \$1.50; oz. 20 cents 5
- Large White Flat Italian Tripoli, pure white skin, flat, mild flavor, and as large as Giant Rocca; per lb. \$1.50; oz. 15 cents 5
- Early Flat White Italian Tripoli, beautiful white skin; very mild, of rapid growth, early; per lb. \$1.50; oz. 15 cts. 5
- Marzajola, white, small very early, and a good keeper; lb. \$1.75; oz. 15 cents 5



DANVERS YELLOW GLOBE.—FROM VICK'S HOME-GROWN SEED.

when as large as Peas. Set out in the spring they very soon form large, good 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. These little bulbs are planted in the 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, where seed is produced in the common kinds. The small Onions are planted in the 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. The Onion is usually a very profitable and satisfactory crop, and it is only occasionally that the market is over-stocked and the price low. It is useless, however, to try to grow Onions on a poor unsuitable soil or in a careless manner. Three days of neglect when the weeds are growing rapidly will sometimes ruin a crop, and a week too late in sowing often makes the difference between a good and bad harvest. Manure for Onions should be well rotted, and placed on or near the surface. 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.

PROFITABLE AMERICAN VARIETIES.

The Onion is such an important crop to large growers, and the preparation of the soil and culture so expensive, and consequently a failure from bad seed or other causes is so disastrous, that long ago we determined to sell no seed except what we knew to be new, true and good. The Onion crop is usually exceedingly profitable, ranging from 300 to 500 bushels per acre, according to richness of soil, culture, etc. The price averages seldom less than fifty cents per bushel.

DANVERS 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, with much more care than that

- New Queen, white skin, fine flavor, very small; the earliest grown; per lb. \$1.50; oz. 15 cents 5

ONION SETS.

The prices of sets given below are based on the 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 price per quart 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
- At Quart prices we prepay postage. Bushel and Peck delivered at Freight or Express office.

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; grows rapidly, and very productive; bushel \$3.00; peck \$1.00; quart 25 cents.

OKRA. *Okra*

The Okra is a vigorous, large plant, requiring a good deal of room, and the large kind should be planted not less than three feet apart, and the dwarf about eighteen inches. In mild climates it is only necessary to sow the seed in the open ground, have the ground clean and mellow, as for a hill of corn.

- Okra, White Velvet, (White Creole). The pods of this variety are round and smooth, much larger than those of other sorts, and are produced in great profusion; per lb. 60 cents.; ounce 10 cents. 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 cents.; oz. 10 cts. 5

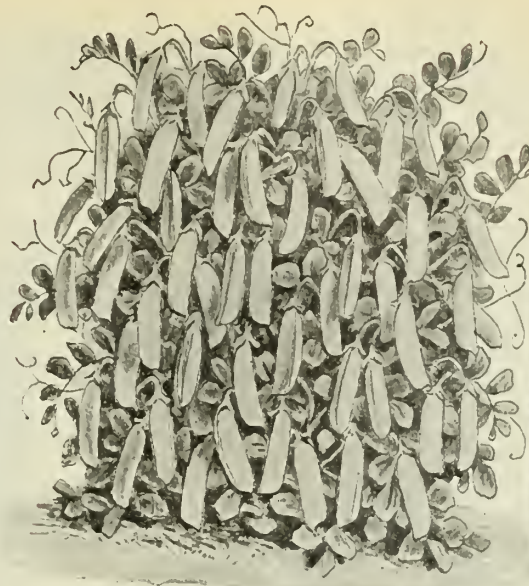
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Erbsen.

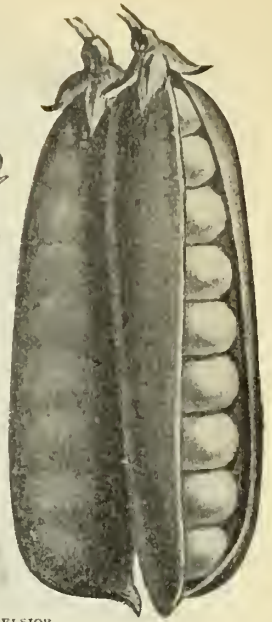
The Pea is very hardy, and will endure a great amount of cold, either in or above the ground; and as we all want "green peas" as soon as possible in the season, they should be put in as early as the soil can be got ready—the sooner the better. Of late years some very fine dwarf, sweet, wrinkled sorts, of very great merit, like American Wonder, and Premium Gem, have been added to this class. The late are large, mostly wrinkled, and formerly were nearly all tall, like the Champion of England, but very many excellent dwarfs have been added to the list. 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. The large, fine wrinkled varieties are not as hardy as the small sorts, and if planted very early, should have a dry soil, or they are liable to rot. It is well to sow the earliest Peas just 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.



NOTT'S EXCELSIOR.



Earliest.

- 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. Per pint, 25 cents; per quart 40 cents 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. Per pint 25 cents; per quart 40 cents 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, and comes before Champion of England. Per pint 25 cents; per quart 40 cents 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 from ten to twelve inches high, and of robust habit. Per pint 25 cents; per quart 40 cents 10
- King of the Dwarfs**. In season follows closely McLean's Little Gem, coming into market in the space intervening between the early and late varieties; the vines grow about two inches taller than the Little Gem; on careful comparison, both as to number of pods and peas in the pod, with all of the principal dwarf varieties, including the American Wonder, we find that the King of the Dwarfs outyields them all by 20 per cent., all planted at the same time, on the same soil, with equal cultivation. It is a cross be-

- tween American Wonder and McLean's Little Gem, and is the most promising of forty different seedlings; in flavor it is unsurpassed. Per pint 30 cents; per quart 50 cents 10
- Nott's Excelsior**. This is a new extra early dwarf wrinkled sort; the peas are superior in sweetness and quality; the vines are larger and more vigorous than American Wonder, twelve inches high and very prolific. Per pint 25 cents; per quart 40 cents 10
- Extra Early Premium Gem**. A great improvement over the McLean's Little Gem; a very fine dwarf variety, fifteen inches high. Per pint 25 cents; per quart 40 cents 10
- Horsford's Market Garden**. A wrinkled variety of superior quality, growing from fifteen to twenty inches in height, and very stocky; it requires no brushing; is extremely prolific, bearing its pods in pairs. Per pint 25 cents; per quart 40 cents 10
- McLean's Advancer**. A fine early market variety, exceedingly prolific, but well filled with pods of green wrinkled peas of fine flavor. It is also known in some localities as **Dwarf Champion**. Per pint 25 cents; per quart, 40 cents 10
- Heroine**. A medium early, green wrinkled Pea of recent introduction; large pods, fine quality, good cropper; 2½ feet high. Per pint 25 cents; per quart 40 cents 10

Later Crop.

- Peas, Champion of England**. An old standard variety, popular everywhere; one of the richest and best flavored Peas grown; five feet in height. Per pint 20 cents; per quart 35 cents 10
- Telephone**. A new wrinkled variety; a good cropper, bearing immense pods full of large Peas of exquisite flavor. Per pint 25 cents; per quart 40 cents 10
- Yorkshire Hero**, a very fine, large, dwarf wrinkled variety, of good quality and productive. Per pint 25 cents; per quart 40 cents 10
- Pride of the Market** is a strong grower, eighteen to twenty-four inches in height and immensely productive. Pods large and handsome, and the Peas of fine quality. Per pint 25 cents; per quart 40 cents 10
- Bliss' Abundance**, a new and remarkably productive variety; plant about eighteen inches in height; pods three inches long; peas large, wrinkled, and of superior quality. Per pint 25 cents; per quart 40 cents 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 of the plant, the peas should be planted about six inches apart. Per pint 25 cents; per quart 40 cents 10
- Melting Sugar**, an excellent variety of delicate flavor, four feet in height; edible pods. Per pint 25 cents; per quart 40 cents 10
- Stratagem**. A green wrinkled marrow, producing numerous pods of large size, of excellent quality and a superior variety. Per pint, 25 cents; per quart 40 cents 10
- Black-Eyed Marrowfat**. Large, well-filled pods, four feet tall. Per pint 20 cents; per quart 35 cents 10
- White Marrowfat**. Like the Black-Eyed Marrowfat, they are extensively grown as a field crop; five feet tall. Per pint 20 cents; per quart 35 cents 10



KING OF THE DWARFS.

SEEDS

PARSLEY.

Pteridifolia.

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 really 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. 5

Champion Moss Curled. Finely crimped and beautifully curled excellent for garnishing. Per lb. 80 cts.; oz. 10 cts. 5

Fern Leaved, a beautiful mossy variety. Per lb. 80 cents; oz. 10 cents 5

Giant Curled, very large growth; finely curled. Per lb. 80 cents; oz. 10 cents 5

Hamburg, or Turnip Rooted. The roots are used for flavoring soups. Per lb. 75 cts.; oz. 10 cts. 5

PEPPER.

Pfeffer.

Sow the seeds early under glass, or in the open ground in warm weather; transplant when three inches high.



SWEET MOUNTAIN, OR MAMMOTH PEPPER.

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. \$2.50; per ounce 25 cents; 1/2 ounce 15 cents 5

Golden Dawn, resembles the Large Bell in shape, but more delicate flavor; color a rich golden yellow; per lb. \$2.50; ounce 25 cents; 1/2 ounce 15 cents 5

Large Bell, or Bull Nose, very large—nearly four inches long and three inches in diameter; glossy red; per lb. \$2.50; oz. 25 cts.; 1/2 oz. 15 cts. . . 5

Sweet Mountain, or Mammoth, much like the Large Bell, perhaps a little larger; per lb. \$2.50; ounce 25 cents; 1/2 ounce 15 cents 5

Long Red Cayenne, beautiful and productive, four inches long, flesh thick and pungent; per lb. \$2.50; ounce 25 cents; 1/2 ounce 15 cents 5

OTHER STANDARD VARIETIES.

Monstrous, or Grossum, Red Chili, Long Yellow, Cherry-formed, Red Cluster,

Per lb. \$2.50; ounce 25 cents; 1-2 ounce 15 cent; ; packet 5 cents.

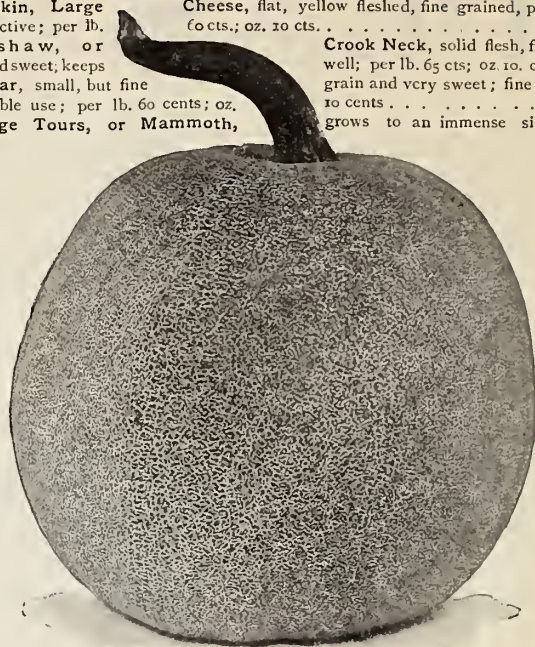
PUMPKINS. Kürbis.

