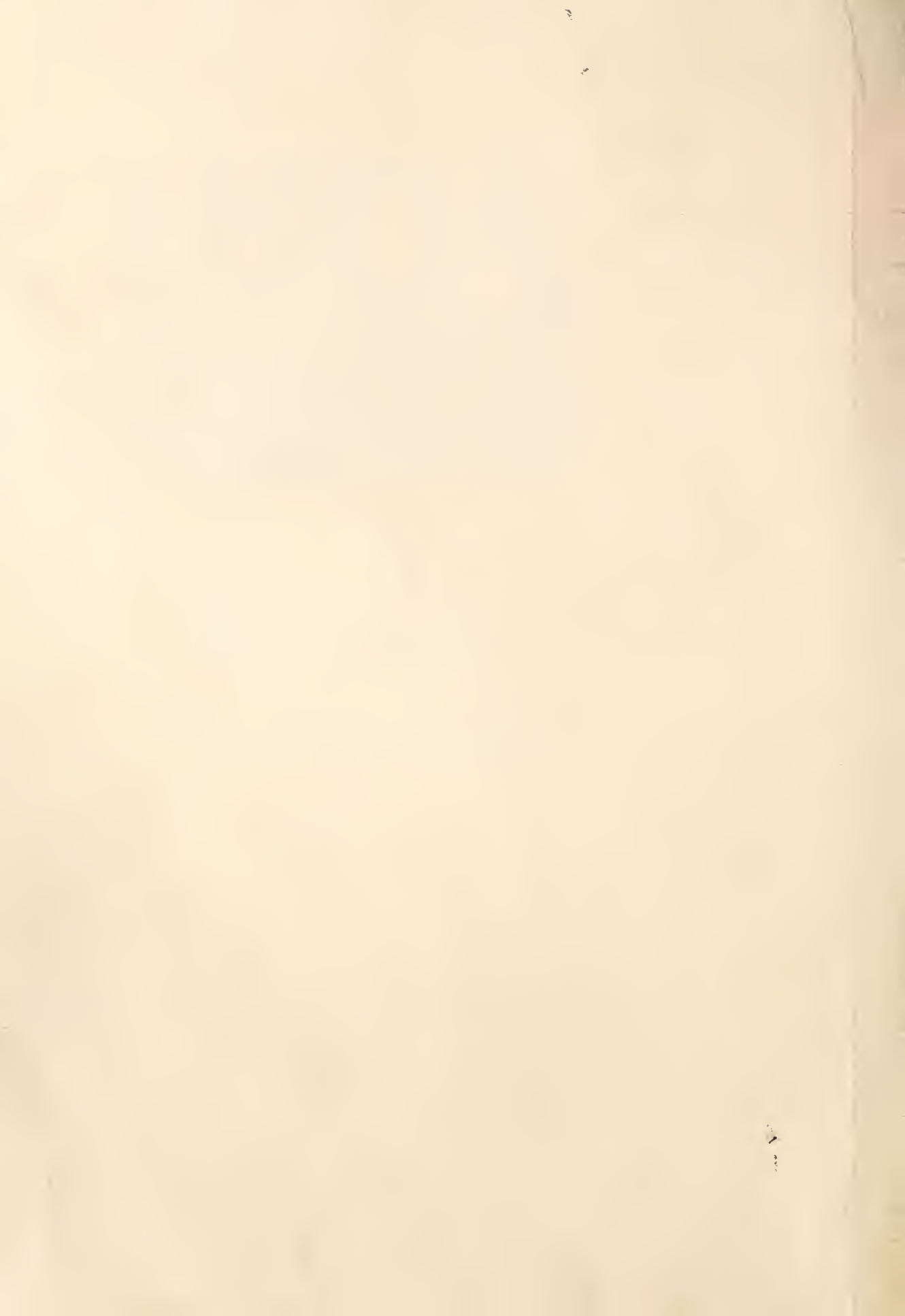


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1913

VICK'S WHITE PERFECTION
ASTER.
SEE NOVELTY PAGES

VICK'S

Garden and Floral Guide

PHLOX DRUMMONDI
VICK'S SEED FARMS



PANSIES
VICK'S SEED
FARMS

JAMES VICK'S SONS
ROCHESTER, N. Y.

VICK'S LATE
BRANCHING ASTER,
PEACH BLOSSOM,
SEE NOVELTY PAGES

THE FLOWER CITY



20,000 ASTERS

Our part in Rochester's Centennial Parade. The post card reproduced on this page shows Vick's float in the line of march, September 17, 1912, helping to celebrate the one hundredth anniversary of the founding of Rochester, N. Y., The Flower City. Our beautiful pink Aster "The Rochester" has been adopted as the official flower of the city, and ten thousand of its graceful blooms were used in the great basket on the rear of the float. Ten thousand more Asters were used for other decorations on the float and on the caparisons for the horses. The beauty of our work was so thoroughly enjoyed by the hundred thousand people on the line of march that we felt well repaid for growing a special lot of Asters for this occasion and for the labor of arranging the display.

SAFETY AND CONVENIENCE IN ORDERING BY MAIL

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.

A Post Office Money Order 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.—To be obtained at all offices of the American, United States, Adams, Pacific, National, Wells, Fargo & Co., and other Express Companies.

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

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

Registered Letter.—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 10 cents.

SUMS LESS THAN FIFTY CENTS may be forwarded by mail at our risk without registering, provided stamps are used.

Cash with Order.—It is necessary that each order be accompanied with the cash. We send no goods C. O. D. (collect on delivery). This rule is imperative.

Our Customers in Canada.—We do not pay duties, but pay the postage on Seeds, Bulbs, and Plants, purchased at retail catalogue prices, excepting when the price is given delivered at the Express or Railroad office here.

Free Delivery.—Unless otherwise noted in this catalogue, we will prepay the postage or express charges to any part of the United States and its possessions, and Canada, on all Vegetable and Flower Seeds, Plants, Bulbs, Shrubs, Roses and Small Fruits. We do not prepay charges on Ornamental Trees or Fruit Trees.

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. This applies to Seeds and Bulbs at Catalogue rates, and not on heavy seeds by the peck or bushel, or when especially noted, or to miscellaneous articles.

Special Notice to Our Customers. Express Companies have a special rate or discount on Seeds, Plants, Bulbs, Potatoes and Small Fruits. Refer Agent to "General Special Scale N." When packages are forwarded not prepaid, or at expense of purchaser, they are labeled with the following notice: "This package is carried under the general special pound rate which is at least 20% less than merchandise rates." See that your Local Agent secures for you this special rate.

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

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

Shipping Plants.—All orders for plants will be held until about April 1st. 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.

A REQUEST—SINCE ALL OUR MAIL PACKAGES ARE NOW CARRIED BY PARCEL POST, CUSTOMERS WHO WISH TO SEND STAMPS IN PAYMENT OF SMALL ORDERS WILL CONFER A FAVOR ON US BY SENDING **PARCEL POST STAMPS**, INSTEAD OF LETTER POSTAGE.



Trying to catch up with the demand for our Aster Seeds
 A part of our farm force just beginning to set a twenty acre field of Asters on our new "Alberta Farm". All told we had about fifty acres of Asters this year, surpassing all previous records for acreage of high grade varieties. But the demand for our Aster Seed has grown so rapidly, that we could dispose of 50 per cent. more than we have harvested. That means we must grow still more Asters another year.

The Most Important Page in Our Catalogue

WE sincerely believe we are doing careful up-to-date growers the best possible service, if we persuade them to secure their stocks of us, rather than purchase ordinary kinds which so often result in failure.

We are very proud of the past history of this concern, which for more than sixty years has played an important part in the seed and plant industry. We often refer to the popularity of the stocks handled by us in the past. That, however, is not the reason we ask any customer to purchase seeds of us to-day, but because of their inherent worth at this time, and because at no previous period have we ever had better stocks, or a more carefully trained, capable force of helpers in every department than now.

We call attention to one sentence in a recent government report which we reproduce here.

sand users of seeds, who have not heretofore tried "VICK QUALITY". Because of our better equipment and larger stocks we are planning this year to handle a much larger business than ever before, which accounts for our efforts to secure so many new customers. We want you to see that the cost of the seed is such a small part of the expense of a crop, that you cannot afford to buy anything but the best.

We have underscored a sentence, reproduced below, from a recent state report, the importance of which cannot be over emphasized.

The production of high grade seeds is accompanied with considerable expense. Furthermore, it is frequently the case that well-bred plants produce less seed than those which are poorly bred. Thus, where the grower is paid for quantity rather than quality of product he cannot be expected to put his best efforts into the production of well-bred seed. It is safe to predict that when the importance of well-bred seed becomes known, a demand will be made for it and the price charged will become a matter of secondary importance.

Therefore, Mr. Seed Buyer, if you agree with us, *that the best is always the cheapest*, you will be interested in a careful study of this catalogue. You will find numerous new varieties, which, after careful tests under all conditions, have been proved superior to other sorts. You will also find improved strains of many older kinds, which still remain the best of their classes; and if you will examine these pages carefully, we are confident that you will send us your order and thus increase the number of our "satisfied customers" to whom we have referred elsewhere.

Finally, a word about our catalogue. We have made many changes in an effort to make it better than ever. and we hope our customers will find it a pleasure to peruse these pages from cover to cover. To every reader we extend most cordial greetings and good wishes. Whether you expect to plant a small bed, a garden or a number of fields, we trust your efforts will be, in the words of one of our customers, "gloriously satisfactory"

ity of the seeds sold by man sent out by many of the houses selling a new firm or one without reputation to purchase a large of seeds, put them up in showy packets and boxes, and by means attractive prices. Some of them to local merchants either on commission or by sale outright. Mail-order houses, on the other hand, are dependent for their trade on proportionately few new customers each year, their business being based largely on the satisfactory quality of their seeds which purchasers have used in previous years.

Its truth is well illustrated by our business this past year. We did not have a salesman on our pay roll, or spend a dollar advertising either our retail department or our catalogues; in fact we did not try to increase our list of customers. And yet **OUR BUSINESS CONTINUED TO GROW**. Probably no other seed concern ever equalled such a record. We might fill our catalogue with testimonials, but what better argument could we use than this? The fact is, the name and fame of "VICK QUALITY SEEDS" steadily grows, because of that confidence referred to in this government report.

To our regular customers all of these arguments are unnecessary, because they KNOW, but it is our hope to secure the confidence of a hundred thou-

NOVELTIES AND SPECIALTIES



CABBAGE, COPENHAGEN MARKET

The Best Early Cabbage

Copenhagen Market. (Page 12). The large, solid heads are tender and fine grained. It is a thoroughbred variety, remarkably uniform in size and season, and every head marketable. Packet, 10 cents; $\frac{1}{4}$ ounce, 15 cents; ounce 50 cents; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

A Really Stringless Bean

Keeney's Stringless Refugee. (Page 8). There are a number of Beans that are "stringless" when the pods are young. **Keeney's Stringless Refugee** remains stringless until past condition for table use. A boon to housekeepers. It has the delicious sweetness of the old Late Refugee. Packet, 10 cents; $\frac{1}{2}$ pint, 25 cents; pint, 40 cents; quart, 65 cents.

Sweet Fennel

Giant Messina. (Page 23). Another good vegetable that has not been grown in American gardens. It is easily grown and we hope that many of our customers will give it a trial. The base of the leaf stalks enlarge to form a bulb-like growth on top of the ground. It will be found a pleasing addition to the list of summer vegetables. Packet, 10 cents.

A Vegetable of Merit

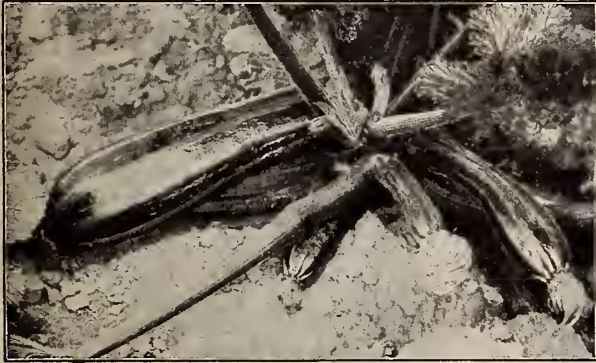
Leek, Monstrous Carentan. (Page 23). Our new strain of this valuable variety is a great improvement in size and quality. The blanched portion is white, waxy, tender and milder in flavor than the Onion. Packet, 15 cents.



LEEK, MONSTROUS CARENTAN

Parsley

Exquisite. (Page 31), is the most beautiful Parsley we have ever seen. Carefully selected for many years by one of the most skillful private gardeners of England, it has been brought to a high state of perfection. The plants are vigorous and the rich, dark green leaves are cut and crisped in a manner truly "Exquisite." Packet, 10 cents.



SUMMER ASPARAGUS

Summer Asparagus

The Summer Asparagus, introduced by us in 1912, is fully described on page 34. The name "Summer Asparagus" was applied to this vegetable on account of its resemblance in flavor to the ordinary garden Asparagus. The illustration shows the habit of growth, and the fruit at the extreme right shows the right stage for cutting. Packet, 15 cents.

Tomato

Vick's Improved Earliana. (Page 36). This valuable Tomato has been one of our specialties for several years. The seed we offer was grown on our farm and we know that it is right. Packet, 10 cents; half ounce, 25 cents; ounce, 40 cents; quarter pound, \$1.25; pound, \$4.00.

Sweet Corn

Vick's Golden Nugget. (Page 16). This delicious Sweet Corn should be in every garden. It has been one of our "leaders" for several years and has brought us many letters of commendation. We grow the seed on our own farm and we can guarantee its purity. Packet, 10 cents; half pint, 15 cents; pint, 25 cents; quart, 40 cents.



PEPPER, VICK'S GIANT RED

PEPPER

Vick's Giant Red Pepper. (Page 31). A valuable novelty. The plants are vigorous and extremely productive. In this respect it is a great improvement over other large fruited varieties. The fruit is of the largest size; it is a beautiful, brilliant red; it is sweet and mild; and it is tender and brittle, entirely free from woody fiber. Packet, 15 cents.

Muskmelon

Vick's Irondequoit Melon. (Page 24), should never be omitted from a list of our specialties. A worthy American divine once said of the Strawberry: "No doubt the Lord might have made a better berry than the Strawberry—but He never did." Anyone who has ever eaten a well-grown, well-ripened "Irondequoit" will agree with us that a better Melon has not, as yet, been created. Packet, 10 cents; half ounce, 30 cents; ounce, 50 cents; one quarter pound, \$2.00; pound, \$7.50.



MUSKMELON, VICK'S IRONDEQUOIT

THE LATEST AND BEST IN ASTERS

TEN GOOD NOVELTIES FOR 1913

WE are trying to raise the standard of American-grown Asters by offering new and better varieties in the place of those that are inferior. In two years we have added nearly thirty new names to our Aster pages, and the same number of older kinds have been dropped.



VICK'S LATE BRANCHING PEACH BLOSSOM

THREE NEW COLORS

Vick's Late Branching Peach Blossom. (See front cover and page 47). The form of the massive flower is well shown on the cover page. The color is a new shade of a deep lavender pink, that is extremely pleasing, but difficult to describe or reproduce. The stems are unusually strong and the flowers last well when cut. Packet, 25 cents.

Vick's Late Branching Claret. (Page 47). A new and interesting color of Branching, resembling the shade known as "Mulberry." Packet, 25 cents.

Vick's Dark Violet Mikado. (Page 51). A deep rich purple violet. A new and desirable color in this splendid class. Packet, 25 cents.

For all Asters in this Catalogue priced at
25 cents per Packet:

Any Two Packets,
of same Variety - \$.40

THE TOP NOTCH

The Highest Achievement in Asters

Vick's Lavender Rochester and Vick's Purple Rochester. (Page 51.) A few years ago we should not have believed it possible that such masses of shaggy bloom as we had on these two new "Rochesters" could be grown on an Aster plant, and especially under ordinary field conditions.

Vick's Lavender Rochester. Packet, 50 cents.

Vick's Purple Rochester. Packet, 50 cents.

A NEW TYPE

Vick's Perfection Asters. (See front cover and page 49). A charming new class of Asters in which the entire flower, when first opened, has a spiral twist, or "whorl." In the Blush Perfection a dainty tint of pink suffuses the flower.

Vick's White Perfection. Packet, 25 cents.

Vick's Blush Perfection. Packet, 25 cents.

THREE FINE UPRIGHT ASTERS

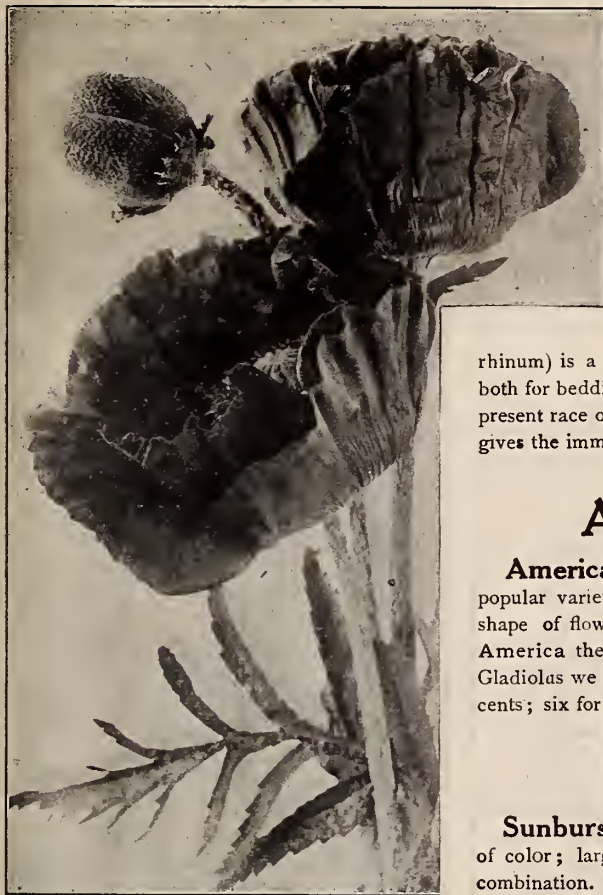
Vick's Upright Rochester. (Page 51) The plant forms a thick mass of green, which is, later, literally covered by the beautiful shaggy pink flowers. Packet, 25 cents.

Vick's Giant Daybreak. (Page 53). The petals that would ordinarily make two or three flowers are packed into one ball of soft pink. Packet, 25 cents.

Vick's Giant Truffaut, Rose color. (Page 53). A splendid upright plant with charming full double flowers of bright rose. Packet, 25 cents.

Pink Enchantress (1912)

A splendid light pink upright Aster, introduced by us in 1912. (Page 49). This is one of the new varieties that has come to stay. Larger in plant and flower than our Imperial class, and later in season. The soft, light pink color is ideal in delicacy and beauty. The variety is well established and has proved its value by a season's growth under widely varying conditions. Packet, 25 cents.



POPPY, EXCELSIOR HYBRIDS

NEW ORIENTAL POPPIES

Excelsior Hybrids. (Page 68). A splendid acquisition in hardy plants. The enormous flowers of the well-known Oriental Poppy, but coming in a great variety of dainty and beautiful shades, ranging from the most delicate salmon to deep crimson. Blooms in June. Packet, 25 cents.

GIANT SNAPDRAGON

Purple King. (Page 54). The Snapdragon (*Antirrhinum*) is a fine old-fashioned flower that is deservedly becoming very popular, both for bedding and cut flowers. **Purple King** is a great advance in size over the present race of "Giant Flowered Antirrhinums." The deep glowing purple color gives the immense spikes great decorative value. Packet, 25 cents.

A CHOICE GLADIOLUS

America. (Page 96). This beautiful light pink Gladiolus is now the most popular variety in cultivation. It is first class in every respect,—in color, size and shape of flower, and in plant and bulb. We grew a splendid stock of bulbs of **America** the last season. To encourage a more extended planting of this fine Gladiolus we are offering it at a very moderate price. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents. Postage prepaid.

NEW YELLOW ROSE

Sunburst. (Page 87.) Yellow and ever-blooming. Deep brilliant shades of color; large size; true tea form, and hardy, vigorous plants. A magnificent combination. Each, 25 cents; dozen, \$2.50.

THE BEST IN ZINNIAS

Dwarf Fire King. (Page 74). The compact plants are masses of rich scarlet. A splendid plant for bedding, blooming continuously until late autumn. Packet, 25 cents.

Giant-Flowering Isabella. (Page 74) Immense full double flowers of soft salmon yellow; a new shade in Zinnias. Packet, 25 cents.

TWO FINE NEW PANSIES

Giant Solfatara. (Page 65). Deep violet blue, bordered with delicate sulphur-yellow, or primrose color. Packet, 25 cents.

Giant Vulcan. (Page 65). Very striking. Center very dark, nearly black, bordered with deep rich red. Packet, 25 cents.



ZINNIA, DWARF FIRE KING

ASPARAGUS

As Asparagus seed germinates very slowly, it is advisable to pour hot water over it. When cool, pour off the water and treat it again with hot water. Sow seed quite early in spring, in a bed of light, rich, well-manured soil, in drills one foot apart and two inches deep. When the plants are well up, thin to about one inch apart. When the plants become withered, cut them down, and spread well-rotted stable manure two inches deep over the bed. Let the plants remain in the seedbed until they are about to grow, early in spring. The subsoil of the permanent bed should be dry, and if not so, it must be well drained. It should be dug thoroughly at least two and a half feet deep, and mixed with plenty of well rotted manure. For private garden use set the plants in rows two feet apart, and about a foot apart in the row, with crowns four inches below the surface, and spread the roots. For field culture the rows should be six feet apart and two feet apart in the rows. Before winter cover the transplanted beds with about four inches of manure, and fork it in the next spring, being careful not to injure the roots. In autumn, cut the ripe tops and burn the refuse. One pound of seed will produce plants sufficient for an acre, and one ounce of seed will sow a drill fifty feet long.

Vick's Mammoth Is without exception the largest, heaviest and best Asparagus grown.

A bunch of twelve stalks will weigh three to four pounds. In size, color, and yield, it far surpasses any other variety. The delicacy of its color notably distinguishes it from other green varieties, while its thick stalks are unusually tender and succulent and of delicious flavor. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Conover's Colossal. The old standard variety; of large size, rapid growth, and of best quality. Ounce, 5 cents; $\frac{1}{4}$ lb., 15 cents; lb., 50 cents.

Palmetto. Of Southern origin, but equally adapted for North or South. Early, large, productive, and of excellent quality. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Columbian Mammoth White. A variety, producing white stalks of large size and finest quality and flavor. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.



BRUSSELS SPROUTS

Asparagus Roots

By purchasing plants at least a year of time is saved. The young shoots may be cut for the table the second season. A bed 8 x 27 feet, requiring 100 plants will supply an ordinary family.

Vick's Mammoth.

STRONG TWO-YEAR ROOTS—100, by mail, prepaid, \$1.50. By express or freight, not prepaid, per 100, \$1.00; per 1000, \$6.00.

Conover's Colossal.

STRONG TWO-YEAR ROOTS—100, by mail, prepaid, \$1.25. By express or freight, not prepaid, per 100, 75 cents; per 1000, \$5.00.

Brussels Sprouts

Brussels Sprouts are hardier than cabbages, and the "sprouts," or little heads growing along the stem are considered the most delicately flavored vegetables of the entire Cabbage family. Grown in the same manner as winter Cabbage. The late crop is usually the most satisfactory. One ounce of seed will produce about 5,000 plants.

Improved Dwarf. Packet, 5 cents; oz., 25 cents; lb., \$2.50.

Asparagus Roots

Strong two-year-old from seed give the best satisfaction, producing an earlier and more abundant crop than either one or three-year old roots. Home grown Asparagus is superior in flavor and tenderness to that purchased at the market. After planting, the bed will last for years.



ASPARAGUS, VICK'S MAMMOTH

ARTICHOKE

The Globe Artichoke is cultivated for its flower heads, which are used in an undeveloped state, cooked like Asparagus. Plant seed early in spring, three inches apart, in rows one foot apart. When one year old, transplant to rows three feet apart and one foot apart in the row. Where the winters are severe protect the plants with leaves or dry litter, to keep the crowns from freezing.

Green Globe. Seed, packet, 10 cents; oz., 35 cents; lb., \$3.50.

Jerusalem. See Farm Seeds. See page 43.

BORECOLE OR KALE

A hardy plant of the Cabbage family, of easy culture, extensively grown for greens. Sow seed early in June and transplant. Culture same as for Cabbage. One ounce will sow 300 feet of drill.

Packet, 5 cents; oz., 10 cents; lb., \$1.00.