Pumpkin, Large Cheese, flat, yellow fleshed, fine grained, productive; per lb. 60 cts.; oz. 20 cts. 5

Cushaw, or and sweet; keeps 5

Sugar, small, but fine table use; per lb. 60 cents; oz. 20 cts. 5

Large Tours, or Mammoth, grows to an immense size, 5



WINTER LUXURY.

often weighing over 100 pounds; per lb. 75 cts.; oz. 10 cents 5

Winter Luxury, This, without doubt, is the finest pie pumpkin yet introduced; we cannot recommend it too highly for 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. 15 cents 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. . . 5

Mammoth Red Etampes, skin brilliant glossy red, flesh deep orange, very thick; matures early. Per lb. \$1.00; oz. 10 cents 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 5

Connecticut Field, per lb. 35 cents; 1/4 lb. 15 cents; oz. 10 cents 5

OTHER STANDARD VARIETIES.
Calhoun, Quaker Pie, Dunkard.
Per lb. 60 cts.; oz. 10 cts.; pkt. 5 cts,



GOLDEN OBLONG.

PARSNIPS. Pastinake.

Sow Parsnips early in the 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 Guersney. Half long; roots do not grow so long as Hollow Crown; are larger in diameter and more easily gathered; smooth, fine grained, most excellent quality; per lb. 55 cents; oz. 10 cents 5

Long Hollow Crown, one of the very best parsnips grown, either for stock or the table; per lb. 50 cents; oz. 10 cents 5

RHUBARB. Rhabarber.

The Rhubarb, or Pie Plant, is grown from divisions 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 arc 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. \$1.50; ounce 20 cents 5

Linnæus, early and tender. Per lb. \$1.50; ounce 20 cents 5

Roots, per dozen; \$1.75; each 15 cents.



MR. RATHBUN AND HIS WONDERFUL BLACKBERRY.

SEE PAGES 26 AND 107.

SIXTEEN STANDARD FAVORITES FOR 50 CENTS.

THE LEADING FAMILY GARDEN VEGETABLES, REGULAR PRICE 95 CENTS.

This Collection is selected with care, the seeds are fresh and pure, same as our entire stock, always reliable and contain the germ of life.



Beans, Golden Wax	50.10
Beet, Edmands Blood Turnip	5
Cabbage, Succession	5
Carrot, Danver's Orange	5
Corn, Perry's hybrid	10
Cucumber, Green Prolific	5
Lettuce, Imp, White Cabbage	5
Musk Melon, Champion Market	5
Onion, Prize Taker	5
Parsnip, Hollow Crown	5
Peas, King of Dwarfs	10
Radish, Early Scarlet Turnip	5
Salsify, or Vegetable Oyster	5
Squash, Summer Crookneck	5
Tomato, Dwarf Champion	5
Water Melon, The Boss	5

50c. One Packet each above for only 50c.

\$0.95

...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, like the Turnip, 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.



VICK'S EARLY SCARLET GLOBE RADISH.

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. \$1.00; oz. 10 cents 10

Vick's All Seasons, new, 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 \$3.00; per oz. 30 cents 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. 75 cents; oz. 10 cts. 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. 75 cents; oz. 10 cents 5

Scarlet Turnip White Tip, (Forcing.) Very desirable for forcing and outdoor planting; tops and roots both small; skin bright scarlet; flesh very mild and crisp; per lb. 70 cents; oz. 10 cents 5

Rose, Olive-Shaped, oval; very tender and excellent; an inch and a half long; per lb. 60 cents; oz. 10 cents 5

Scarlet, Olive-Shaped, like the above, except in color; per lb. 60 cents; oz. 10 cents 5

White Olive-Shaped, like the other olive-shaped varieties in everything except color; per lb. 60 cents; oz. 10 cents 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 5

Radish, French Breakfast or Scarlet, Olive-Shaped White Tip, very tender and beautiful; per lb, 60 cents; oz. 10 cents 5

Wood's Early Frame. Similar to Long Scarlet, but shorter, earlier, and better adapted for forcing. Per lb, 60 cents; oz. 10 cents 5

Scarlet Turnip, round, about an inch in diameter; skin scarlet; flesh white; good; per lb. 60 cents; oz. 10 cents 5

White Turnip, similar to preceding, except in color, less pungent; few days later; per lb. 60 cents; oz. 10 cents 5

Yellow Turnip, similar to the above, except in color; per lb. 60 cents; oz. 10 cents 5

Long Scarlet Short Top, the favorite long market Radish everywhere; six or seven inches long; per lb. 60 cents; oz. 10 cents 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 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 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 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, and 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 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 5

Giant White Stuttgart, a popular variety, early, of quick growth. Both flesh and skin are pure snowy white and large in size; per lb. 75 cents; ounce 10 cents 5

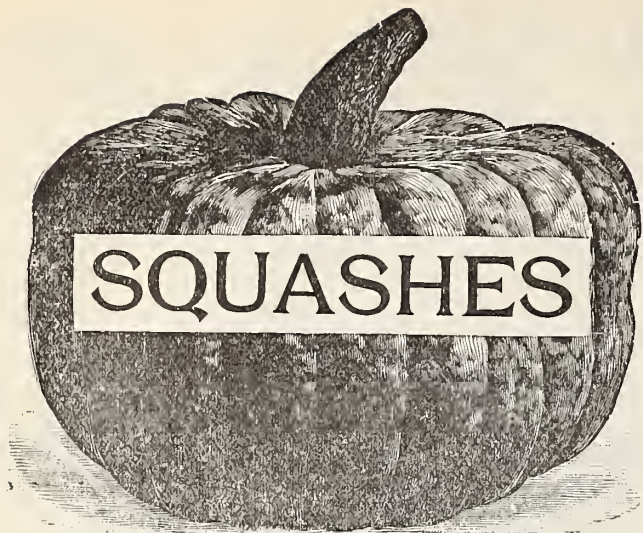
Chinese Rose Winter, sow in summer, same as Turnips; per lb. 75 cts.; oz. 10 cents 5

Black Spanish Winter, Round, per lb. 60 cents; ounce 10 cents 5

Black Spanish Winter, Long. Per lb. 60 cents; oz. 10 cents 5

Large White Spanish Winter, per lb. 75 cents; oz. 10 cents 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 80 cents; oz. 10 cents 5



SQUASHES

ESSEX HYBRID.
Essexfürbiße.

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. Our engravings show the Essex Hybrid, and also the Hubbard. All Winter Squash should be ripened thoroughly or they are watery and lack sweetness and richness, and will not keep through the winter.

- Squash, Early Bush Scallop, a good, early Summer Squash, taking but little room, and bearing abundantly; plant in hills three feet apart; white or yellow; per lb. 60 cents; oz. 10 cents 5
- Early Yellow Bush Crook-Necked, the richest Summer Squash; very early and productive; plant in hills four feet apart; per lb. 60 cents; oz. 10 cents 5
- Mammoth Summer Crook-Neck, double the size of the above; per lb. 75 cents; oz. 10 cents 5
- Hubbard, the standard Winter Squash, and a general favorite; no better variety grown; more generally cultivated as a late sort than any other; flesh fine grained, dry and of excellent flavor, almost as good as the Sweet Potato. Per lb. 60 cents; oz. 10 cents 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; very early, and of rapid growth; per lb. 60 cents; oz. 10 cents 5
- Green Mountain, a new winter variety from northern Vermont; the fruit is uniformly round, larger than Hubbard and has a beautiful netting of darker green instead of the warty appearance of that variety; flesh is a very deep orange red; cooks evenly, and best of all Squash for pies. In addition to all else it is wonderfully productive. Per lb. 80 cents; oz. 15 cents 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 cents; oz. 10 cents 5
- Improved Orange Marrow, a good, tender, rich variety, for fall and winter; per lb. 60 cents; oz. 10 cents 5
- Mammoth Chili, The largest of all the Squash, valuable both for stock feeding and the table; per lb. \$1.00; oz. 15 cents 10

OTHER STANDARD VARIETIES.

Perfect Gem, Marblehead, Faxon, Bay State, Winter Crook Neck, Golden Custard, Warted Hubbard. Improved Boston Marrow, Mammoth White Bush. Delicata, Fordhook, White Summer Crookneck.

Each 60 cents per lb.; 10 cents per oz.; 5 cents per packet.



SUMMER CROOK-NECK.



MAMMOTH CHILI.

SEA KALE. Meer Kohl.

Sea Kale in flavor is like asparagus, but better. The part eaten is the young shoots that appear in the spring, and they are not good until blanched. Sow in the spring, and plant out like Cabbage.

Sea Kale, per ounce 30 cents 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 cents; oz. 10 cents 5

Victoria. This new variety, but 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. 40c.; ¼ lb. 15c.; oz. 10c. 5

Round, or Summer, for spring sowing. Per lb. 35 cents; ¼ lb. 15 cents; oz. 10 cents 5

Round, Large-Leaved or Viroflay, large, round, thick leaves. Per lb. 35c.; ¼ lb. 15c.; oz. 10c. 5

Bloomsdale Savoy-Leaved, (Norfolk).

The 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 5

Prickly, or Fall, hardiest and best for fall sowing. Per lb. 35c.; ¼ lb. 15c.; oz. 10c. 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 5

SALSIFY.

Schwörwurzel.

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; it 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 5
- Mammoth Sandwich Island, a large and superior variety, pure white; per lb. \$1.25; oz. 15 cents 5
- Black, or Scorzonera, a black variety, with a somewhat bitter root; per lb. \$2.00; oz. 20 cents 5



SALSIFY.

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 coldframe will answer for the first transplanting. Pinching off a portion of the side branches, and stopping others just beyond where the fruit is formed, hastens the ripening. Very good plants can be grown in boxes in the house. 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.

Tomatoes, Early Leader. An early variety, producing its beautiful red fruit in heavy clusters. Per lb. \$2.50; oz. 25 cents 5

New Stone. Ripens for main crop; is very large, and a bright scarlet color; very smooth; ripening even to the stem without a crack; exceedingly solid and firm fleshed (as its name indicates); is 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.

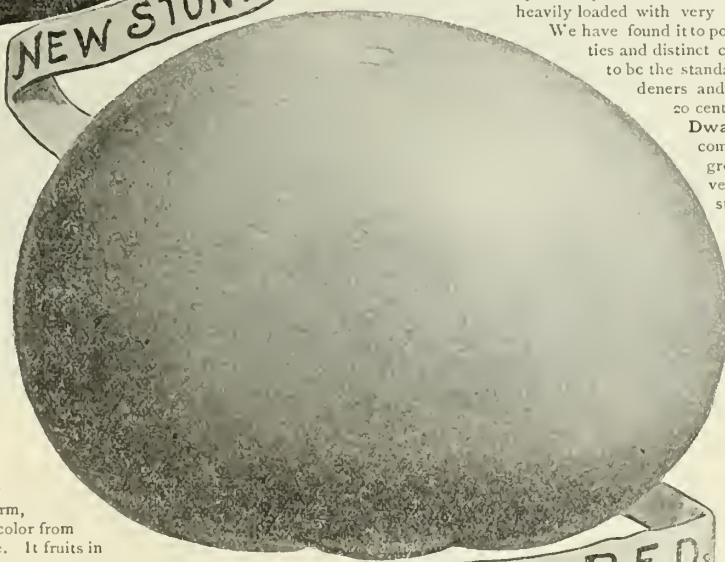
We have found it to possess several superior qualities and distinct characteristics. We believe it to be the standard Tomato for market gardeners and truckers. Per lb. \$2.00; oz. 20 cents; ½ oz. 15 cents; 5

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; per oz. 20 cents; ½ oz. 15 cents 5

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 cents; ½ oz. 15 cents 5



NEW STONE.