Tall Green Curled Scotch. Finely curled; very hardy; one of the best.

Dwarf Green Curled Scotch. Dwarf, beautifully curled, and bright green; hardy, and may be cut from the ground all the early part of winter.



BEANS



THE Dwarf Beans are earliest and most hardy, as a general rule. In garden culture Beans are usually planted about two inches deep, in rows eighteen inches apart, and three inches apart in the row; in field culture, in drills two to three feet apart, so as to cultivate with horse one way. Until blossoming season, frequent but shallow cultivation should be given. Seed of the large varietise should be planted with the eye downward. One quart of seed will be sufficient for 100 hills of Limas, and 250 to 300 hills of the other varieties, and for about 100 feet of drill. Sow one bushel per acre.

For prices on larger quantities, by express or freight, see page 39. Special prices to commercial growers on application.

Yellow or Wax-Pod Bush Beans

Brittle Wax. *Early, Productive, Tender, and of Extra Fine Quality.* Stringless and crisp. Pods round, a rich golden yellow, five or six inches long. In comparison with other varieties on our trial grounds, it has proved itself to be a superior sort. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.
(Illustration on page 9)

Wardwell's Kidney Wax. This variety is very hardy, extremely prolific, producing a heavy crop of long, flat pods, of a delicate waxy yellow, stringless and brittle. The beans are large, kidney-shaped, white, with dark markings about the eyes. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Rustless Golden Wax. *A strong grower, positively free from rust,* and of remarkable vigor. The pods are meaty and well filled, of fine quality, and stringless from first to last. With its fine quality, hardiness, productiveness, and freedom from rust, it has become a general favorite and a great improvement over Golden Wax. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents

Pencil-Pod Black Wax. Of recent introduction. Plants about fifteen inches high, when in bearing filled with long, round, handsome, golden yellow pods. Perfectly stringless, brittle, tender and mild in flavor when cooked. One of the best wax varieties. Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 50 cents.

Golden Wax. Pods long, broad, flat, golden-yellow, very fleshy and wax-like, stringless and brittle. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Prolific German Black Wax. An old sort but still retaining its place in the front, and in quality being exceedingly tender and crisp. In our estimation it is one of the best for the home garden. It is early and productive; pods long and round. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

"Sure-Crop" Stringless Wax. An absolutely stringless, rust-proof wax-pod bush bean. Pods seven to seven and a half inches long, about half an inch in diameter, and a beautiful rich yellow color. Plant hardy, extremely prolific—in fact it bears more freely than any variety of recent introduction. Just the bean for the family garden and on account of its size it will prove to be a ready seller on the market. Packet, 10 cents; ½ pint 20 cents; pint, 35 cents; quart, 60 cents.

Yosemite Mammoth Wax. The pods of this monster Wax Bean are often ten to fourteen inches in length, nearly all solid pulp, and absolutely stringless, cooking tender and delicious. The color of the pods is a rich golden yellow. The plants are extremely large, and should be planted twice as far apart as the ordinary Bush Beans. Packet, 10 cents; ½ pt., 25 cents; pt., 35 cents; qt., 60 cents.

Refugee Wax Tested on our trial grounds, with many other varieties, the Refugee Wax proved itself to be one of the very best of the wax-pod sorts. The plants produce an abundance of long, round wax-like pods, perfectly stringless, tender and of the finest quality. In color, the pods are a rich, creamy white. This variety is classed among the early sorts, coming into bearing about 40 days after planting and continuing in bearing for several weeks. It is certainly one of the best beans for either the home garden or market. Packet 10 cents; ½ pt., 20 cents; pt. 30 cents; qt., 50 cents.

Michigan White Wax. A bean of exceptional value on account of its earliness, vigorous growth and productiveness. The seed is clear white, for cooking cannot be excelled, and for a dried bean Michigan White Wax is the leader. We have great confidence in recommending this comparatively new sort, being assured from our own trial ground results that it cannot fail to give unlimited satisfaction to those preferring a white bean. May be cooked early in the pod, or later as dried beans. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.



Fisher Stringless Golden Wax

This splendid new Bean was developed by Mr. F. S. Fisher, for many years in charge of our seed farm and trial grounds. From a few bush plants found on our farm, among the Powell's Giant Pole, Mr. Fisher has, after several years of skillful breeding, produced a bush bean, having the immense wax pods of the pole Bean and greatly improved in quality. The beautiful golden yellow pods are very tender, of the finest flavor and perfectly stringless. The plant is vigorous, free from disease and productive. In season, it comes after other wax Beans are gone. This is one of the strongest features and will surely be appreciated by the market gardeners who grow for late market. Sold this year in packets only. Packet 20 cents.

Green Pod Bush Beans

Keeney's Stringless Refugee

This grand NEW sort introduced by Mr. Keeney, the Bean expert, is with out doubt the best green podded variety. After years of work and careful selection he has perfected a Bean having all the good points of the old-fashioned Refugee, differing only in the fact that it is perfectly stringless. It forms a strong, rank bush of many branches free from rust. Extremely hardy. Pods are long, round as a pencil; color light gray-green and stringless from start to finish. It is unusually productive. Packet, 10 cents; ½ pint, 25 cents; pint, 40 cents; quart, 65 cents.

Stringless Green Pod. The pods are absolutely stringless, full, fleshy, crisp, very tender, and of the finest flavor, remaining long in edible condition. Ready for the market two weeks earlier than Valentine, and very prolific. Too much cannot be said in favor of this most excellent Bean, which has become a general favorite among growers. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Full Measure. A new bush variety, popular on account of its wonderful yield and quality. Handsome long green, round pods, of the highest quality and perfectly stringless. It also remains in picking condition many days after maturing, a strong point in its favor, either for market or home garden. Packet, 10 cts.; ½ pt., 20 cts.; pt., 30 cts.; qt., 50 cts.

Giant Stringless Green-Pod. This is a distinct new cross-bred variety, possessing all the merits of the old favorite Round-Pod Valentine, but is more prolific; the pods are large, being five to six inches in length, and are absolutely stringless, unusually crisp, round, full, and fleshy; qualities which highly recommend it for home and market gardens. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Longfellow. A round, solid, very early, Green-Podded Bean. Good quality, being tender and crisp, also exceedingly prolific. One of the best for the home garden or market. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Extra Early Red Valentine. One of the most popular of the extra early green snap sorts. The pods are round, fleshy, and well filled with beans of excellent quality. Pkt., 10 cents; ½ pt., 15 cents; pt., 25 cents; qt., 45 cents.

Extra Early Refugee. One of the earliest of the green-podded sorts, being about two weeks earlier than the ordinary Refugee, while possessing all the superior qualities of that variety—straight, cylindrical, tender pods, of fine flavor and handsome appearance. Excellent for pickles. It is an enormous yielder, and sure cropper. Packet, 10 cents; ½ pt., 15 cents; pint, 25 cents; qt., 45 cents.

Bountiful. A new Green-Podded Bush variety that has come into prominence in the past few years, owing to its superior quality, earliness and productiveness. One great feature is that while it bears early, its pods remain in an edible condition for a long time. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Dwarf Horticultural. A standard New England sort. The pods are medium in length, cylindrical, curved, splashed with bright red on a yellowish ground. The beans are round and speckled. Pkt., 10 cents; ½ pt., 20 cents; pt., 30 cts; qt., 50 cents.

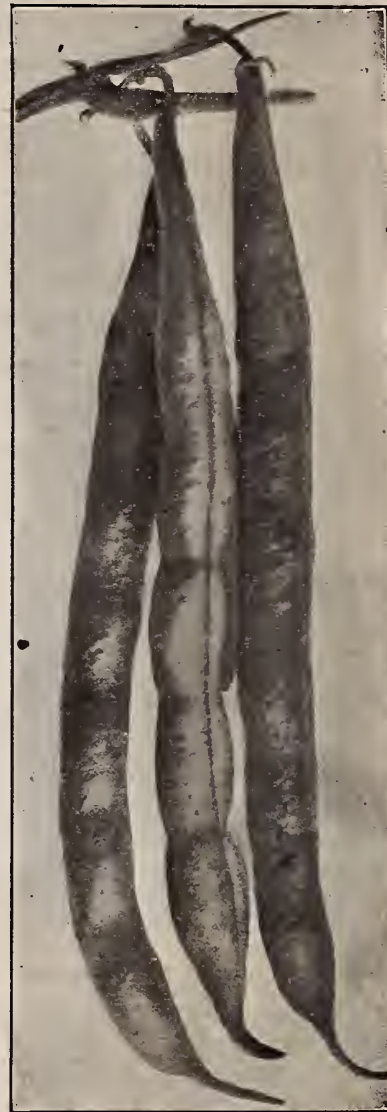
Long Yellow Six Weeks. A very early standard variety, much prized for its productiveness and excellent quality. The green pods are often eight inches long, tender and brittle. Pkt., 10 cts.; ½ pt., 20 cts.; pt., 35 cts.; qt., 50 cts.



NEW SURE-CROP
STRINGLESS WAX

The pods measure 7 to 7½ inches long, more than half an inch wide and nearly as thick.

Remember that unless otherwise noted we prepay postage on Beans, Corn, and Peas by the pint and quart



BRITTLE WAX BEAN

Dwarf Bush Lima Beans

Fordhook Bush Lima

Without Doubt the Best Dwarf Bush Lima

Earlier than the Pole Limas by ten days. Pods measuring from four to five inches in length, containing four to five large beans. The plants grow to a height of 20 to 30 inches; are strong and bushy, of a rich dark green color. Packet, 15 cents; ½ pt., 20 cents; pt., 35 cents; qt., 65 cents.

True Bush Lima (Burpee's.) The bush grows from eighteen to twenty-four inches high, branching freely, bearing from 50 to 200 large pods, well filled with delicious buttery beans. Plant in rows three feet apart, and thin to twelve or eighteen inches apart in the row. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Wood's New Prolific Bush Lima. A greatly improved strain of Henderson's Bush Lima, or Dwarf Sieva Bean. Equally as early and prolific, and produces much larger pods and beans. Being about two weeks earlier than the true Limas, it is very desirable for planting for an early supply, or in latitudes where the true Limas do not succeed well. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Improved Bush Lima (Dreer's, Kumerle, or Thorburn.) Similar to above. The beans in the pod grow close together, are very thick, and of superior flavor. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

FIELD BEANS

Large White Marrow. Extensively grown as a dry bean for winter use. The beans are large, clear white, cooking dry and mealy. ½ pint, 20 cts., pt., 30 cts.; qt., 50 cts. Per bushel, at expense of purchaser, \$4.50.

Red Kidney. A popular field sort, Hardy and heavy yielder. ½ pt., 20 cts.; pt., 30 cts.; qt., 50 cts. Bushel, \$4.50. Freight or express to be paid by purchaser.

White Kidney (Royal Dwarf). An excellent shell bean for use as a green bean in succotash, and one of the best for winter use; unsurpassed for baked beans. ½ pint, 20 cents; pt., 30 cents; qt., 50 cents. Bushel, at expense of purchaser, \$4.00.

Pole, or Running Beans

About the middle of May plant four to six beans around poles eight to ten feet high, setting poles four feet apart each way. Thin to three plants to a pole if the soil is rich.

Old Homestead (Kentucky Wonder). Earliest of the green Pole Beans and enormously productive. The pods, though large, cook tender, and are delicious. A most excellent snap variety. Packet, 10 cts.; $\frac{1}{2}$ pt., 20 cts.; pt., 30 cts.; qt., 50 cts.

Early Golden Cluster Wax. Vigorous and very productive; pods enormously large and long, flat, waxy yellow, tender, and of excellent quality. Packet, 10 cents; $\frac{1}{2}$ pt., 25 cents; pt., 35 cents; qt., 60 cents.

White Dutch Case-Knife. Good as a shell bean, either green or dry. One of the earliest and very productive. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

London Horticultural, or Speckled Cranberry (Wren's Egg.) Vines moderately vigorous; pods short, broad, pale green, but becoming streaked with bright red. Popular as a shelled bean, either green or dry. Many people prefer it to the Limas. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Scarlet Runner. An old favorite; used both as string and shelled beans. Vines strong, rapid growers, often used for ornamenting porches and trellises. Flowers brilliant scarlet. Blooms from early in summer until late in fall. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cts.; pt., 30 cts.; qt., 50 cts.