ROYAL RED.



ATLANTIC PRIZE.

Tomatoes, Dwarf Aristocrat.

This fine, new variety in habit of growth and foliage resembles the "Dwarf Champion" very much 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., is up to the present day standard of excellence. It is so smooth and round, and its delicate tinted coat so glossy that it is entitled to the name "Aristocrat." Per lb. \$2.50; oz. 25 cents; ½ oz. 15 cents 5

New Imperial.

This variety proves a valuable acquisition to our first early tomatoes. It is of fine form, very 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; ½ oz. 15 cents 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; per oz. 20 cents; ½ oz. 15 cents 5

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. \$2.00; oz. 20 cents; ½ oz. 15 cents 5

Keye's Prolific.

An extra early, extremely prolific variety, and one that is used quite extensively on the Pacific coast. Per lb. \$2.50; oz. 25 cents; ½ oz. 15 cents 5

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; ½ oz. 15 cents 5

Improved Acme.

A fine, solid, smooth, early variety, medium size, red, with a purplish tinge. It has become quite popular. Per lb. \$2.00; oz. 20 cents; ½ oz. 15 cents 5

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; ½ oz. 15 cents 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; ½ oz. 15 cents 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 cents; ½ oz. 15 cents 5

OTHER STANDARD VARIETIES.

- Fordhook First, Livingston's Perfection, Ignotum, Early Red Apple, Mikado, Matchless, Trophy, Tree Tomato, Pear-Shaped, Cherry Shaped (Yellow and Red), Plum-Shaped (Yellow), Peach, Strawberry, or Winter Cherry.

20 cents per oz.; 15 cents ½ oz.; 5 cents per packet.

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 by 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 this turnip.

OTHER STANDARD VARIETIES.

- Early White Flat Dutch,
- Yellow Globe,
- Long White Cow Horn,
- Pomeranian White Globe,
- Purple Top Yellow Aberdeen,
- White Norfolk, Seven Top.

Each 60 cents per pound; 10 cents per ounce; 5 cents per packet.



PURPLE-TOP GLOBE.



PURPLE-TOP STRAPLEAF.

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

RUTA BAGA, OR SWEDE TURNIPS.

Ruta Baga, or White Swede, a large, white, solid Swede, sometimes called White Russian; per lb. 50 cents; oz. 10 cents

- Turnip, Purple Top, Strap-Leaved, roundish, medium size, purple above ground, the most popular variety for early use, either for table or stock; per lb. 60 cents; oz. 10 cents 5
- White Top, Strap-Leaved, similar to above; a fine, early white sort; per lb. 60 cents; oz. 10 cents 5
- 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. Per lb. 60 c.; oz. 10 c. 5
- Extra Early Milan, new white variety, purple-top and strap-leaf; the earliest of all; remains in good condition a long time; per lb. \$1.00; oz. 10 c. 5
- Early White Six Weeks, or Snowball, very early and fine; per lb. 60 cents; ounce 10 cents 5
- 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; per lb. 60 cents ounce 10 cents 5
- Orange Jelly, a very beautiful yellow Turnip, one of the very best yellows for the table; per lb. 60 cents; ounce 10 cents 5
- 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 Per lb. 60 cents; ounce 10 cents 5

Vicks' Imperial Purple Top.
One of the best Purple-Top varieties grown: very hardy; per lb. 60 cents; ounce 10 cts. 5

OTHER STANDARD VARIETIES.

- Hall's Westbury,
 - Skirving's Liverpool,
 - Laing's Purple Top.
- Each 50 cents per pound; 10 cents per ounce; 5 cents per packet.

TOBACCO.

- Tobacco, Connecticut Seed Leaf. Per ounce, 25 cents 10
- Havana (or Cuban). Per oz. 30 cents 10
- Vuelta de Abajo. Per ounce, 50 cents 10



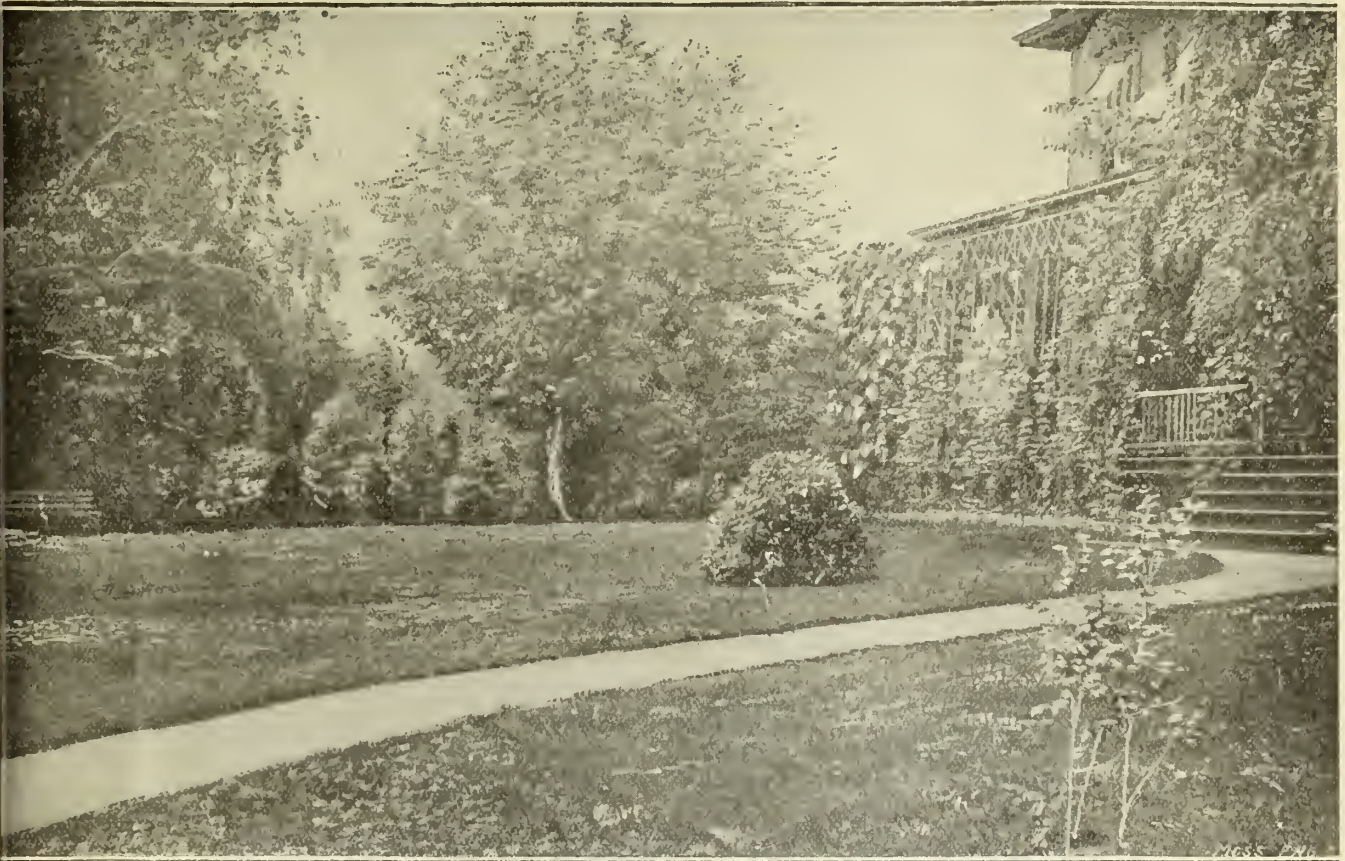
PURPLE-TOP SWEDE.

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:

- Anise, per lb., \$1.00; per ounce, 10 cents, 5
- Balm, per ounce, 30 cents 5
- Basil, Sweet, per ounce, 20 cents 5
- Bene, per ounce, 15 cents 5
- Borage, per ounce, 15 cents 5
- Caraway, per lb., 75 cents; per ounce, 10 cents 5
- Catnip, per ounce, 40 cents 5
- Coriander, per lb. 75 cents; per ounce, 10 cents 5
- Dandelion, per ounce, 25 cents 5
- Dill, per ounce, 10 cents 5
- Fennel, Large Sweet, per ounce, 10 cents 5
- Hoarhound, per ounce, 30 cents 5
- Hop Seed, per ounce, \$1.50 25
- Hyssop, per ounce, 20 cents 5
- Lavender, per ounce, 20 cents 5
- Marjoram, Sweet, per ounce, 20 cents 5
- Peppermint 25
- Rosemary, per ounce, 40 cents 5
- Rue, per ounce, 15 cents 5
- Saffron, per ounce, 15 cents 5
- Sage, per lb., \$1.50; per ounce, 15 cents 5
- Savory, Summer, per ounce, 15 cents 5
- Savory, Winter, per ounce, 20 cents 5
- Sorrel, French, per ounce, 15 cents 5
- Tansy, per ounce, 60 cents 10
- Tarragon, per ounce, \$2.00 20
- Thyme, Broad-Leaved English, per oz., 30 cts. 5
- Summer, per ounce, 30 cents 5
- Winter, per ounce, 30 cents 5
- Wormwood, per ounce, 30 cents 5
- Lavender, roots, by mail, per dozen, \$2.00; each 20
- Sage, roots, by mail per dozen, \$2.00; each 20

SEEDS



VIEW OF LAWN SOWN WITH VICK'S VELVET LAWN GRASS.

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 of this (per acre) 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. **At the price per bushel and peck we deliver to Express Company here or on board cars. No charge for bags or packing. 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 1/2 acre, 14520 square feet	1 1/2 bu. or 27 lbs.	For 1-12 acre, 3630 square feet	7 lbs.
" 1/2 " 21780 " " " " " " " " " "	2 " 40 "	" 1/6 " 7260 " " " " " " " "	14 "	" 1-16 " 2723 " " " " " " " "	1/4 bu. or 5 "
" 1/4 " 10890 " " " " " " " " " "	1 " 20 "	" 1/8 " 5445 " " " " " " " "	10 "	" 1-32 " 1362 " " " " " " " "	2 1/2 "

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; 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 purposes and 1 1/2 bushels per acre for pasture. Extra fancy clean. 100 lbs. \$13; 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 cents; less than peck quantities, per 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. \$18; pound 30

Red Top, choice, per 100 lbs. \$10; per bushel (14 lbs.) \$1.50; peck 50 cents; lb. 25

Sweet Vernal Grass, TRUE PERENNIAL (*Anthoxantum odoratum*). The chief merit of this grass lies in its fragrant odor, which the leaves emit when partly dried; as a mixture for lawns and pasture lands it is invaluable; per lb. 75 cents; ounce 10

Annual Sweet Vernal, per lb. 25

SEEDS

DESIRABLE GRASSES AND CLOVER SEEDS

FOR THE FARM.