Siebert's Early Lima. An extra early Lima and extremely productive, remaining in bearing the whole season. The beans are nearly as large as those of Large White Lima, and of the best quality. Packet, 10 cts.; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents qt., 50 cts.

Extra Early Jersey Lima. Does not differ materially from other varieties of Lima Beans, except in earliness; in this it has the advantage of from ten days to two weeks over the Large White Lima. Packet, 10 cts.; $\frac{1}{2}$ pint, 20 cts.; pt., 30 cts.; qt., 50 cts.

Improved Lima (Dreer's). Early and productive. Vines very stout and vigorous. The pods are much thicker than those of the other Limas and contain from four to five large, thick, white beans, of the very best quality. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

"King of the Garden" Lima. A vigorous grower, requiring but two vines to each pole. Begins flowering early, at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Pods measure from five to eight inches, and contain five, six, and seven perfectly formed beans of superior edible quality. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Large White Lima. This old well-known sort needs no description. The green beans most tender and delicious, are a delight to all in summer, and the dried beans in winter are excellent. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.



TRUE BUSH LIMA



Refugee Wax

Page 7.

Beauty and high quality.

Keeney's Stringless Refugee

Page 8.

Delicious; productive; absolutely stringless.

BEAUTIFY THE HOME

When selecting seeds for the Vegetable Garden why not provide something permanent for the Lawn and Flower Garden? Look over the attractive list of hardy plants and bulbs, pages 76 to 84.

Some of these plants can be grown from seed; we offer a collection of seeds of perennials on page 45. There are beautiful Hardy Roses and Hardy Shrubs and Climbers, pages 83 to 87.

"Hardy Plants, Old and New," beautifully illustrated and giving cultural directions, mailed free on request.



B E E T S



FOR Beets the soil should be rich, mellow, and deep. For early use, sow in a hotbed, and transplant, cutting off the outer leaves. For main crop, sow as early as the ground can be worked, in drills about one inch deep and the rows about fifteen or eighteen inches apart, dropping the seeds about two inches apart, and pressing the soil firmly over them. When the young plants are two to three inches high, thin to five or six inches. For winter use, the turnip varieties may be sown the first week in June, and in October the roots can be stored in a cellar, covering them with sand to prevent shriveling; or they may be kept in pits out of doors. One ounce to fifty feet of drill; five pounds to an acre.

Crosby's Egyptian. A carefully selected strain of Egyptian, as early as the original, but larger, thicker, smoother, and of better quality. Flesh deep blood-red. It is a rapid grower, attaining a usable size quicker than any other variety, and does not become woody with age. Profitable in almost any soil and extremely satisfactory for the small gardener as well as for the market. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.35.

Extra Early Egyptian Blood Turnip. A standard sort; ten to twelve days earlier than the old Blood Turnip; fine for forcing and for first early crop out of doors. Roots rich, dark crimson, with very small tap roots; flesh dark blood-red, zoned with lighter shade; crisp, sweet and a desirable and profitable Beet for the market gardener, as well as an exceptionally good variety for the home garden. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.25.

Early Eclipse. This variety is exceedingly popular, and is one of the best early sorts. The tops are small, which admits of close planting. The roots are of a globular shape. Flesh fine-grained, very sweet, crisp, and tender; dark red, zoned with a lighter shade. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.35.



THE ROCHESTER

The Rochester. A perfect Beet in all respect; brilliant crimson in color, globe-shaped, with a very smooth skin, and an exceedingly small tap-root, fine-grained, sweet in flavor, and tender at all times. The foliage is small, admitting of close planting. Not only a market gardener's sort but one of the best for the kitchen garden, as it is extra early. Packet, 10 cents; ounce, 20 cents; ¼ pound, 50 cents; pound, \$1.40.

Arlington Favorite. A dark-leaved, early blood variety, closely following Eclipse in maturing, but of much darker color; perfectly round. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.25.

Detroit Dark Red. Roots medium in size, globular, and very smooth; skin a dark blood-red; flesh deep bright red, fine-grained tender, and sweet, remaining so long after many sorts become woody. Tops small, admitting of close planting. On account of its fine appearance it has been said to be particularly a market gardener's variety, but Detroit Dark Red is in every way a desirable Beet for home garden planting. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.35.

Early Bassano. A good early turnip Beet, tender and juicy. Flesh white and rose. Grows to a good size. Sown late, it keeps well in winter. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.25.

Edmand's Early Blood Turnip. A market gardener's strain; regular in shape, round, with very small tap-root; flesh a deep blood-red, sweet and tender. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.35.

Bastian's Early Blood Turnip. Tops small; roots turnip-shaped; flesh tender, blood-red color. A good second early variety. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.25.

Dewing's Improved Early Blood Turnip. Turnip-shaped, smooth, tender, and good. About ten days after Bassano. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.25.

Half-Long Blood Red. An entirely distinct variety. The roots are symmetrical, somewhat pear-shaped, smooth and handsome; flesh a rich dark red, and very sweet, never becoming woody. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.25.

Long Smooth Blood Red. Tops large, with good-sized long roots, tapering, and growing even with the surface; dark red; flesh very sweet and tender, remaining so when kept till spring. A popular winter sort. Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, \$1.25.



CROSBY'S EGYPTIAN

MANGEL WURZEL For Stock Feeding

Mangel Wurzel are of especial value to the stockman and dairyman. The roots are juicy, sweet and refreshing, act as a mild laxative, keep the cattle in good health, thus tending to produce flesh and increasing the flow of milk. The owner of even one or two cows should grow a sufficient quantity of Mangels to provide fresh food in winter when green food is unobtainable. For field culture the rows should be wide enough to admit the horse cultivator, and the roots not nearer than one foot in the row. Sow five or six pounds of seed to the acre.

TWO NEW MANGELS

Here are two improved varieties of Mangel, which have been worked up under the direction of the Danish Government. By careful selection they have secured Mangels which yield a larger tonnage of sugar and other food material than was ever before known. Tests show Sludstrup Barres and Danish Taaroje to yield a larger tonnage of food material than any other varieties. Both of these stocks come from a grower who was granted a First Class Certificate by the Danish Government for the high percentage of sugar and solids in his stocks of these varieties. Sludstrup Barres is the variety to sow on light, deep soil, while Danish Taaroje surpasses all other varieties where the soil is shallow.

Sludstrup Barres. Long reddish yellow, grows well above ground, easy to pull. It is considered by the Danish growers to be the best Mangel in the world. Ounce, 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Danish Taaroje. Has all the good points of the Sludstrup Barres, is more dwarf, ovoid or olive-shaped, golden yellow. Grows more above the surface and is used extensively on heavy soil. Ounce, 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Vick's Golden Giant The Reliable Variety for the Stock-man

Very productive. Root of magnificent size, growing with half its bulk above ground, making it easy to lift and gather. Root uniform in shape, with a smooth, russet yellow skin; flesh white, firm sweet, and greatly relished by cattle. An excellent keeper. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Vick's Mammoth Long Red This is truly a mammoth, a single root often weighing twenty to thirty pounds. Enormously productive, yielding, under favorable conditions, thirty to forty tons of roots per acre. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Golden Tankard. A distinct variety, particularly valuable on account of its richness in saccharine matter, and highly prized by dairymen for its milk-producing qualities. All stock will thrive on it. Deep yellow flesh and skin. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Champion Yellow, or Orange Globe. The best round Mangel. Keeps well for winter use. It is also valuable for growing in shallow soils. Ounce, 10 cents; $\frac{1}{4}$ lb., 15 cents; lb., 50 cents.

Red Globe. Similar to Yellow Globe except in color, which is a light red or pink. Ounce 10 cents, $\frac{1}{4}$ lb., 15 cents; lb., 50 cents.

Long Yellow. One of the best long sorts. Ounce, 10 cents; $\frac{1}{4}$ lb., 15 cents; lb., 50 cents.

SUGAR BEETS

When planted for a sugar crop, from six to eight pounds of seed will be required for an acre. Seed may be sown in drills twenty to thirty inches apart. When beets are up two or three inches high, they should be thinned out so as to stand from six to eight inches apart. Discontinue cultivation after formation of roots has commenced. The large amount of sugar contained in the Sugar Beet makes it much relished by stock, and desirable for fattening.

Klein Wanzleben Sugar. Is being cultivated in Germany almost exclusively for sugar, on account of its great yield of saccharine matter. It gives good returns in any ordinary soil. Ounce, 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Imperial White Sugar. One of the sweetest and best of Sugar Beets. Very productive and desirable for stock of all kinds. Ounce, 10 cents; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cts.

Vilmorin's Red-Top Sugar. Matures earlier than other varieties of Sugar Beet, and yields as good percentage of sugar. A heavy cropper, largely grown for cattle feeding. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb. 60 cents.

FOLIAGE BEETS—Swiss Chard

Used for Leaves and Leaf-Stalks Only

The Swiss Chard is cultivated exclusively for the leaves, which may be cooked like Spinach. Seed may be sown in April or May, in drills eighteen inches apart and an inch and a half deep. Thin the plants to ten or twelve inches apart and cultivate the same as for the common Red Beet.

Beck's Improved Sea Kale. A variety of Beet with tender leaves, popular for cooking as "greens," if sown at the same time as the garden Beet it will be fit for greens much earlier. The large leaves may be cut from time to time all summer. The middle of the leaf is cooked and served like Asparagus; the other portions used like Spinach. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

Large-Ribbed Scarlet Brazilian. Stems and veins a beautiful crimson color; fine for garnishing. Packet, 5 cents; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 75 cents.

Large-Ribbed Yellow Brazilian. Same as above, except in color, which is golden yellow. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Large-Ribbed Silver. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.



Mangel
Wurzel

Vick's
Golden
Giant

We pay the postage or express charges on all goods listed in this catalogue, unless otherwise noted. Most other seedsmen ask you to pay these charges.



CABBAGE



EARLY Cabbage is a most important crop for the gardener and trucker, while each year late varieties become more valuable to the man who has a small farm, producing a maximum income with a minimum of labor and expense. Realizing the importance of providing only the best varieties, we have given special attention to our stock of Cabbage seed, and we know that no varieties listed by any seed firm are more dependable in every way than ours. Plant the large varieties three feet apart; the small, early sorts, eighteen to two feet, setting the plants down to the first leaf. One ounce of seed will yield about 3,500 plants. If cabbages are troubled by insects, use Vick's Insect Exterminator—see page 101.



SELECTED EARLY JERSEY WAKEFIELD

Selected Early Jersey Wakefield

A Leading Early Variety, Popular for the Private Garden, and a Money-Maker for the Market-Man.

Our stock of this standard Cabbage is grown and selected with the greatest care, and can be relied upon both for vitality of seed and trueness to type. The heads are conical in shape, solid, and compact; the outer leaves are thick and heavy, which makes the Jersey Wakefield the best for wintering over and for very early setting. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50.

Charleston, or Large Wakefield. A strain of Wakefield in which the heads are decidedly larger and not so pointed, and about a week later. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50.

Early Winnigstadt. A distinct second early sort, and an old favorite for general cultivation. Being very hardy, it is less subject to wet or drouth, insects or disease. A sure-heading variety, giving entirely satisfactory crops. The heads are uniform in size, conical in shape, and very solid. It is valuable for early use, and on account of its solidity, and short, thick leaves, it also makes a good winter Cabbage. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$2.00.

20th Century *Earliest of all Cabbage For Garden use unexcelled*

This variety, introduced by ourselves in 1900, came to us from Denmark, the home of the famous Danish Ballhead Winter Cabbage, and is without exception the earliest Cabbage yet introduced. In the 20th Century we have the round shape like All Seasons and others, which is the preferable form. The heads are medium sized, and solid as a cannon ball. It grows more compactly than either Wakefield or Winnigstadt. Packet, 10 cents; oz., 40 cents; $\frac{1}{4}$ lb., \$1.10; lb., \$3.50.



COPENHAGEN MARKET

COPENHAGEN MARKET

THE BEST OF ALL EARLY CABBAGE

Stands Longer Without Bursting Than Other Early Sorts

It is with pleasure and confidence that we offer this new early Cabbage, knowing it will give perfect satisfaction wherever grown, both as to quality and yield. Everyone familiar with the Cabbage knows the old and popular Danish Ballhead, the best of all the late Cabbages. This new extra early variety, ripening with Charleston Wakefield, also originated in Denmark, and is as good, in its class, as the old favorite Danish Ballhead. The stem is short, the head round and solid. When ready for cutting, Copenhagen Market is the heaviest of the extra early varieties, and if left until fully mature, frequently weighs eight to ten pounds. The leaves are small, compact and close to the head so it will stand close planting. The inside is fine grained, tender, pure white and compact. Either for the home garden or market it is bound to become a leader. Packet, 10 cents; $\frac{1}{4}$ oz., 15 cents; ounce, 50 cents; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

Allhead Early. *Deep Flat Heads. Very uniform in size and color*

The earliest of all extra large Cabbages. The leaves are compact, so will stand close planting. A good keeper, desirable for both early fall or winter. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Volga. We consider this the most profitable Cabbage we have ever grown for a fall crop. The heads are extremely solid, large, round as a ball, of uniform size, and do not crack; few outer leaves and a short stem. Not only have we tested it on our trial farm, and found it in all respects an exponent of Vick Quality, but multitudes of growers proclaim its superiority. Packet, 10 cents; oz., 40 cents; $\frac{1}{4}$ lb., \$1.10; lb., \$3.50.



CABBAGE, IMPROVED AMERICAN SAVOY

Improved Early Summer. Matures about ten days later than the Jersey Wakefield. It is a large-heading variety, nearly round, somewhat flattened, solid and uniform in size, and will keep longer without bursting than most of the early sorts. Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., \$2.00.

All Seasons A very superior, sure-heading, long-keeping sort, unsurpassed by any other. The heads are large, nearly round, somewhat flattened, very solid, and in quality the best. Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., \$2.50.

Autumn King or World Beater. Grows to an enormous size, making heads as solid as a rock, and coming uniformly true to type. It can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, having few outer leaves. Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., \$2.00.

Hollander. A selection from the Danish Ballhead. The growing of the seed in this country has changed the type to a large flat head and shorter stem. It is preferred by some on account of its size. Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; ¼ lb., 85 cents; lb., \$3.00.

Selected Premium Late Flat Dutch. No introduction is necessary for this old, reliable, and popular Cabbage. It produces large, solid heads of superior quality, keeping in best condition for a long time. Packet, 5 cents; oz., 30 cents; ¼ lb., 85 cents; lb., \$3.00.

Vick's Improved Danish Ballhead *Heads Hard, Solid, Tender and Crisp. The Leading Late Sort*

No Cabbage of late introduction has attained such great popularity, or given such general satisfaction as Vick's Improved Danish Ballhead. It commands a higher price in the market than any other variety. It is remarkable for the solidity of its heads and long-keeping qualities. The heads are of medium size, with few outer leaves, admitting of close planting; exceedingly fine-grained, hardest of all, tender, crisp, solid, with no waste heart. Will average six pounds per head. Do not be deceived by substitutes. There is only one Improved Danish Ballhead Cabbage, and this we import direct from our original grower in Denmark. Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; ¼ lb., 85 cents; lb., \$3.00.

Vick's Short-Stemmed Early Danish Ballhead. A choice strain selected from the famous Danish Ballhead

Cabbage, that has become one of the best and most popular sorts both for home and market growing. The heads are very large; as round as balls and as solid as bullets. The interior leaves are pure white, crisp and tender. On account of their solidity, cabbages of this variety will outweigh those of any other variety of the same size. It is short-stemmed and as strong and vigorous as any other American variety. Fully two weeks earlier, and will keep and ship as well as Danish Ballhead. Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; ¼ lb., 85 cents; lb., \$3.00. The Danish Ballheads are particularly adapted to the Northern States, and do not reach perfection in the warmer southern climates.

To those growing for market we shall be pleased to quote special prices on large lots.

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. Packet, 5 cents; oz., 30 cents; ¼ lb., 85 cents; lb., \$3.00.

Improved American Savoy. The Savoy Cabbages deserve to be to be better known in America. They are superior to other Cabbages for cooking, having greater tenderness and delicacy of flavor. Improved American Savoy is the best of all either for market or kitchen garden, and a reliable header. The heads are large, solid, and possess a fine delicate flavor. The curled and crimped leaves are of a dark rich green color. Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., \$2.00.

Mammoth Rock Red. This is a fine red Cabbage and a most reliable header. The quality is excellent. The head is extra large, round, very solid, and of a deep red color. Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., \$2.00.

A NEW RED CABBAGE

Stonehead (Round Red). A new variety of Red Cabbage, full of good qualities. Hard almost as a rock. Rich dark red, large round heads, measuring eight inches in diameter, uniform in size. Fine quality, keeps well through the winter. Short-stemmed and compact in growth. The growers of Denmark have introduced a number of splendid varieties in the past few years. The Stonehead is one of the best. Packet, 10 cents; ¼ oz., 20 cents; ounce, 50 cents, ¼ lb., \$1.50; pound, \$5.00.

OTHER STANDARD VARIETIES OF CABBAGE.

| | | |
|---|-----------------------|----------|
| Early Blood Red. | Early Spring | Surthead |
| Fottler's Improved Brunswick. | | |
| Improved Succession | 'Large Late Drumhead. | |
| Packet, 5 cents; ounce, 20 cents; ¼ lb., 75 cents; pound, \$2.00. | | |

COLLARDS

This is a variety of Cabbage largely grown in the South, where it is extensively used for both table and stock. It forms a large, loose, open head or mass of leaves. Freezing does not injure it. Sow seeds in the South from January to May, and August to September.

'True Georgia. Packet, 5 cents; oz., 10 cents; lb., \$1.00.

You won't have to carry a book of instruction to the garden if you use Vick's Seeds—complete cultural directions are printed on every packet—and the directions as well as the seeds are reliable.



IMPROVED DANISH BALLHEAD

CARROTS For the Home and Market Garden

FOR garden culture, sow in drills sixteen to eighteen inches apart, covering the seed half an inch to an inch deep. For field culture, sow in drills from twenty to thirty inches apart, and when plants are one to two inches high thin out from three to eight inches apart in the rows, according to the variety. One ounce will sow 100 feet of drill; three to four pounds to an acre.

Earliest French Forcing. The earliest of all varieties, and especially adapted for cultivation under glass, both on account of its earliness and the shortness and small size of its roots. It is also one of the best sorts for the table; delicate, fine grained, and remarkably fine flavored. It is also used by gardeners for bunching for early market. Root orange-red. Top very small. Packet, 5 cents; ounce, 20 cents; $\frac{1}{4}$ pound, 65 cents; pound, \$2.25.

Early Scarlet Horn. This is a favorite for early crop, but not large; sold extensively in all markets bunching. The tops are small; roots top-shaped, stump-rooted, therefore easily pulled. Grows well in shallow soil. Packet, 5 cents; ounce, 20 cents; $\frac{1}{4}$ pound, 65 cents; pound, \$2.15.

Half-long Nantes Stump-rooted. Of medium size, admirably adapted for bunching, and one of the best for summer use in the home garden. Roots about six inches long, very smooth and cylindrical, with no core; very sweet and tender. Packet, 5 cents; ounce, 25 cents; $\frac{1}{2}$ pound, 70 cents; pound, \$2.35.

Chantenay Stump-rooted. One of the best early Carrots in cultivation. In shape it is midway between the Half-Long Nantes Stump-Rooted and the Guerande or Oxheart varieties, nearly equaling the former in length, and having the broad shoulder and tapering root of the latter. Its color is orange-red; the flesh crisp and tender. Early and a heavy cropper. A Carrot which market gardeners should plant for main crop. Packet, 5 cents; ounce, 20 cents; $\frac{1}{4}$ pound, 65 cents; pound, \$2.15.

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 be pulled by hand. Excellent for table use, as well as for stock. Roots are about six inches long, smooth and cylindrical; no core; sweet and tender. Packet, 5 cents; ounce, 25 cents; $\frac{1}{4}$ pound, 70 cents; pound, \$2.35.

Danvers Half-Long Orange. A first-class variety; flesh dark orange. The smooth, handsome roots are of medium length, tapering uniformly to a blunt point; flesh sweet, crisp and tender. A great favorite with market gardeners; also valuable for a field crop. Packet, 5 cents; ounce, 20 cents; $\frac{1}{4}$ pound, 65 cents; pound, \$2.25.

St. Valery Intermediate. One of the best and handsomest main-crop Carrots. The roots are symmetrical, tapering regularly from the shoulder to tip, smooth, and free from side roots. Enormously productive. Very desirable for private gardens, as well as for market. Packet, 5 cents; ounce, 20 cents; $\frac{1}{4}$ pound, 65 cents; pound, \$2.15.

Improved Long Orange. It grows to a large size, some specimens measuring twelve inches in length. Enormous crops can be grown under fair culture. One of the best varieties for feeding stock. Packet, 5 cents; ounce, 20 cents; $\frac{1}{4}$ pound, 65 cents; pound, \$2.15.

Improved Short White (Vosges). For a field Carrot this is unexcelled. The roots are short, very heavy at the shoulder, tapering to a point, and therefore easily harvested. Especially suited to shallow soils. Packet, 5 cents; ounce, 20 cents; $\frac{1}{4}$ pound, 65 cents; pound, \$2.15.

Belgian Carrots. The great stock-feeding Carrots of Europe. Grow to a large size. Very productive. Orange Belgian, White Belgian. Packet, 5 cents; ounce, 20 cents; $\frac{1}{4}$ pound, 65 cents; pound, \$2.15.

The Farmer and the Market Gardener will find Vick Quality Seeds reliable and true to name. If you are growing for market let us quote you a special price on the amount of seed you will require



CARROT, CHANTENAY STUMP-ROOTED
Illustration Natural Size

CIVES OR CHIVES

These are very hardy perennial plants, belonging to the Onion family. They are grown exclusively for their tops, which are used for giving a mild onion-like flavor to soups, stews, etc. Planted in clumps in any good garden soil, they grow readily, and increase so as to render a division necessary. The tops appear very early in spring, and can be cut throughout the season. Roots, per bunch, 25 cents, by mail, prepaid.

CORN SALAD—Fetticus

A favorite salad plant in Europe, used in winter and spring as a substitute for Lettuce. The leaves are sometimes boiled and served as Spinach. It is hardy and quick-growing. Sown in August and September, in drills one foot apart, and protected with a few leaves or straw during winter, it can be gathered very early in spring. Sown in April it is soon fit for use. The soil for Corn Salad should be very rich. Sow two ounces to 100 feet of drill. Packet, 5 cents; oz., 10 cents; lb., 60 cents.



CARROT, GUERANDE OR OXHEART



CELERY



CELERY, PARIS GOLDEN DWARF SELF-BLANCHING

If you are growing for market write for special prices on any seeds you may need.

Celery seed is slow to germinate, and when early plants are wanted it should be sown in a hotbed in February or March, barely covering the seed. When the plants are large enough, transplant into coldframes, one and a half inches apart; water and attend carefully; keep the temperature moderate; and when the weather is suitable, from middle of May till June, transplant into the open ground. For main crop, sow in shallow drills in the open ground, as soon as the soil can be worked. See that the bed is kept well watered. Rolling or pressing in the seed will give more satisfactory results than merely covering it. When the plants are two inches high, thin out to three inches apart in the rows; and when four inches high, cut off the tops to make the plants stocky. The best time to plant is that which will bring the plants to maturity during the cool, moist weather—in this locality from the middle of June to early in July. Never hoe or earth up in moist weather, nor when the plants are wet with dew, as it would cause serious injury. One ounce of seed will produce 4,000 to 5,000 plants.

Paris Golden Dwarf Self-Blanching

No Celery offered to the American people approaches this variety in quality, flavor, color or habit of growth.

Paris Golden Dwarf Self-Blanching forms a solid stalk, tender and crisp; the delicate cream-yellow color makes it attractive when offered for sale as well as inviting when on the table. The flavor is of the best—rich and nutty. In habit of growth it is dwarf, stocky, uniform in height, and very compact. This variety originated in France and our seed is grown by the originator, who ships it directly to us; it is absolutely reliable in every respect. Our special gardener's strain, packet, 20 cents; ½ oz., \$1.25; oz., \$2.00.

Rose-Ribbed Paris Self-Blanching. This magnificent sort comes to us from the originator, the grower of our market garden strain of Golden Self-Blanching, and resembles in general character that most valuable variety. The stalks are large, thick, and beautiful, tinted with rose color at the base, while the upper part of the stems, particularly the hearts, are a deep, rich yellow. Packet, 5 cents; one-half oz., 15 cents; oz., 25 cents.