AT THE POUND PRICE WE PREPAY POSTAGE.

- 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. $\frac{1}{4}$ 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. $1\frac{1}{2}$ to 2 bushels per acre; per 100 lbs. \$18.00; bushel (14 lbs.) pound 35
- 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 droughty West. It grows most rapidly in sandy soils, but will establish itself on the heaviest lands. Thirty to fifty pounds of seed are sown to the acre. Per 100 lbs. \$20.00; per lb 40
- Bermuda Grass.** Invaluable for crop in the South. It will stand a greater degree of heat than any other known grass. Per pound 25
- 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; per pound 50
- 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; (20 lbs. to bushel) 1 to $1\frac{1}{2}$ bushels per acre; per 100 lbs. \$20.00; per pound 35
- Fowl Meadow Grass (*Poa serotina*).** Suitable for low, moist land. May be mowed any time from July to October. Always sweet and tender, cattle and sheep are fond of it. Succeeds best when mixed with other grasses. One to $1\frac{1}{2}$ bushels to the acre; per 100 lbs. \$22; bushel (12 lbs.) lb. 40
- Johnson Grass (*Sorghum Halafense*).** Popular in the Southern States, where it is considered one of the most valuable forage plants of recent introduction. One bushel to the acre; per 100 lbs. \$12.00; pound 25
- Tall Meadow Oat Grass (*Avena elatior*).** Valuable for pasture on account of its early and luxuriant growth. The most promising for replacing prairie grass at the west. Four bushels to the acre; 100 lbs. \$20.00; bushel (13 lbs.) pound 35
- Meadow Fescue (*Festuca pratensis*).** An excellent pasture grass. Its long and tender leaves are much relished by cattle. Should be sown in a mixture with other grasses, as Orchard Grass, Rye Grass or Kentucky Blue Grass. 40 lbs to the acre; per 100 lbs. \$12; pound 25
- Perennial Rye Grass (*Lolium perenne*).** Valuable for permanent pasture, in mixture with other pasture grasses. Succeeds best on moderately moist land. $1\frac{1}{2}$ 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 an early, quick and successive growth, till late in fall. Recommended for use in pasture mixtures. Two bushels to the acre; per 100 lbs. \$10; bushel (about 18 lbs.); pound 25
- Hungarian Grass (*Panicum Germanicum*).** One of the most valuable annual soiling plants. It will grow in any ordinary soil, 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.) \$1.75; peck 60 cents; pound 20
- German, or Golden Millet.** A medium early forage plant, prolific of both stalk and grain. 25 lbs. to acre; per bushel (50 lbs.) \$1.75; peck 60 cents; pound 20

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.

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.

CLOVER.

See.

- White (*Trifolium repens*).** Valuable for mixing with lawn grass, and should be in every mixture for permanent pasture. Per 100 pounds \$25.00; per pound, by mail, 40 cents; per ounce 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 pound, by mail 20
- Mammoth Red (*Trifolium pratense*).** Used largely for plowing under for manure. Its stalks are so coarse that stock will eat only the leaves, but 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
- 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
- Scarlet, or Crimson (*Trifolium incarnatum*).** Most valuable crop for green manuring, soiling, hay, pasture and silage. It is purely an annual and must be sown every year. It will make a good growth on land which is too poor and sandy to grow red clover or any grasses at all, and will make an enormous growth on good land. It will improve worn out and poor soils more rapidly and permanently than any other plant in existence, therefore the cheapest and best fertilizer, also the cheapest food for all kinds of stock. Being a winter crop it should be sown in August and September, from which the spring following it can be cut for soiling early in the season, from the middle of April to the middle of May; for ensilage and hay from first to last of May, and for seed crop early in June. It will produce on ordinary soil eight to ten tons of green food per acre, one-half to two and a half tons of hay per acre; plowed under as a manurial crop it is worth as a fertilizer \$24.00 per acre. It can be sown in fields of growing corn, orchards and vineyards to keep down weeds and to be plowed under as manure. Ten to fifteen pounds are necessary to seed an acre properly, and after sowing the seed it should be covered by a light harrowing. Bushel, (60 lbs.) by freight or express, \$4.50; 15 pounds by express, at purchaser's expense, \$1.25; 1 pound, by mail, postpaid 25
- Special quotations for large quantities.
- Sweet, or Bokhara (*Melilotus alba*).** Pound 45 cents; ounce 10
- Alfalfa, or Lucerne (*Medicago sativa*).** Where this succeeds it is the most valuable of all the clovers; but it is difficult to secure a good stand, as it 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 perennial belonging to the same family as Clover and Lucerne, used in France as a forage plant. Requires a calcareous soil. 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.

- Hulless.** Heads long and well filled with plump, heavy kernels, hulless, like wheat when threshed. Ripens early and yields about ten bushels more per acre than other barleys. Makes a very sweet, wholesome flour, excellent for combining with wheat, rye flour or corn meal. Should be sown on rich, gravelly, warm upland. Per pound 20 cents; peck 65 cts; bushel \$2.00.
- Early Russian Six-Rowed.** A valuable new sort grown for the past two 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. Per pound 20 cents; peck 50 cents; bushel \$1.75.
- Manshury,** 4-rowed. Heads are long and drooping; straw bright and very strong; does not lodge on richest ground. Per lb. 20 cents; peck 50 cents; bushel \$1.75.
- Two-rowed Duck Bill.** Early and prolific; lb. 20 cts.; peck 50 cts.; bush. \$1.75.

BUCKWHEAT.

- New Japanese.** The yield of this new 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.; 3 lbs. 50 cts., postpaid; 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; per peck 40 cents; bushel \$1.25.
- Longfellow.** An early 8-rowed yellow flint variety. Ears from 10 to 15 inches long, and filled out to tip of cob; cob small. Per quart 20 cents; peck 40 cents; bushel, shelled, \$1.25.
- Champion White Pearl.** A new, early, thoroughbred, white dent Corn, from Illinois. It ripens in 90 to 100 days from time of planting. The grain is large and cob small, makes a good sized ear, averaging 16 rows of grain. Per quart, 20 cts; peck, 40 cents; bushel, shelled, \$1.25.
- 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 closely set upon the cob, above medium size, and of deep orange color. Stalks medium size. The earliest of the dent varieties. Per quart 20 cents; peck 40 cents; bushel, shelled, \$1.50.
- King of the Earliest.** One of the best of the yellow dent varieties, very productive and ripens extremely early, hence succeeds admirably far north. Per quart 20 cents; peck 40 cents; bushel, shelled, \$1.25.
- Iowa Silver Mine.** Awarded 1st prize at Illinois State Fair. White kernels on white cob; ears from 10 to 12 inches in length, often weighing 1½ pounds. Stalks 7 to 8 feet high, 16 to 20-rowed; per quart 20 cents; peck 60 cents; bushel \$2.
- New White Cap Yellow Dent.** The great merit of this new variety lies in the fact that it is as natural a yielder as weeds, grows strong, rank and quick, and will produce more corn on poor, thin soil than any kind now in cultivation. Grows seven to eight feet in height, large fine ear, well filled, 16 to 18-rowed, small cob, grains large and deep, matures in ninety days from time of planting, husks and shells easily; per quart 20 cents; peck, 40 cents; bushel, shelled, \$1.25.
- Improved Early Sheeptooth.** Being nearly two weeks earlier, this variety is better adapted for fodder and ensilage in the Northern states than the ordinary Southern Sheeptooth; \$1 25 bushel; 10 bushel lots \$1.00 per bushel.
- Sweet Fodder.** Being very sweet and nutritious, cattle will eat every part of the stalk and leaves; \$1.50 bushel; 10 bushel lots \$1.25 per bushel.

PRE-HISTORIC CORN.

We here give the introducer's description: "After lying buried 3,000 years, the seed of this Corn is discovered and gives to the present generation the best connecting link with the people who inhabited our country in the dim, distant past. As a novelty unparalleled in many years, for general utility and intrinsic value there has been nothing offered—in our recollection—of equal value. As attractive and beautiful as silken goods. For quality, unequaled by Corn of the present day. For productiveness of grain and fodder, unapproached. Produces 2 to 11 ears to a stalk. Averages 4 good ears under favorable conditions. Capable of yielding 250 bushels per acre." Two ozs. 15 cents; ¼ lb. 25 cents; 1 lb. 75 cents; 2 lbs. of about 6,400 grains, \$2.00. Postage paid.

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 60 cents; bushel \$2.00.
- WINTER—Early Genesee Giant.** It is truly a wonder for thrifty fall growth. Early spring, stooling strong, short-jointed straw, solid filled heads, fine hard amber grain; exceptionally fine milling qualities, very productive, yielding at the rate of 60½ bushels per acre. Per lb. 20 cents; peck, 50 cents; 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, free from rust, and very prolific. Per lb. 20 cents; peck, 75 cents; bush. \$2.50.

Diamond Grit, or Winter Saskatchewan. A worthy rival at last to the *Hard Spring* wheat of the North-West, being superior to every known Winter wheat for milling. Heads of medium length, and nearly erect; straw of medium height, wiry, and of light yellow color. Grain very close set, short, 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 lb. 20 cents; peck, \$1.00; bushel, \$3.00.

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 lb. 20 cents; peck 60 cents; bushel \$2.25.

Jones' Longberry No. 1. A new wheat for 1898. With the introduction of this grand Longberry, now offered for the first time, Winter wheat growers will find it to be one of the most productive, hardy and profitable sorts ever sent out, and a field of it will create a sensation in any neighborhood. It has made a record of 5¼ bushels per acre, sown September 22d on light cobble-stone land, after beans, and without manure, and 43 bushels, sown October 6th, after late beans. Heads very long, wide, and exceptionally well filled, bearded, of a rich brown shade. Straw, gold colored, good length; chaff, smooth kernels, firmly set, very long and large and of attractive color. 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.

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, 40 cents; bushel, \$1.25.
- 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.

LOCUST, Honey. (*Gleditsia Triacanthos*) Cultivated as a hedge plant. Scald seeds before planting; about 2,000 seeds to lb.; per oz. 10c.; lb. 40c.

OSAGE ORANGE. (*Malvura Aurantiaca*). Extensively cultivated as a hedge plant; sow in April or May; about 10,000 seeds to lb.; per oz. 10c.; lb. 40c.

THE BEST SHEEP FODDER.

Rape---Dwarf Essex, 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 the fattening of cattle, pigs and milch cows do very well upon it. It is not well to turn stock on Rape until the plant has almost assumed its full growth, which will be in about six or seven weeks after sowing. When Rape is grown in drills sheep may have access to the whole field, and will do no harm from tramping, but when it has been sown broadcast, some sort of a portable fence should be used so that a fresh piece can be given them every few days. When it is at all convenient, the sheep should have access to a grass pasture, on which they will feed alternately with the Rape, thus keeping them in the best sort 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 yet furnish, under moderately favorable circumstances, a large amount of pasture or fodder. It may even be sown after taking off a crop of early potatoes. In drills sow 5 pounds to the acre. Broadcast, 10 pounds to the acre.

Per lb. 20 cents; per 100 lbs. \$10.00.

SUNFLOWER.

Sunflower, Mammoth Russian. Single heads measure fifteen to twenty-two inches in diameter, and contain an immense amount of seed, which is 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 lb. 25 cents; per oz. 10 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; per oz. 10 cents; packet 5 cents

SORGHUM.

The 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; lb. 20 cents.

Early Orange. A little later than the Amber. It does not succeed well north of latitude 43 degrees; 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 available for green fodder; per lb. 20 cents.

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.

BROOM CORN. The Evergreen is the favorite Broom Corn, and we think our stock is as pure as any; per lb. 25 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.

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 cents, postpaid; \$20 per 100 lbs., freight.

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 eighty 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. It tatters freely and throws up a large number of stems, and therefore can be sown thinner than ordinary oats. Prices, postpaid, per pound 20 cents; 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.

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 \$2.50; quart 20 cents.

LATHYRUS SYLVESTRIS. (Flat Pea.) A perennial forage plant. It grows well on very poor, unimproved, sandy soil, withstands pretty severe frosts, and roots so deeply that it is not injured by severe drouth. 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. \$2.50; oz. 25 cents; packet 5 cents.

POLYGONUM SACHALINENSE. (*Sacaline*.) Is an excellent forage plant; grows well on the poorest soils, and endures the extremes of heat and cold. It grows to a height of ten or twelve feet, and can be cut two or three times in the season. The stems and leaves, which are very nutritious, are said to be eaten either green or dry by cattle and sheep. Per lb. \$3.50; oz. 35 cents; packet 10 cents.

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. 25 cents; 6 lbs. for \$1.25; 10 lbs. for \$1.40; 50 lbs. and upwards at 10 cents per lb.

TEOSINTE. (*Reana Luxurians*.) Recommended as the most prolific forage plant yet introduced, appearance somewhat resembles corn, but the leaves are much longer and broader. The stalk, containing much saccharine matter, is very nutritious. It can be cut several times during the season, yielding enormously. If allowed to remain without cutting, it will attain a height of twelve to fifteen feet. One seed will sometimes produce twenty to sixty stalks or shoots. It was introduced from a tropical country, and the warmer the climate the better it yields. Should not be planted until the soil is perfectly warm in the spring. 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 rate of one to one and one-half bushels to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. A valuable plant. Per bushel \$2.75; quart 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. The method pursued at the Michigan Agricultural College has been to have a small patch convenient to the swine pens upon which the stock were turned early in the spring and allowed to harvest the roots for themselves. The crops are thus grown with little or no labor, the roots remaining in the ground all winter, furnishing succulent food for the swine just when it is most needed and difficult to obtain from other sources. Prof. Johnson, farm superintendent of the college, is so well pleased with results of this feeding that he is greatly enlarging the Artichoke plantation. Price per bushel \$1.75; per peck 60 cents; quart, postpaid, 30 cents.

NOTE. The prices quoted on page 82 should read same as these.

VALUABLE TABLES.

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, Lucerne, Large Red and	8 lbs.	Grass, Timothy.....	¼ bu.	Peas, garden, 1 pint to 75 feet of drill	2 bu.
Asparagus, 1 oz. to 30 feet of drill....	8 lb.	Crimson Trefoil.....	8 lbs.	Horse Radish Roots.....	15,000 to 20,000	Peas, field.....	3 "
Asparagus roots.....	7250	Clover, Medium.....	10 "	Kale, 1 oz. to 5,000 plants.....	2 oz.	Pepper, 1 oz. to 1,500 plants.....	3 oz.
Barley.....	2½ bu.	Collards, 1 oz. to 3,000 plants.....	3 oz.	Kohl Rabi, ½ oz. to 100 feet of drill	4 lbs.	Potatoes.....	8 bu.
Beans, dwarf, 1 qt. to 200 ft. of drill	1 "	Corn, rice, (shelled).....	2 qts.	Leek, ½ oz. to 100 feet of drill.....	4 "	Pumpkin, 1 pint to 100 hills.....	4 lbs.
Beans, pole, ½ pt. to 100 hills.....	½ bu.	Corn, sweet, 1 qt. to 200 hills.....	6 "	Lettuce, ½ oz. to 100 feet of drill.....	3 "	Radish, 1 oz. to 100 feet of drill.....	10 "
Beet, garden, 1 oz. to 75 feet of drill	5 lbs.	Cress, ½ oz. to 100 feet of drill.....	12 "	Melon, Musk, 1 oz. to 60 hills.....	2 "	Rye.....	1½ bu.
Beet, Mangl., 1 oz. to 60 feet of drill	6 "	Cucumber, 1 oz. to 50 hills.....	3 "	Melon, Water, 1 oz. to 30 hills.....	3 "	Salsify, 1 oz. to 150 feet of drill.....	8 lbs.
Broccoli, 1 oz. to 5,000 plants.....	2 oz.	Egg Plant, 1 oz. to 1,500 plants.....	4 oz.	Nasturtium, 2 oz. to 100 feet of drill....	15 "	Spinage, 1 oz. to 100 feet of drill.....	10 "
Broom Corn.....	10 lbs.	Endive, ½ oz. to 100 feet of drill.....	4½ lbs.	Oats.....	2 bu.	Squidlow.....	8 "
Brussels Sprouts, 1 oz. to 5,000 plants	2 oz.	Garlic, bulbs, 1 lb. to 10 feet of drill	4½ lbs.	Onion Seed, 1 oz. to 100 feet of drill	5 lbs.	Squash, Summer, 4 oz. to 100 hills....	2 "
Buckwheat.....	½ bu.	Grass, Kentucky Blue.....	4 bu.	Onion Seed for Sets.....	40 to 50	Squash, Winter, 6 oz. to 100 hills....	2 "
Cabbage, 1 oz. to 3,500 plants.....	3 oz.	Grass, Hungarian and Millet.....	½ "	Onion Sets for Sets.....	40 to 50	Tomato, 1 oz. to 3,500 plants.....	2 oz.
Carrot, 1 oz. to 150 feet of drill.....	3 lbs.	Grass, Mixed Lawn.....	4 "	Onion Seed, 1 oz. to 100 feet of drill....	8 bu.	Turnip, 1 oz. to 200 feet of drill.....	1½ lbs.
Canflower, 1 oz. to 3,500 plants.....	2½ oz.	Grass, Orchard, Perennial Rye, Red	4 "	Parsnip, 1 oz. to 200 feet of drill.....	5 lbs.	Vetches.....	2 bu.
Celery, 1 oz. to 5,000 plants.....	2 "	Top, Powl Meadow and Wood	2 "	Parsnip, 1 oz. to 150 feet of drill.....	3 "	Wheat.....	1¼ "
Chicory.....	4 lbs.	Meadow.....	2 "				
Clover, Alsike and White Dutch.....	6 lbs.	Grass, Red Top, Faucy Clean.....	8 to 10 lbs.				

SEEDS

THE LEADING SMALL FRUITS

We pack plants carefully, and guarantee their safe arrival at destination, after which our responsibility ceases. All fruit plants will be sent by mail or express, AT THE EXPENSE OF THE PURCHASER, except as noted.

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.

Strawberry, Bismark. (P.) The Bismark is a seedling of Bubach No. 5, pollenized by the Vandeman. The plant resembles Bubach 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, never cox-combed, and is the heaviest berry we have ever seen or grown. Color bright scarlet, no green tips, very firm, good flavor and shippcr. Season medium to very late; size, larger than Bubach. Per dozen, 40 cents; per 100, 80 cents; per 1000, \$5.00.

Greenville. (P.) Originated in an accidental seedling on a fruit farm in Greenville, O. It fruited successfully the first season, and has increased and improved so that it is one of the most valuable sorts offered to the public. The berries are large size and very productive. It is of excellent quality, medium texture and color, very even and fine; medium to late.

Haverland. (P.) Plants vigorous and stand a 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.

Lovett's. A cross between Crescent and Wilson. More prolific than the former and double its size; color brilliant and as firm as the latter. Ripens very early; earlier than either of its parents. Very hardy and vigorous in growth.

Marshall. Of the very largest size, far surpassing in that respect any other sort; in color very 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. The plants are strong and vigorous. The foliage is 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 the market. Per dozen, 40 cents; per 100, 80 cents; per 1000, \$5.00.

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.

Michigan. Strawberry people have long been looking for a very late berry. This demand seems to be met in the Michigan, a berry of high quality, handsome appearance, large and firm. It ripens ten days to two weeks later than the Gandy, hitherto thought to be the latest. In form it is bluntly conical, exceptionally uniform in size and shape, and of bright crimson color, with distinct yellow seeds. The plant is a strong, healthy grower, and very prolific. Per dozen, 40 cents; per 100, 80 cents; per 1000, \$5.00.

Sharpless. Very vigorous and productive, one of the largest known, fine flavor, and delicate aroma. Clear red, with smooth surface. This variety requires a rich, strong soil and good culture, and will repay extra care in cultivation, when one has a market where fine fruit is appreciated.



Brandywine. Description by the editor of the *Rural New-Yorker*, who has fruited it three years: "Of immense size and fine quality; quite firm and shapely for so large a berry; foliage of the largest and thriftest, 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. In general, it is heart-shaped, often broadly so, without neck. Its most pronounced irregularity inclines toward a Sharpless shape, occasionally as if 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.

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.

Jessie. Large size, handsome, regular form and desirable in some localities, while in others it has not proved so satisfactory. Stout and luxuriant in growth on rich soil; free from rust. Beautiful color, fine quality, very productive, quite firm.

Strawberry, Splendid. This berry is well named. The vines are a rich dark green in color, without a spot of rust or disease of any kind, and grow like weeds. It is very productive, of uniform medium size berries, berries that are firm and show up well in the package. It is an excellent shipper.

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. This variety is yet largely raised for market purposes, and in the family garden it maintains a place especially for culinary uses, as it has no superior for canning.

Our Strawberry Plants are Strong, Vigorous and True to Name. We do not substitute, as our Stock is ample.

STRAWBERRY PLANTS:

Per dozen,	- - - - -	\$0 30
Per 100,	- - - - -	65
Per 1000,	- - - - -	3 50

Unless otherwise noted.

PLANTS



MICHIGAN.



BUBACH.

RASPBERRIES.

Simbreen.

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; 2,074 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 stock. After fruiting cut out all of 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.

RASPBERRIES—RED.

Raspberry, Cuthbert. A valuable late variety for home use or marketing; large, firm, and of superior quality; very productive; 30 cents per dozen; \$1.00 per hundred; \$6.50 per thousand.

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; fruits very prolific in rich soil. Price, 30 cents per dozen; \$1.25 per hundred; \$9.00 per thousand.

Loudon. This new variety of Red Raspberry has now been well tested in many localities, and there is an agreement among practical fruit growers that it is an advance beyond the best of the well-known standard varieties. Hardier, better, and 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. Price, 10 cents each; 50 cents per dozen; \$3.00 per hundred.