Pink Plume. The red Celeries are of very fine quality, possessing a peculiarly rich nutty flavor. This variety possesses all these good qualities, while its delicate pink color gives it a handsome appearance. Packet, 5 cts., one-half oz., 15 cts., oz., 25 cts.

White Plume. A variety especially 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 tying up the stalks and drawing up the soil with the hoe, the work of blanching is complete; tender, crisp, and of good flavor. Packet, 10 cents; half oz., 30 cents.; oz., 50 cents.

Giant Pascal. This is a selection from the Golden Self-Blanching Celery. The stalks are very large, thick, solid, and crisp. It has a fine nutty flavor, and is free from any trace of bitterness. It blanches with but slight earthing up, retains its freshness a long time after being marketed. Packet, 10 cents; half oz., 20 cts.; oz., 35 cents.

Improved Golden Heart. A selection from the old favorite Golden Heart Celery. Grown extensively for private use as well as for market. Improved Golden Heart is one of the finest late varieties. The heart, when blanched is a rich golden yellow. Packet, 5 cents; half oz., 15 cents; oz., 25 cents; lb., \$2.25.

Winter Queen. A splendid new variety, having the long keeping qualities of the winter celery and blanching easily, like the Golden Self-Blanching. Hardy, vigorous and of fine quality. The stalks are rounder than those of Golden Self-Blanching and the hearts very large, creamy white, brittle and delicious. Packet, 10 cents; half oz., 15 cents; oz., 25 cents.

Turnip-Rooted (Celeriac) Large Smooth Prague. An improved form of the Turnip-rooted Celery. Roots large, round and smooth, and free from side roots; a profitable variety for market gardeners. Sow seed same as Celery, transplant into rows two feet apart and about six to eight inches in the row. No earthing up is required for Celeriac, as it is the roots which are the edible portion of the vegetable. Packet, 5 cents; half oz., 20 cents; oz., 35 cents.

Seeds for flavoring. Excellent. Ounce, 10 cents; lb., 40 cents.

SWEET CORN

Sweet Corn should not be planted very early in the season for it will not make any progress until the weather is warm, and the seed will be very apt to rot. Plant in hills, three feet apart for the earliest varieties, and three and a half to four feet for the late ones. One quart will plant 200 hills: 8 to 10 quarts for an acre in hills. For a succession use Cory, Vick's Golden Nugget, Stowell's Evergreen and Country Gentlemen.

Vick's Golden Nugget

The Most Popular Sweet Corn we have ever sold. Ripens only a few days after the White Cory.

Vick's Golden Nugget was introduced in 1892 and was received with great enthusiasm by our customers. During all these years it has been grown side by side with many other varieties and in every case it has widened its circle of friends.

Vick's Golden Nugget produces from two to four ears to a stalk. The ears are large, from one and a half to two inches in diameter, and fully seven inches long. There are twelve rows of plump, tender, sweet and milky kernels.

Vick's Golden Nugget is particularly attractive when cooked, showing a rich creamy color—and it tastes just as good as it looks, far excelling any other variety in quality and flavor.

Vick's Golden Nugget is grown on our own farm, cultivated with the idea of producing the very best corn obtainable; the seed is carefully cured and you may be sure it is right. You are not absolutely sure of getting Vick's Golden Nugget Sweet Corn unless you buy it of James Vick's Sons.

Packet, 10 cents; half pint, 15 cents; pint, 25 cents; quart, 40 cents.

First Early Varieties

Packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents; except as noted.

Vick's Earliest of All. This is in fact the "earliest of all." Very excellent, tender, and sweet. 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. Also desirable for home garden.

Mammoth White Cory. An excellent sort but little later than Earliest of All. In fact our selection of seed stock and careful growing of this strain make it the largest and best extra early in our list. The stalks are large, while each stalk bears two or more large, fine-shaped ears, twelve-rowed; remarkable for its good quality for so early a sort. All gardeners who cater to the best trade should plant this variety.

Early Minnesota. An old and popular dwarf variety. Ears fine, of good sweet quality. Desirable for both the market and private garden.

Extra Early Golden Bantam The Golden Bantam is early, very hardy and will stand planting earlier in the season than other varieties. It grows about four feet high, bearing one or two medium sized ears of a rich, golden, yellow color. When cooked is exceedingly sweet and tender. Next to Vick's Golden Nugget it is the ideal corn for the home garden. Packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 45 cents.

Kendel's Early Giant. This variety is one of the largest Early Sweet Corns. It comes in soon after the Cory. Ears eight to ten inches long, 12 to 18 rowed, filled well to the tip with broad white, sweet kernels of excellent flavor. Stalks short, bearing one or two ears. Packet, 10 cents; ½ pint, 15 cents; pint 25 cents; quart 40 cent..

Crosby's Early. Remarkably early and of best flavor. Ears medium size; twelve-rowed; sweet and thick. Largely grown for canning!



VICK'S GOLDEN NUGGET

Medium and Second Early

Packet 10 cents; $\frac{1}{2}$ pint, 15 cents; pint, 25 cents; quart, 40 cents; except as noted.

Perry's Hybrid Sugar. A very popular and remarkably long-eared sort for one so early. Ears ready for use a few days later than the Early Cory and Minnesota, but double the size of either. Ears twelve-rowed; kernels large, tender and deliciously sweet. Stalks of great vigor, about six feet high, with two perfect ears to the stalk.

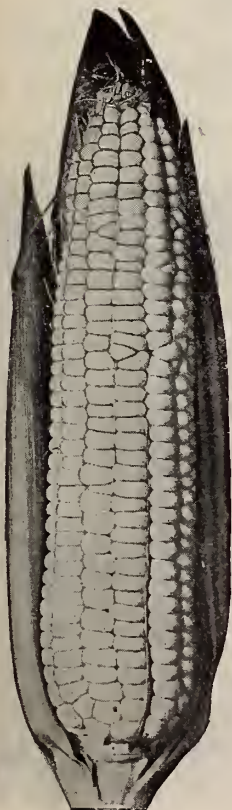
Early Evergreen. This fine variety is from ten to twelve days earlier than Stowell's; and though it is not quite as tall, it yields large, handsome ten or twelve-rowed ears.

Early Mammoth. The earliest, sweetest, and largest of the mammoth sweet varieties. Probably no no other Sweet Corn will yield as much fodder, and for this reason it is extensively planted, to be fed green or dry.

Potter's Excelsior (Squantum). A well-known sort, extensively grown for market and canning purposes; also used throughout New England in their famous clambakes. It is remarkably sweet, and wonderfully productive;

Stowell's Evergreen. For many years this variety has stood at the head of the list of late Sweet Corn, and it bids fair to hold the position for years to come. For main late crop, for the family garden, for the market grower and the canner, it is unexcelled. Stalks strong, bearing two 12-rowed ears with large sweet kernels. Remains in good condition for some time after gathering, thus continuing the season after frosts.

Black Mexican. The ripe grain of this novel variety is black or bluish black, but when in condition for the table looks remarkably white. This is considered the sweetest and most tender of any variety of Sweet Corn.



MAMMOTH WHITE CORN

You won't have to carry a book of instruction to the garden if you use Vick's Seeds—complete cultural directions are printed on every packet—and the directions as well as the seeds are reliable



COUNTRY GENTLEMAN

Country Gentleman. A delicious Corn for family use. The ears are good-sized and produced in great abundance. Its long, small, milky kernels are full of sweetness; the cob is small, and the corn white and tender; it is sure to please. It is somewhat later than Stowell's Evergreen.

Mammoth Late Sugar. Green ears of this variety have been exhibited weighing from two to three pounds. The sweetest and largest of all the mammoth sweet sorts. Valuable on account of its yield of stalks for fodder.

FIELD CORN

Eight to ten quarts per acre in hills; one bushel in drills; two bushels if sown broadcast, are required per acre.

Please add cost of bags when ordering. $\frac{1}{4}$ bu., 8 cents; $\frac{1}{2}$ bu., 10 cents; 1 bu., 12 cents; 2 bu., 22 cents. Corn by peck or bushel not prepaid.

GENESEE
VALLEY
CORN

Genesee Valley. A yellow eight-rowed Flint variety, originated through the crossing of the popular Longyellow with a choice local stock. The cob is white twelve to fifteen inches in length, and very slender. The grain is a golden yellow, large, and compactly set, covering both butt and tip. It is an exceedingly early, hardy, and productive variety, yielding on good land from eighty to one hundred bushels of shelled corn per acre. It is easy to husk, and the stalks make good fodder. We make a specialty of this variety, growing and selecting it on our farm. Quart, 30 cents; peck, 75 cents; bushel, \$2.50.

Drought-Proof Yellow Dent.

As its name implies will stand more hot, dry weather than any other variety and produce large crops. While it is desirable for all localities where Dent Corn is grown, it is doubly valuable for extreme warm climates. It is of strong growth, maturing in from 90 to 100 days. Ears large, unusually small cob, bright golden kernels. Try it and be convinced. Quart 30 cents; peck, 60 cents; bushel, \$2.00.

Iowa Gold Mine.

(Following is the description of the introducers of this valuable Dent Corn): It is early, ripening in 95 days. Can be planted in the Northern Corn Belt and compete successfully both in yield and maturity against Corn from locally grown seed. Ears are not extra large, but good size and symmetrical; color, bright golden yellow. Grain is very deep, cob small, and therefore dries out very quickly. Quart, 30 cents; peck, 60 cents; bushel, \$2.00.

Yellow Flint, Eight-Rowed.

New York State-grown. Valuable for the North on account of earliness and hardiness. Quart, 30 cents; peck, 60 cents; bushel, \$2.00.

Vick's Early Wonder White Dent.

Every good farmer knows that the Dent corns are more valuable for feeding than the Flint sorts. The Dent sorts contain more protein, and therefore are more desirable for feeding stock. One difficulty has been that most varieties are too late for the extreme north, but

Vick's New "Early Wonder White" Dent"

Overcomes this great objection. In 95 days from planting we have harvested an enormous crop of pure white ears that measured from seven to nine inches long. Early Wonder White Dent will grow on poorer soils than yellow corns and give a good stand of strong plants. It combines the hardness of the flint corns with the yielding qualities of the Dents, which fact makes it a profitable variety for either market or feeding purposes. Early Wonder White Dent shells easily and quickly, and as the cob is filled to the tip with large, deep kernels, it provides a large quantity of shelled corn per ear. Of all the famous Dent varieties this is easily a leader. One man writes: "I have never seen a poor crop." It has been grown for several years in the county where it originated and it is now very popular in that locality. It was first listed in a retail catalogue by James Vick's Sons, in 1912. We have grown Early Wonder White Dent on our own farms, near Rochester, for two years and we consider it the most profitable variety for this latitude, yielding the largest crops we have ever grown. **Quart, 40 cents, postpaid. Peck, 75 cents; bushel, \$2.50; bag of two bushels, \$4.50; freight or express not paid.**

Pride of the North. A sixteen-rowed Yellow Dent variety. Ears eight to ten inches in length; cob very small and red, with grain above medium size and closely set. It produces an enormous quantity of shelled corn to the amount of cob. Stalks six to eight feet, and frequently bearing two ears. An exceedingly early and prolific variety. **Quart, 30 cents, postage paid; Peck, 55 cents; bushel, \$1.75.**

Improved Leaming. Similar to above in every respect, but about one week later in maturing. A very desirable variety for fodder. **Quart, 30 cents, postage paid. Peck, 55 cents; bushel, \$1.75.**

Champion White Pearl. Early, thoroughbred White Dent. Ears average sixteen rows, with very small cob; ripens in 90 to 100 days from time of planting. Very productive, yielding fully as well as the Yellow Dent sorts. **Quart, 30 cents, postage paid. Peck, 55 cents; bushel, \$1.75.**

Early Mastodon. An improved Yellow Dent, large yield, large grains, and early ripening. It has the largest number of rows on a cob, and the largest grains of any Corn ever originated; brings a high price in the market, of medium height, grows rapidly, and ripens in 100 days. From 170 to 200 bushels per acre have been produced as far north as latitude 42° 30'. **Quart, 30 cents, postage paid. Peck, 55 cents; bushel, \$1.75.**

Golden Beauty. This grand Dent variety is of vigorous growth and immensely productive on rich soil. The ears are of perfect form, remarkable in size, filled to the tip with ten to fourteen rows of remarkably large bright golden grains. Cob very small for so large an ear. Ripens in from 110 to 120 days. Stalks ten to twelve feet in height, with abundant foliage. **Quart, 30 cents, postage paid. Peck, 65 cents; bushel, \$2.00.**

Improved Early Sheeptooh. (Fodder Corn). Earlier and better adapted for fodder and ensilage in the Northern States than the ordinary Southern Sheeptooh. The stalks are twelve to fourteen feet in height, and enormously productive. This improved sort is generally superseding all known varieties for ensilage purposes. **Peck, 40 cents; bushel, \$1.40.**

Sweet Fodder. There is nothing better for green feed, or for curing for winter, than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of rich milk. It is also excellent for soiling. Sow in drills, one and one-half bushels per acre; or broadcast double the quantity. **Peck, 55 cents; bushel, \$1.75.**

POPCORN

Shelled corn, packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents.