Thompson's Early Prolific. Unsurpassed for earliness, hardiness, 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. Ripens with the late strawberries and is our favorite for an all round variety; dozen 30 cents; hundred \$1.25; thousand, \$9.00.

RASPBERRIES—BLACK

Conrath. The 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 and quality high. In cane it resists anthracnose, is entirely hardy and reliable, and especially valuable for evaporating. Per dozen 30 cents; per hundred \$2.25; per thousand \$9.00.

Gregg. Very large; of excellent quality, wonderfully productive, and very hardy; late. Per dozen 25 cents; 85 cents per hundred; \$6.50 per thousand.

The Kansas. A new raspberry from the west, giving promise of great value. The early tips will grow from the bud (that in other kinds remains dormant), grow two to four feet the same fall, and stand uninjured the next winter. Grows well in hot and dry spells; produces more canes and branches, covered with a thick, blue bloom, and is of much larger size than the Gregg; jet-black color, firm texture and delicious quality. Per dozen 30 cents; per hundred \$1.25; per thousand \$9.00.

Ohio. Fruit large, of fine quality, and considered the best of the Cap varieties for drying purposes. It is a strong grower, hardy and very productive; late. Price, 25 cents per dozen; 80 cents per hundred; \$6.00 per thousand.

Palmer. Very similar to the Standard Early "Tyler," but larger and better, and is very highly recommended for early fruiting; as far ahead of Tyler as that was of the old Doolittle. Price, 25 cents per dozen; 80 cents per hundred; \$6.00 per thousand.

RASPBERRY—YELLOW.

Raspberry, Golden Queen. The great beauty, large size, productiveness and high quality of this variety are valuable points. It seems equally as hardy as any other sort, and is a grand addition to this class of fruit. It will become a general favorite for the home garden or near market, as its merits become known. Color light amber. Price, 35 cents per dozen; \$1.25 per hundred; \$9.00 per thousand.



THE LOUDON RASPBERRY.

BLACKBERRIES.

For field culture, plant in rows six feet apart, with plants three feet apart in the row. For garden culture, five by four feet.

Blackberry, Agawam. A hardy and very prolific variety; fruit sweet and soft to the center. An early and reliable sort. 30 cents per dozen; \$1.25 per hundred; \$9.00 per thousand.

Erie. This variety follows closely the Early Harvest in period of ripening. Fruit of large size, roundish, uniform in size excellent quality and handsome. A valuable variety for home use or market. 35 cents per dozen; \$1.50 per hundred; \$12.00 per thousand.

Kittatinny. This excellent variety was once a general favorite, but it proved somewhat tender in northern localities, and on this account only, it has given place to more hardy sorts. South of New York it is uniformly hardy, and in that region is highly esteemed. The plant is a strong grower and very productive. Berries large, handsome and of the best quality. 30 cents per dozen; \$1.25 per hundred; \$9.00 per thousand.

Minnewaska. A variety of the greatest value. The plants are very vigorous, quite hardy all through this region, highly productive, fruit large, jet black and shining, uniform in size, sweet and soft to the center; commences to ripen early and continues until the middle of September. An immense producer. 40 cents per dozen; \$2.00 per hundred; \$15.00 per thousand.

Snyder. Esteemed in the coldest portions of the country on account of its extreme hardiness. Berries of medium size, but produced in great abundance sweet, juicy and when fully ripe without a hard core. Well adapted to the northwest, where other varieties are injured in severe winters. 40 cents per dozen; \$1.25 per hundred; \$9.00 per thousand.

Wilson Junior. Moderately hardy and will do well in the Southern Middle States and further South. It is a vigorous growing variety and very productive; fruit large and good and ripens early, 40 cents per dozen; \$1.50 per hundred; \$12.00 per thousand.

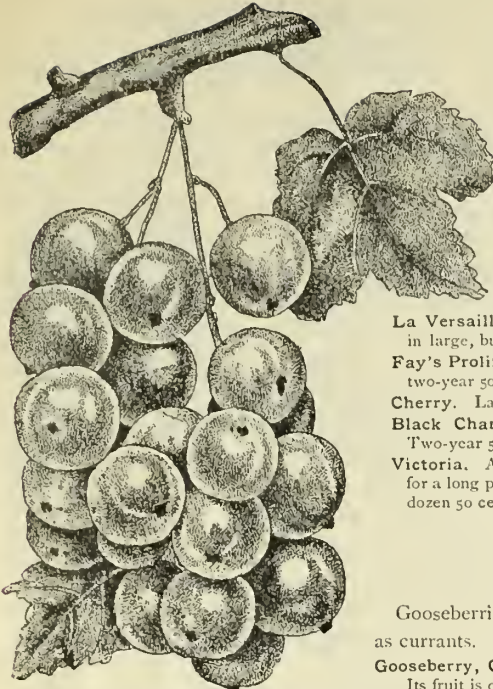
If by mail, add 15 cents per dozen.

THREE RAMBLER ROSES White, Yellow, and Crimson, for 40 cents

Last year one of these varieties sold for 50 cents. A plant of the White alone is worth the price. Flowers produced in magnificent large clusters, sweet-scented, and flowers all through the summer. Perfectly hardy. Add the White, Yellow, and Crimson Rambler Roses to your order,—only 40 cents for the set of three plants.

PLANTS

CURRANTS.



POMONA CURRANT.

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 free use of the powdered white hellebore.

If by mail, add 15 cents per dozen.

Currant, Pomona. A new variety; is a 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. Two-year plants 25 cents each; \$2.00 per dozen.

Lee's Prolific. Black. The best black variety for all purposes. Early, large and productive. Sweet as a huckleberry: two-year 50 cents per dozen; \$3.00 per hundred.

La Versailles. A very popular market sort. The largest red except Fays Prolific. Bushes rugged; fruit large, in large bunches, very tart; two-year, 50 cents per dozen; \$2.50 per hundred.

Fay's Prolific. One of the best; very productive; large size; good flavor and bears early. Adapted to light soil. Two-year 50 cents per dozen; \$3.00 per hundred.

Cherry. Large and productive. The standard for market; two-year 50 cents per dozen; \$2.50 per hundred.

Black Champion. An English variety; fruit large, handsome, and highly flavored; extra good for jams, etc. Two-year 50 cents per dozen; \$2.50 per hundred.

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 dozen 50 cents; \$2.50 per hundred.

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. Add 20 cents per dozen by mail.

Gooseberry, Chautauqua. This 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 pines and hairs, veined and translucent, averaging one to one and one-fourth inches in diameter, often one and one-half inches long. Thick skinned, very sweet and of exquisite flavor and highly recommended by experts. Strong plants, each 50 cents; \$5.00 per dozen.

Downing's. A native seedling, greenish white, vigorous, hardy and prolific, large fruit. Free from mildew; each, 15 cents; 50 cents per dozen; \$2.00 per hundred.

Smith's Improved, large, pale greenish-yellow, thin skin and excellent quality. Exceedingly productive; each, 15 cents; \$1.10 per dozen; \$3.00 per hundred.

Industry. A new English variety that is a valuable acquisition. The fruit is dark red, very large and of a rich, agreeable flavor; an immense yielder; each, 25 cents; \$2.00 per dozen.

Golden Prolific. The foliage is a dark glaucous green, and in the early stages of growth the wood is very spiny, making it quite distinct in this respect. The fruit is large, of a deep golden yellow, excellent in quality and very attractive in appearance. It is perfectly hardy, very prolific, a good grower; and unusually free from mildew. Plants, 40 cents each; \$3.50 per dozen.

Pearl is a gooseberry grown from the seed of Houghton, crossed with Ashton Seedling, by Prof. William Saunders, and is worthy of special notice because (1) of its good quality; (2) its size; (3) its productiveness; (4) its freedom from mildew. A row of some sixty bushes one year planted was literally bent to the ground with heaps of fruit. The average was eight berries per inch of wood, and on one bush we estimated there must have been 2500 berries. Plants, 20 cents each; \$1.50 per dozen; \$12.00 per hundred.

THE THREE LEADERS.

All lovers of small fruits should avail themselves of this very reasonable offer for these most delectable of all fruits:

THE RATHBUN BLACKBERRY.

COLUMBIAN RASPBERRY.

BLACK DIAMOND RASPBERRY.

We make the following combination:

One each of the above three for 50 cents.

Two each of the above three for 90 cents.

Three each of the above three for \$1.25.

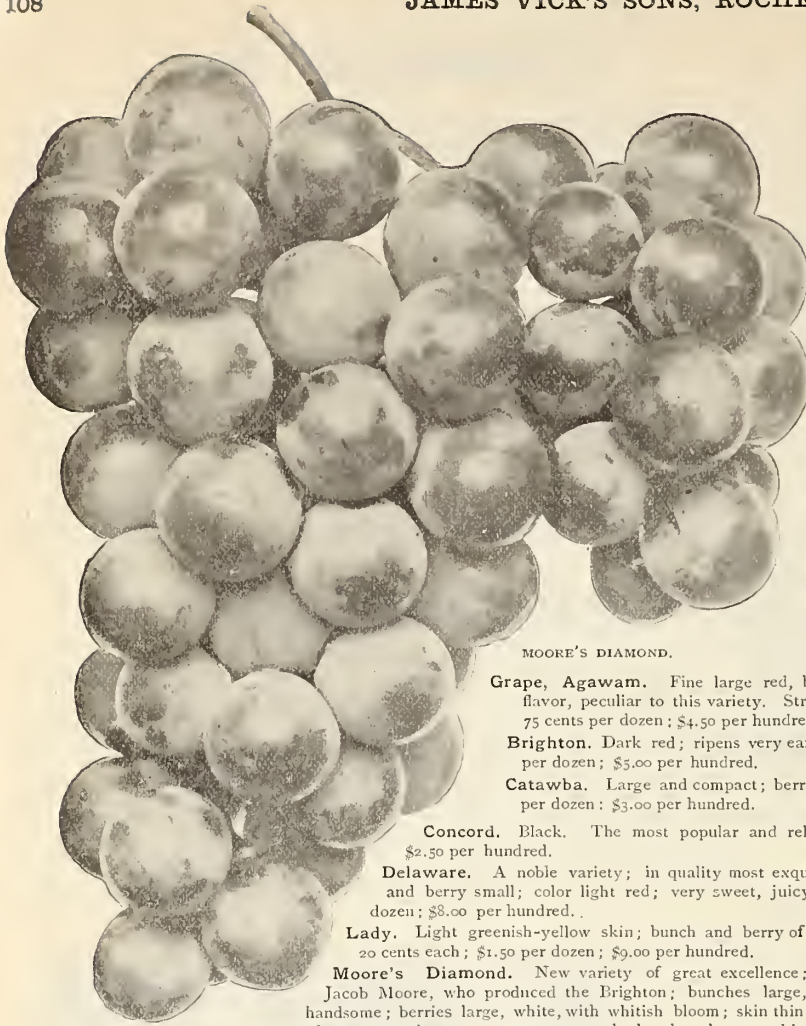
DELIVERED AT YOUR DOOR

For full description see Novelty Pages.



PEARL GOOSEBERRY.

GRAPES.



In setting the vines, the 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 the roots and stem up to top bud. Train the vine to a stake for the first two years, and afterwards train on trellis. Bear this in mind, old wood never bears the second time. The canes 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.

Our vines are all strong 2-year-old and true to name.

MOORE'S DIAMOND.

Grape, Agawam. Fine large red, borne in clusters of good size. Excellent quality. Aromatic flavor, peculiar to this variety. Strong growing vine and very productive. Vines, 10 cents each; 75 cents per dozen; \$4.50 per hundred.

Brighton. Dark red; ripens very early; one of the most desirable; strong vines, 10 cents each; 75 c. per dozen; \$5.00 per hundred.

Catawba. Large and compact; berries deep red, sweet and juicy; strong vines, 10 cents each; 65 cents per dozen; \$3.00 per hundred.

Concord. Black. The most popular and reliable variety in cultivation; 10 cents each; 60 cents per dozen; \$2.50 per hundred.

Delaware. A noble variety; in quality most exquisite. Here it does well and is our most reliable grape; bunch and berry small; color light red; very sweet, juicy and high flavored. Strong plants, each, 20 cents; \$1.50 per dozen; \$8.00 per hundred.

Lady. Light greenish-yellow skin; bunch and berry of good size; vine of good growth; very productive; ripens early. 20 cents each; \$1.50 per dozen; \$9.00 per hundred.

Moore's Diamond. New variety of great excellence; said to be a cross of Concord with Iona. Originated with Jacob Moore, who produced the Brighton; bunches large, compact, shouldered, and sometimes double shouldered; very handsome; berries large, white, with whitish bloom; skin thin; berries cling well to the peduncle; flesh melting, juicy and sweet to the center; vine a strong grower and abundant bearer; this is a variety of remarkable merit, and will take a place above any

Pocklington. Resembles Niagara, but of better quality, though of slower growth. A very valuable and popular white grape. 20 cents each; \$1.40 per dozen; \$8.00 per hundred.

Worden. The best of all the black grapes, and the most productive and satisfactory of all varieties. Strong vines, each, 10 cents; 60 cents per dozen; \$3.00 per hundred.

In ordering by mail enclose 15 cents per dozen for postage, otherwise we ship by express or freight at expense of purchaser.

white variety now known. Each, 20 cents; \$1.60 per dozen; \$9.00 per hundred.

Moore's Early. Black. About two weeks earlier than Concord; bunch and berries very large. 20 cents each; \$1.40 per dozen; \$8.00 per hundred.

Niagara. New, strong, vigorous grower; bunch and berries large and of good quality; color light green; very productive; each, 10 cents; 75 cents per dozen; \$5.00 per hundred.

Number of Plants and Trees to the Acre at Given Distances.

Ds. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.
12 x 1 In	522,720	50 x 1 In	209,088	42 x 12 In	12,446	60 x 60 In	1,743
12 x 3 "	174,240	50 x 6 "	34,848	42 x 24 "	6,223	8 x 1 Ft	5,445
12 x 12 "	43,560	50 x 12 "	17,424	42 x 36 "	4,148	8 x 3 "	1,815
18 x 1 "	392,040	50 x 16 "	13,068	42 x 42 "	3,556	8 x 8 "	680
18 x 3 "	348,480	50 x 20 "	10,454	48 x 12 "	10,890	10 x 1 "	4,356
18 x 12 "	116,160	50 x 24 "	8,712	48 x 18 "	7,790	10 x 6 "	726
20 x 1 "	29,040	50 x 30 "	6,970	48 x 24 "	5,445	10 x 10 "	435
18 x 18 "	19,360	56 x 3 "	58,080	48 x 30 "	4,356	12 x 1 "	3,630
20 x 1 "	313,635	56 x 12 "	14,520	48 x 36 "	3,630	12 x 5 "	736
20 x 20 "	15,681	56 x 18 "	9,680	48 x 48 "	2,723	12 x 12 "	502
24 x 1 "	261,560	56 x 24 "	7,260	60 x 36 "	2,901	16 x 1 "	2,792
24 x 15 "	15,520	56 x 30 "	5,808	60 x 48 "	2,178	16 x 16 "	170
24 x 24 "	10,890	56 x 36 "	4,840				

THREE ROSES that flower all summer; the hardiest and best climbing roses known, grow from eight to ten feet in a season, one plant has been known to have three hundred blossoms at one time. Immense trusses of sweet-scented roses—yellow, white and crimson climbing over the piazza, and only 40 cents for this set of Three plants of Rambler Roses; add them to your order—they are perfectly hardy.

THE "IRON AGE" WHEEL HOES AND DRILL. FOR FIELD AND GARDEN WORK.

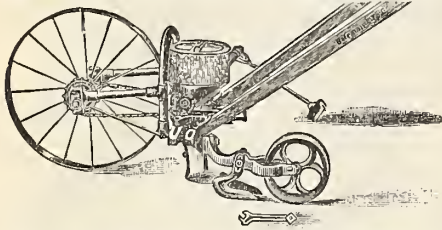
We have no hesitation in claiming these tools to be the most perfect and satisfactory made, and we want to place one or more in the hands of each of our customers. The tools have recently become immensely popular, owing to the new departure in their design and construction; in other words, they are all 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 prepaid. Persons living in this vicinity can see a full line at our Elm Street Store.

THE "IRON AGE" COMBINED SEED DRILL AND WHEEL HOE.

We are glad to be able to offer in this tool what is evidently the most complete implements of the kind; the cut shows it to be a whole tool house of itself. It is a seed drill, a double wheel hoe, a single wheel hoe, a cultivator, plow and rake. It is converted into a perfect seeder by the drill attachment, which is quickly and easily placed in position and which is simple in operation, having no gearing, serews 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. The labor of operation is reduced to a minimum owing to the light weight of the tubular frame, high wheel, etc. Price, \$9.00.

THE "IRON AGE" SEED DRILL.

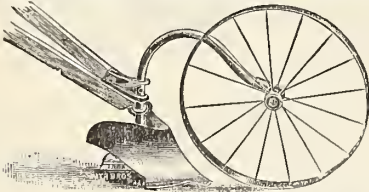
We offer the "Iron Age" as a seed drill only, as shown in cut. This is the same tool as the combined "Iron Age"



with no attachments and with but one wheel. The same remarks apply concerning its construction and operation. Price, \$6.50.

THE "IRON AGE" WHEEL PLOW.

Following out the idea of bicycle construction, as shown in the preceding cuts, we offer also a wheel plow constructed

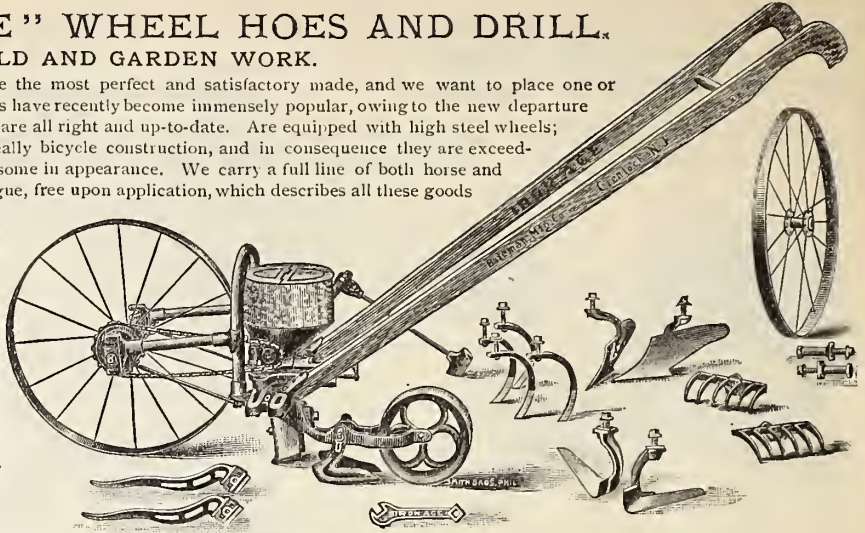


in same manner, and we think we cannot be accused of extravagant language in claiming it to be a little "beauty." Its graceful shape and exceeding lightness accord well with its ease of operation and perfection of work. Adjustable in depth. Packed weight, 15 pounds. Price, \$2.50.

THE "IRON AGE" SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE.

This tool is, in regard to the work, done, almost a counterpart of the Double Wheel Hoe, and the same remarks as to its construction, extreme lightness and ease of operation will apply with equal force. In addition, its lower price, less weight and increased steadiness given by a single wheel, make strong arguments in favor of this tool. For the small kitchen garden we consider the single wheel hoe very valuable. The work is done principally between the rows, although the 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 holed—in short, all such work usually accomplished by a special plow. Packed weight, 28 pounds. Price, \$4.50.

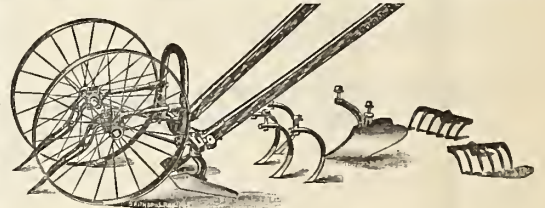
We also have a weeder attachment for this tool similar to the ones used on the Double Wheel Hoe. A capital thing. Price, 75 cents.



THE "IRON AGE" COMBINED SEED DRILL AND WHEEL HOE.

THE "IRON AGE" DOUBLE WHEEL HOE.

At a glance one can see the great usefulness of this tool. The garden or farm is incomplete without at least one of these tools. 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 in the same time. One great advantage which this double wheel hoe possesses is that it can be made into a practical single wheel hoe in a moment's time. An axle is sent with every double wheel hoe for this purpose. The wheels are 16 inches high, enabling the wheel hoe to run easy and without yielding to the depressions of the soil as a low wheel will do. The frame being made of tubing coupled to malleable castings gives great strength together with lightness. All the tools shown in the cut go with the machine for the price, \$6.00.



THE "IRON AGE" 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 the machine while it is either a double wheel or a single hoe, oftener used with a single wheel for convenience of working. Oftentimes it is convenient to have a Landside Plow in connection with a double wheel, as with this attachment the ground can be broken and the machine used for a greater variety of work. Poultry keepers will find this plow of great value in turning under the droppings in their poultry yard. Price, 80 cents.

For perfect work every farmer using a wheel hoe should have a pair of our Weeder attachments. They may be used with or without the side hoes. Where used in connection with the side hoes, as shown in cut, they thoroughly pulverize the soil and break up the lumps which follow the side hoes, and at the same time keep the land perfectly level, so the plant is not left to stand on a ridge to be dried out by the sun's rays. Price of Weeders, per pair, \$1.00.



DOUBLE WHEEL HOE WITH SIDE HOES AND WEEDER.

Index, or Indicator, is plain, convenient and reliable, placed in open sight immediately under eye of operator. 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, thus preventing all loss of seeds at end of rows. Some of the largest planters and growers will use no other Seed Drill.