White Rice. The most popular for general use.

Queen's Golden. Pops creamy white.

Silver Lace. The best white-grained variety.

CHICORY

Sow Chicory seed as early in the spring as the ground can be worked, in drills half an inch deep and fifteen inches apart, and in mellow soil. The after-culture is the same as for Carrots. In the autumn the plants will be ready for blanching, when it is used as a salad. The dried roots are used as a substitute for and adulterant of coffee. One ounce is sufficient for 100 feet of drill.

Large-Rooted Long Magdeburg. Packet, 5 cents; ounce 10 cents; lb., \$1.00.



VICK'S EARLY WONDER WHITE DENT CORN

CAULIFLOWER

The Cauliflower delights in a rich soil and an abundance of water. Sow seed for an early summer crop in February or March, in a hotbed, and when plants are three or four inches high transplant four inches apart in boxes or frames. In the middle of spring, or as soon as the gardener deems it prudent, the plants can be removed to the open ground. Set plants from two to two and a half feet apart each way. For late Cauliflower sow seed in a cool, moist place, in this latitude about the first of May. One ounce will produce about 3,500 plants.

Vick's Ideal Unquestionably the leading variety for market and private use. *For reliability of heading and size and solidity of heads* it is superior to any other variety. It is sure to head, even under unfavorable circumstances, and will attain to enormous size under ordinary cultivation. Packet, 30 cents; $\frac{1}{4}$ oz., \$1.75; oz., \$5.00. These prices are net, from which no discount, or on which no premium will be allowed.

Vick's Danish Giant "DryWeather"

Its main feature is the fact that it will stand an unusual amount of dry or warm weather and still produce perfect, large, solid heads. In districts where heretofore it has been impossible to grow Cauliflower, this fine variety has proven a success. It is ready for market or table about a week later than Extra Early Erfurt. Packet, 25 cents; $\frac{1}{4}$ oz., \$1.00; oz., \$3.50.

Early Snowball. Next to our Ideal we can recommend the Snowball as one of the earliest and surest heading varieties. Its dwarf habit and short outer leaves allow it to be planted very close—eighteen to twenty inches apart. It is well adapted for forcing under glass throughout the winter and spring. It gives a pure snow-white, medium-sized head. Packet, 15 cents; $\frac{1}{4}$ ounce, 75 cents; oz., \$2.50.

Erfurt Earliest Dwarf. This variety will stand the test with any extra early sort. It is very dwarf in habit, producing pure white heads of great solidity and finest quality; quite desirable for forcing or for planting in open ground. For a general all-round market garden variety we can highly recommend the Erfurt strain. Packet, 15 cents; $\frac{1}{4}$ oz., 75 cents; oz., \$2.50.

Early Paris, or Nonpareil. This is a well known standard French variety, producing very early, good-sized, pure white heads, which are tender and delicious. Packet, 10 cts.; $\frac{1}{2}$ oz. 40 cts.; oz., 75 cts.; $\frac{1}{4}$ lb. \$2.50.

Veitch's Autumn Giant. A distinct and valuable late variety for the South, producing large heads, pure white, firm, and compact; and being thoroughly protected by the foliage, remains a long time fit for use. Packet, 5 cents; oz., 40 cents; $\frac{1}{4}$ lb., \$1.25.

Large Late Algiers. One of the best late sorts for the South, grown largely for fall use. It is a sure header, and endures uninjured a freeze that would materially affect other sorts. Packet, 10 cents; oz., 75 cents; $\frac{1}{4}$ lb., \$2.00.

CRESS—Peppergrass

Cress should be sown in a hotbed 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.

Packet, 5 cents; oz., 15 cents; lb., 75 cents;
except where noted.

Fine Curled. Superior; will bear cutting several times.

Broad-Leaved Garden. Sometimes used for soups.

Australian. Leaves delicate green; flavor mild and fine.

Water. Does well without care in mucky situations, or on the edge of streams, in shallow water. Packet, 10 cents; oz., 30 cents; lb., \$3.00.

DANDELION

Sow as early in spring as the weather will permit, in well-enriched soil, in rows eighteen inches apart, covering the seed one-fourth of an inch deep. Thin the plants to twelve inches apart. Keep clear of weeds, and the following spring the leaves will be fit to cut. One ounce is sufficient for 100 feet of drill.

Improved Thick-Leaved. Leaves thicker than Arlington and not so finely curled. Packet, 10 cents; oz., 50 cents.

Common. Packet, 5 cents; oz., 25 cents.

HORSE RADISH

Horse Radish is grown from pieces of the roots. Mark off rows two and a half feet apart, in rich, moist, well prepared ground; set the pieces of roots eighteen inches apart in the rows, the small end down, and the top, one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep the weeds down.

Roots, 3 for 10 cents; per doz. 25 cents, postpaid. By freight or express at purchaser's expense, 75 cents per 100.



VICK'S IDEAL CAULIFLOWER

Twelve Cucumbers

We have tested these twelve varieties on our trial grounds with many others; we have had the opinion of customers, and we believe they are far ahead of others for Home and Market Gardens

In this latitude it is useless to plant in open ground until nearly the first of June. Make hills two feet in diameter and about six feet apart, and enrich them with well-rotted manure. 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. One ounce for fifty hills; two pounds per acre when planted in hills.

Packet, 5 cents; ounce, 10 cents; $\frac{1}{4}$ pound, 35 cents; pound, \$1.25; except as noted

Vick' Early Perfection White Spine

It excels in earliness, and is one of the best for either the home garden or forcing; also extensively grown for pickles. This most valuable strain is grown from stock seed, produced on our own farm, our selections being made from the choicest and most perfect fruits only. Packet 10 cts.; oz. 20 cts.; lb., \$1.50.

Vick's Improved Early White Spine

Very popular in all sections of the country. Flesh tender and crisp; uniform in size, straight and dark green with few white spines.

Early Green Cluster. A short pale green variety. Fruit borne in clusters near the root; rather prickly; containing few seeds. A productive sort, and very satisfactory for pickles.

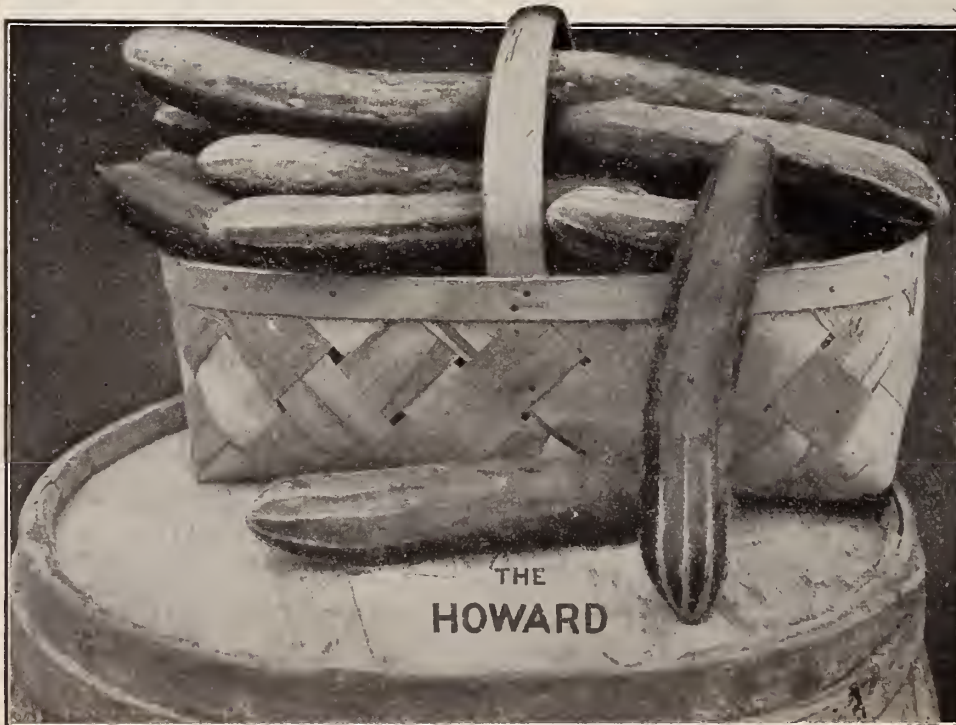


VICK'S EARLY PERFECTION WHITE SPINE

A dozen unrivaled in Quality Form and Productiveness. Best for Table or Pickling.

Chicago or Westerfield Pickling. Fruit medium length, pointed at each end, with large and prominent spines; color a deep green. It combines all the good qualities of an early cucumber, and is much esteemed by Chicago market gardeners, and grown extensively for the large pickling establishments in that vicinity.

Green Prolific or Boston Pickling. A distinct variety. A favorite with pickle growers and commercial gardeners, and good for table use. Quite productive. Fruit small, uniform in size.



The Howard

A handsome and very productive forcing variety, making fruit of the finest quality and shape, with exceedingly small seed cavity. It is also an extra fine open ground variety, combining the good qualities of Improved Long Green with the fine shape and color of the White Spine; in fact it is a cross between these two excellent varieties, and is used for forcing by our Rochester market gardeners, on account of its earliness, size, and rich dark green color. Packet, 10 cents; $\frac{1}{2}$ oz., 20 cents; oz., 35 cents; $\frac{1}{4}$ lb., \$1.25

Early Frame or Short Green. An excellent sort both for table use and for pickling. Fruit straight, handsome, smaller at each end, bright green, flesh tender and crisp, and makes fine pickles.

Thorburn's Everbearing. Small size, very early, and enormously productive, and valuable as a green pickler. It continues to flower and produce fruit until killed by frost, whether the cucumbers are picked off or not. Remarkably solid, with very few seeds, and of fine quality. Invariably of perfect form, even when small. Packet, 5 cents; oz., 15 cents; lb., \$1.25.

CUCUMBERS—Continued

COOL AND CRISP CUCUMBER

Cool and Crisp. A strain of the White Spine, but longer and more cylindrical. Very early and exceedingly prolific. While it is esteemed most highly as a pickling sort, it is one of the very best for slicing, being tender, crisp, and of fine flavor.

Early Russian. Earliest and hardiest small Cucumber in cultivation being only three to four inches long; thick and oval in shape, and produced in pairs. Solid, with few seeds.



IMPROVED LONG GREEN CUCUMBER

Improved Long Green. A well-known standard variety about twelve inches in length, of most excellent quality, and when young makes the best of pickles. When ripe it is the best of any for sweet pickles. Vines vigorous and very productive. Our strain of this valuable sort is unsurpassed by any, being carefully selected from the best fruits.

EGG PLANT

Those who have no hotbeds can sow a few seeds in boxes in the house where a temperature of 75° can be maintained. Plant out early in June two and a half feet apart. One ounce will produce about 1,500 plants.

Black Beauty. Distinct and fine. The fruit is quite as large as Improved N. Y. Purple, and from ten days to two weeks earlier than that variety. It is very attractive in appearance, and of excellent flavor. Packet, 10 cents; ½ oz., 25 cents; oz., 40 cents; ¼ lb., \$1.10; lb., \$4.00.

Improved New York Purple, Spineless. The standard for home use and market. Fruit very large, productive, and of the highest quality. Packet, 10 cts.; ½ oz., 25 cents; oz., 40 cents; ¼ lb., \$1.25; lb., \$4.00.

Early Long Purple. Cylindrical, eight or nine inches long. Earlier, hardier, and more prolific than the larger kinds. Packet, 5 cents; oz., 20 cents; lb., \$2.00.