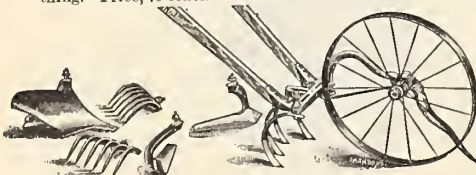
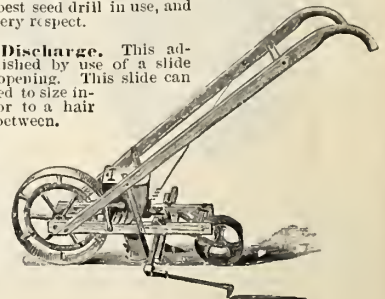
Price, \$7.00.

THE "IRON AGE" DOUBLE WHEEL HOE SHOWING LANDSIDE PLOW ATTACHED.

NEW MODEL SEED DRILL.

Built in a workman-like manner, of best material; we venture to say it will be found the best seed drill 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.



FLOWER POT SAUCERS.



Indurated fibre ware is far cheaper in the end and better than earthenware. Are not porous and will protect woodwork, tables etc. Light and

4 1/2 inch, \$1.05 doz.; 6 inch, \$1.20 | not easily broken. doz., 8 inch, \$1.35 doz.; 10 inch \$1.60 doz.; prepaid.

ROLLING STANDS

for heavy plants. Indurated fibre ware will not soak nor rust. Casters have ball bearings, saves carpets and enables floors to be cleaned.



13 inch, 3 casters. price \$1; 17 inch, 4 casters, \$1.15.

WISS' PRUNING SHEAR.

The new Wiss we consider one of the best in use. Two springs with each shear. Price prepaid.

No. 1, \$2.00
No. 2, 1.90
No. 3, 1.75



Hazeltine's Hand Weeder and Scraper.

By mail, prepaid 25 cts.

PRUNING AND BUDDING KNIVES.



No. 178, Cocoa Handle Pruning Knife, Steel Capped, Hook Blade, 2 1/4 inches -	Price, by mail, prepaid, \$0 90
No. 188, Cocoa Handle Pruning Knife, Hook Blade, 3 inches -	70
No. 713, Propagating Knife -	60
No. 718, Bench Budding Knife -	20
No. 913, Ivory Handle Budding Knife. 2 blades -	1 00

Made especially for our own trade for making cuttings, splendid for ink eraser or general house knife.

... NEW ...

AUTOMATIC SETTING MOLE TRAP

Automatic in setting, made of steel and malleable iron; superior to any mole trap in the market. Price, \$1.00 boxed and delivered at express or freight office.

"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 to any heretofore made for the purpose intended, i. e., in the Garden, Flower Beds, Strawberries, Gravel Walks, Cutting Sod, Onions, Corn, Sorghum, 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 to railroad or express office \$1.50.

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, 40 cents. Whale Oil Soap, 1 lb. box, 25 cents; by mail, prepaid.

LANG'S HAND WEEDER.



HANDIEST TOOL ON EARTH.

30¢ By Mail PREPAID

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 they 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. Now, as to the time of sowing 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 place over the seeds, as this will allow the young plants easily to push through.

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 hot-bed or cold frame, in some place where the plants can be protected while it is yet cold, and yet have a temperature in which they will thrive.

Hot-beds 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, most likely a great portion of the plants will be ruined. When the sun gets pretty warm give the glass a thin coat of white-wash. This gives a little shade, and, with some air during the middle of bright days, will make all safe. The hot-bed 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 the frame and keep it close 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.

Cold-Frames. Some of the advantages of a hot-bed can be secured by a cold-frame. This is simply a frame with sash, the same as employed for a hot-bed, 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 cold-frame depends upon the sun for warmth, it must not be started as soon as the hot-bed, 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 the frost is over, and, as a general thing, they will be hardier and better able to endure the shock of transplanting than if grown in a hot-bed. A frame of this kind any one can manage. Watering occasionally will be necessary; and air must be given on bright, warm days. Shade also is necessary.

Hand-Glasses. Frames, when so small as to be conveniently moved by hand, are called hand-glasses. A frame, or hox, with a couple of lights of glass on top will answer a very good purpose, though when small it would be better to have the front of glass. A very good hand-glass is made of a square frame, with a light of glass on each side and on top. These contrivances, though so simple as to be made by any one handy with tools, are exceedingly useful, as they prevent the drying of the surface of the ground, and afford the plants shelter from sudden changes of temperature, cold storms and frosty nights. Seeds may be sown in the house in pots, or hoxes, 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.

BOOKS.

Our list of Books on the FARM, ORCHARD and GARDEN constitutes a good library, and will prove a mine of wealth and information to the reading Gardener and Farmer. List mailed upon application.

SEEDS IN BULK.

In the following list we quote prices for seeds by the bushel, four quarts and quart, pecks at bushel rates, 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 these 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 ten cents per pound and fifteen cents per quart, from the prices given in the preceding pages.

BEANS.

	QUART	4 QTS.	BUSH
Prolific Black Wax	\$ 20	\$ 60	\$ 3 00
Wardwell's Kidney Wax	20	60	3 00
Extra Early Valentine Wax	20	60	3 00
Vick's Improved Golden Wax	20	60	3 00
Yosemite Mammoth Wax	30	85	6 00
Extra Early Red Valentine	20	50	3 00
Long Yellow Six Weeks	20	50	2 50
Extra Early Refugee	20	50	2 50
Burpee's Bush Lima	30	85	5 00
Large Lima, extra large seed	25	85	5 00
King of the Garden Lima	30	85	5 00
Extra Early Jersey Lima	30	85	5 00

CORN-SWEET OR SUGAR.

Vick's Earliest of All	20	60	2 75
Country Gentleman	20	50	2 25
Extra Early Cory	20	50	2 25
Perry's Hybrid	20	50	2 25
Early Minnesota	20	50	2 25
Crosby's Early	20	50	2 25
Stowell's Evergreen	20	50	2 25

PEAS.

Vick's Extra Early	25	60	3 00
Alaska	20	50	2 50
Philadelphia Extra Early	20	50	2 50
Stratagem	25	75	4 50
The Charmer	25	75	4 00
King of the Dwarfs	25	75	4 00
Bliss' American Wonder	25	60	3 50
Nott's Excelsior	25	60	3 50
Extra Early Premium Gem	25	60	3 00
McLean's Advancer	20	50	2 75
Horsford'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 25
Pride of the Market	25	75	4 25
Tall Melting Sugar	30	80	4 50
Black-eyed Marrowfat	15	40	1 75
White Marrowfat	15	40	1 75
Field, for sowing broadcast			1 10

BEEF.

	1/4 LB.	LB.
Egyptian Blood Turnip	\$ 10	\$ 35
Eclipse, Extra Early	10	35
Extra Early Bassano	10	35
Edmand's Blood Turnip	10	35
Improved Early Blood Turnip	10	30
Lentz Early Turnip	10	35
Long, Smooth Blood Red	10	35
Imperial White Sugar	10	25
Mangel Wurzel, Vick's Mammoth Long Red	10	25
" " Golden Giant, new, great cropper	10	25
" " Golden Tankard	10	25

CABBAGE.

Early Jersey Wakefield	40	1 50
Improved Early Summer	40	1 50
All Seasons	40	1 50
Fottler's Improved Brunswick	35	1 30
Henderson's Succession	40	1 50
Premium Late Flat Dutch	35	1 25
Mammoth Rock Red	50	1 75

CARROT.

Chantenay	15	50
Danvers Orange	15	50
Improved Long Orange	15	50
Guerande, or Oxheart	15	50

CUCUMBER.

Early White Spine	15	40
Chicago Pickling	15	40
Green Prolific	15	40
Improved Long Green	15	40

ONION.

Danvers Yellow Globe (Home grown)	20	75
California Yellow Globe	15	60
Prize Taker, Yellow Globe, Spanish	30	1 10
Red Wethersfield	20	70

ONION.

	1/4 LB.	LB.
Extra Early Red Flat	\$ 20	\$ 70
Early Red Globe	20	80
Southport White Globe	40	1 50
White Silver Skinned	40	1 50

PARSNIP.

Improved Guernsey	70	35
Long Hollow Crown	10	35

RADISH.

Vick's Early Scarlet Globe	20	60
Early Scarlet Turnip	15	40
French Breakfast	15	40
Long Scarlet Short Top	10	35
Beckert's Chartier	15	40
Black Spanish Round Winter	15	50
California Mammoth White Winter	15	50

SQUASH.

Mammoth Summer Bush Crookneck	15	50
Hubbard	15	50
Essex Hybrid	10	40

SPINACH.

Improved Thick-Leaved or Long- Standing	—	20
Round Large-Leaved or Virolloy	—	20
Bloomdale Savoy Leaved	—	20
Prickly or Fall	—	20

TURNIP.

Purple Top, Strap-Leaf	10	30
Purple Top, White Globe	10	30
Orange Jelly or Golden Ball	10	30

RUTA BAGA.

Vick's Imperial Purple Top	10	30
White Sweet Russian	10	30

PREMIUMS AND PRESENTS.

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 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.
" " 2.00 " " " 2.55.
" " 3.00 " " " 3.90.
" " 4.00 " " " 5.40.
" " 5.00 " " " 6.75.

Persons sending \$10.00 may select seeds amounting to \$14.00, and will receive, free, a copy of Home Floriculture, by Rexford.

Persons sending \$15.00 may select seeds amounting to \$21.00, and will receive, free, a copy of Home Floriculture.

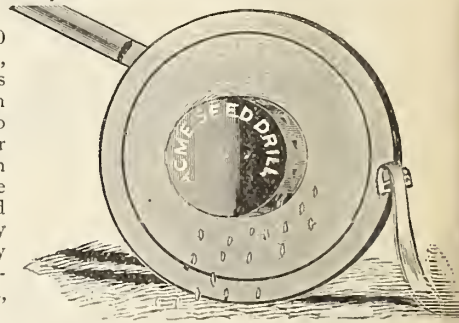
It must be understood that these premiums and discounts are allowed only on Flower and Vegetable Seeds by the Packet and Ounce, and not on seeds by the pound, nor on Bulbs, or Plants; nor can we pay this discount in Bulbs and Plants, or seeds by the pound. Otherwise it would bring the price far below the cost.

The seeds will be put up 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.

A GRAND PREMIUM.

The Acme Seed Drill, a drill that will distribute beet, cabbage, carrot, celery, lettuce, radish, turnip and all like seeds with perfect regularity; will do ten times as much work as can be done by hand. Simple in construction; easily understood.

GIVEN FREE with an order for \$3.00 worth of seeds. That is, a person ordering seeds in packets or ounces from this Catalogue, where no premium is taken, nor special collections, such as on pages 2 and 112, we will send this Acme Seed Drill free, and prepay charges east of the Rocky Mountains. Price of implement without seeds, prepaid as above, \$1.25.



In addition to these premiums and presents, we forward in December, each year, to every customer, VICK'S GARDEN AND FLORAL GUIDE, containing descriptions of all Flowers and Vegetables worthy of cultivation. In sending Clubs, it is therefore necessary to give the names of the persons of which they are composed, with Post Offices, so that we may be enabled to forward them the GUIDE.

In August we publish a Catalogue containing a list of Bulbs for autumn planting and for flowering in the house in winter; also a list of house plants, which we forward to those of our customers who purchased Bulbs of us the previous Fall, and to any one who will send a Postal Card with name and Post Office. Send in your name for Bulb Catalogue.

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