EGG PLANT, IMPROVED NEW YORK PURPLE SPINELESS



VICK'S LEMON CUCUMBER

Vick's Lemon Cucumber

A Novelty of Merit Tried and True

The Lemon Cucumber is nearly round, with yellow and green markings and smooth skin similar to the Lemon. The flesh is tender, crisp, and possesses a sweetness and flavor surpassing all other Cucumbers. The fruits are from two and a half to three inches in diameter, and very attractive in appearance. For pickling, either when green or ripe, they are unexcelled. They should be used for the table just as the fruits are turning yellow. Customers who grow the Lemon Cucumber say they prefer it for quality and productiveness to any other variety.

Packet, 10 cents; ounce, 25 cents.

Foreign Cucumbers

Used chiefly by Market Gardeners

Japanese Climbing. A strong and vigorous grower; and while all Cucumbers are running or creeping vines, this variety attains nearly twice the length of ordinary sorts, and can be grown on trellises, fences, or poles. The fruit is from ten to twelve inches in length and of excellent quality either for slicing or pickling. Packet, 10 cents; oz., 20 cents; lb., \$2.00.

Rollison's Telegraph. The very best of all imported sorts; twenty-six to thirty inches long. Packet, 25 cents.

Noa's Forcing. Most productive sort; thirty to thirty-six inches long. Packet, 25 cents.



LETTUCE



This photograph shows a field of **BIG BOSTON LETTUCE** grown from our Seed by N. J. GOULD, Albion, N. Y.

SOW in the open ground as early as possible, barely covering the seed. If the hotbed is used, let it be started quite early. Give but little heat and plenty of water and air on fine days. Let plants be about four inches apart in the bed. As they increase in size thin them out, or they will become weak. One-half ounce will sow 100 feet of drill.

Packets, 5 cents; oz., 15 cents; $\frac{1}{4}$ oz., 35 cents; lb., \$1.25, unless otherwise noted. Market growers are invited to ask for special prices.

Cabbage or Heading Varieties

BIG BOSTON Vick's Special or Selected

Strain. The outer leaves are a rich green, crisp and tender, and the center of the head a beautiful butter-yellow and white, very fine grained, and packed as close as a cabbage. **Big Boston** is more extensively used for market than any other variety, many acres being grown in the vicinity of Rochester alone. Plants are sure headers, and stand a long time before seeding. The seed we offer is saved from selected and perfect plants only. Packet, 10 cents; ounce, 25 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Vick's Premium Cabbage. An old favorite, excellent for all uses and seasons. Heads well; remaining in good condition without going to seed for a long time. Heads medium to large. Color bright green.

Vick's Royal. A fine variety, largely used in the Paris markets. The seed we offer comes direct from the originator. It produces a medium-sized head of a beautiful golden color, crisp and tender. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

The Heene. Originated near Rochester, and is used extensively by our market gardeners for forcing under glass and for early spring planting out-of-doors. The color is a rich, bright green. It forms good sized heads very quickly, and for this reason can be marketed weeks before

the Boston Forcing and other popular market sorts. It is extremely hardy and does not burn, nor blight in any way. We are pleased to offer this excellent variety, knowing that it will give perfect satisfaction wherever grown. Packet, 10 cents; oz., 30 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Cooper. Named after one of Rochester's leading market gardeners. It is sown in the fall and the young plants covered with stable litter just before the first hard freeze. In the spring the covering is removed. It soon forms large compact heads, *even better* than the hot-house grown. This variety is equally as good for spring and summer sowing. Packet, 10 cts.; oz., 25 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Crisp as Ice. A splendid and distinct Cabbage Lettuce, well adapted for family and home market use. The heads are of large size, handsome shape, and solid. When cut open they have a rich creamy yellow heart, and are so tender and brittle as to warrant the name, "Crisp as Ice." The leaves are thick and glossy, handsomely crimped and curled, the outside variegated with dark bronze and green.

Golden Queen. A fine early head Lettuce, and one of the best sorts for early outdoor planting as well as for growing under glass. The color is a beautiful golden yellow. The heads are so solid that there is no waste whatever, and really contain more substance than many varieties showing double the size. Packet, 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.50.

Imperial White Cabbage. A splendid variety; excellent for family use and market. It is one of the very best for growing out-of-doors, as it withstands summer heat well, and remains a long time in the head. Heads large and extremely solid, of a light green color; very crisp, tender, and of first rate quality. In our estimation it is the best summer lettuce in cultivation. It is shipped to eastern markets in large quantities.

Lettuce, Heading Varieties continued

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 35 cents; lb., \$1.25; unless otherwise noted.

Tennis Ball, or Boston Market. A well known forcing variety. One of the earliest and best heading sorts.

Improved Hanson. A standard summer Lettuce; none more reliable for out-door cultivation. The heads grow to a remarkable size, and are very solid. The outer leaves are a bright green, while the inner head presents a white appearance, as though blanched; tender and crisp, and free from any unpleasant bitter taste. It is slow to seed, and is an ideal Summer Lettuce.

May King. A new variety highly recommended. Medium-sized round solid heads, light green in color, as plants develop turn to a rich golden yellow; fine, buttery flavor. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Salamander or Satisfaction. Forms large, solid, compact heads, resisting summer heat and remaining long in head. Leaves smooth, thick, and very tender; the inner head blanching almost white. An excellent spring, summer, or fall variety. Invaluable in the Southern States.

Curled or Loose-Leaf Varieties

Grand Rapids Forcing. There is no better forcing variety among the curled-leaved sorts than the Grand Rapids, and it is quite as good for outdoor culture as other sorts. Large, beautiful leaves, very crisp and tender. Frequently a house full of this Lettuce will average one half pound to a plant.

Black-Seeded Simpson. The most popular sort of all the non-heading varieties. One of the best for use under glass as well as for early outdoor planting. The plants form large, loose heads; outer leaves a light, yellowish green, with inner leaves blanching almost white. Resists the heat and remains long in a good edible condition.

Early Curled Simpson (Silesia). Forms a close compact mass of leaves that are large and broad, crimped and blistered, and light green in color. Not desirable for forcing with bottom heat. It is however recommended for planting in cold frames, and extensively grown in the open.

Prize Head. Is very large; stained with red; outer leaves curled; very crisp and tender; slow in running to seed.

Other Standard Varieties of Lettuce: Deacon. Denver Market.



PARIS WHITE COS LETTUCE

ENDIVE

Endive is an excellent autumn and winter salad. Sow seed late in the spring or even as late as July, in shallow drills, fifteen inches apart, and when plants are strong, thin out to about a foot apart. To blanch, gather up the outer leaves over the center of the plant, and tie them together at their tips. Sow one ounce to 100 feet of drill.

Packet, 5 cents; oz., 10 cents; lb., \$1.25.

Moss Curled. Foliage very dense and beautifully fringed.

Green Curled. The hardest variety. Leaves dark green, finely cut; easily blanched to a fine white.

White Curled. Foliage somewhat coarser than the Green Curled, moderately dense, pale green.

Broad-Leaved Batavian. (Escarolle.) Leaves broad, thick, somewhat wrinkled.

Cos or Romaine Lettuce**Paris White Cos**

The Cos Lettuces are quite distinct, and are popular on account of their tender crisp leaves and delicious flavor. The leaves are long and narrow, and need to be tied up, when they soon form solid heads, and bleach snow white.

Packet, 5 cents;

oz., 15 cents; $\frac{1}{4}$ lb.;

35 cents; lb. \$1.25.



LETTUCE, MAY KING

FENNEL

To those who are looking for "something different" we commend a trial of the giant Sweet Fennel. It is an easily cultivated annual, maturing quickly from seed sowed in spring. The thickened bases of the leaf-stalks form a bulb-like growth, which is blanched by earthing up like celery. It is cooked in various ways and will be found a pleasing addition to the vegetable list.

Giant Messina. Packet, 10 cents.

KOHL RABI

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. Gather when small and tender, as later it becomes tough and stringy. The stem, just above the surface of the ground, swells into a bulb something like a Turnip. One ounce will sow 200 feet of drill.

Early White Vienna. Delicate; much prized for forcing. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Early Purple Vienna. Another forcing variety, similar to above except in color. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Large Early White or Green. Used for feeding stock. Packet, 5 cents; oz., 20 cents; lb., \$1.50.

LEEK

The Leek is a mild onion-like plant that should be better known. The long, blanched necks are milder and more tender than the onion. The green tops are esteemed superior to the onion for flavoring soups, etc., their strong odor disappearing in cooking. Sow as for onion.

Monstrous Carenton. A new and valuable strain of this superior Leek; of extra large size, easily blanched and of the finest quality. Packet, 15 cents. (See cut, page 2.)

Broad Flag. An old favorite. Large, hardy, and productive. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

Musselburg. The largest variety. Hardy. Flavor very mild. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

MUSHROOMS

Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at 50° to 60°. If the temperature is right, in six or eight weeks you may expect the first crop of Mushrooms. One Brick of spawn is enough for a bed 3x3 feet. Directions for preparing the beds will be sent with each order.

"New Culture" Spawn. Positively fresh, pure virgin spawn. The material from which these bricks are made is "spawned" directly from heavy, meaty mushrooms. Bricks, 30 cents each, postpaid. Eight bricks, \$1.00, by express, charges not prepaid.

English Spawn. Bricks, 25 cents each, postpaid. Eight bricks \$1.00, by express, charges not paid.

For books on Mushroom growing see page 39.

MUSKMELONS

can be successfully grown in a much larger territory than the Water-melons, They do not require so long a season for maturing their fruit as the warm, sandy soil of the Water-melon. They can be grown in colder and heavier soils with but little manuring, which should be placed in each hill. The hills should be six feet apart. Do not plant until the ground has become warm and dry. One ounce will plant fifty hills. Two pounds are sufficient for an acre, when planted in hills.

Packet 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents, lb., \$1.25 except as noted.

SMALL VARIETIES

Rocky Ford. This is the most popular of the small Melons being extensively grown and shipped in car-loads for the markets. It is one of the finest early Melons, and one of the best for market gardeners and shippers as well as for the home garden. It is oval in shape, slightly ribbed, and covered with a coarse netting. The flesh is thick, green in color, very sweet and juicy, and solid clear to the rind.

Emerald Gem. The fruit of this really pretty Melon is small to medium, globular in form, flattened at the blossom and stem ends; skin smooth and slightly ribbed. It shows a rich emerald green color with narrow stripes of light green in the ribs. Flesh very thick, ripening close to the rind, of a deep rich, salmon color, deliciously flavored and of superior quality. The fruit should be picked as soon as it will separate readily from the vine, and kept in a cool place until needed. If left on the vine the skin becomes yellow, and the flesh soft and tasteless.

Paul Rose or Petosky. This sort has given perfect satisfaction to all growers, both for market and home garden. It is a cross between the Osage and the Netted Gem, combining the sweetness of the former with the fine gray netting of the latter, making it a handsome Melon. The flesh is thick and firm, a deep salmon or orange color; most delicious and appetizing.

Jenny Lind. This is one of the oldest varieties of Muskmelon. The fruit is small and round, flat on both ends, deeply lobed, and finely netted. The flesh is green and luscious. It comes into market first of all.

MEDIUM-SIZED VARIETIES

Vick's Prolific Nutmeg. The vines are hardy and vigorous. Fruit medium size, round, slightly flattened at both ends, ribbed, with distinct netting; flesh green, thick, solid, and of delicious, spicy flavor.

Osage, or Miller's Cream. A remarkably fine variety, and a very profitable sort for market gardeners. It is of medium size, oval in form, dark green in color, handsomely netted, and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color, highly flavored and delicious to the rind. Cavity very small. Good keeper and shipper.

LARGE VARIETIES

Extra Early Hackensack. This is a very popular sort, producing large, handsome, and extra early Melons of best quality. Fruit nearly round, deeply ribbed, and very coarsely netted. The flesh is green, of most delicious flavor. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 45 cents; lb., \$1.50.

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. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 45 cents; lb., \$1.50.

OTHER STANDARD VARIETIES OF MUSKMELON

Champion Market

Large Hackensack

Surprise

Vick's Irondequoit Muskmelon

Color. The flesh is a beautiful dark orange, and the closely-netted skin is pale yellow when ripe, giving it a most attractive appearance when exposed for sale or when cut for the table.

Size. The fruit is unusually large, in fact it is one of the largest varieties grown.

Shape. The shape is well shown in the illustration. The melons are distinctly ribbed and beautifully netted. The flesh is solid and very thick, having but a small seed cavity.

Flavor. The flavor of a well ripened "Irondequoit" is delicious, sweet, rich, spicy and melting—the very highest quality in Muskmelons. Added to large size and attractive appearance the combination is absolutely the best obtainable.

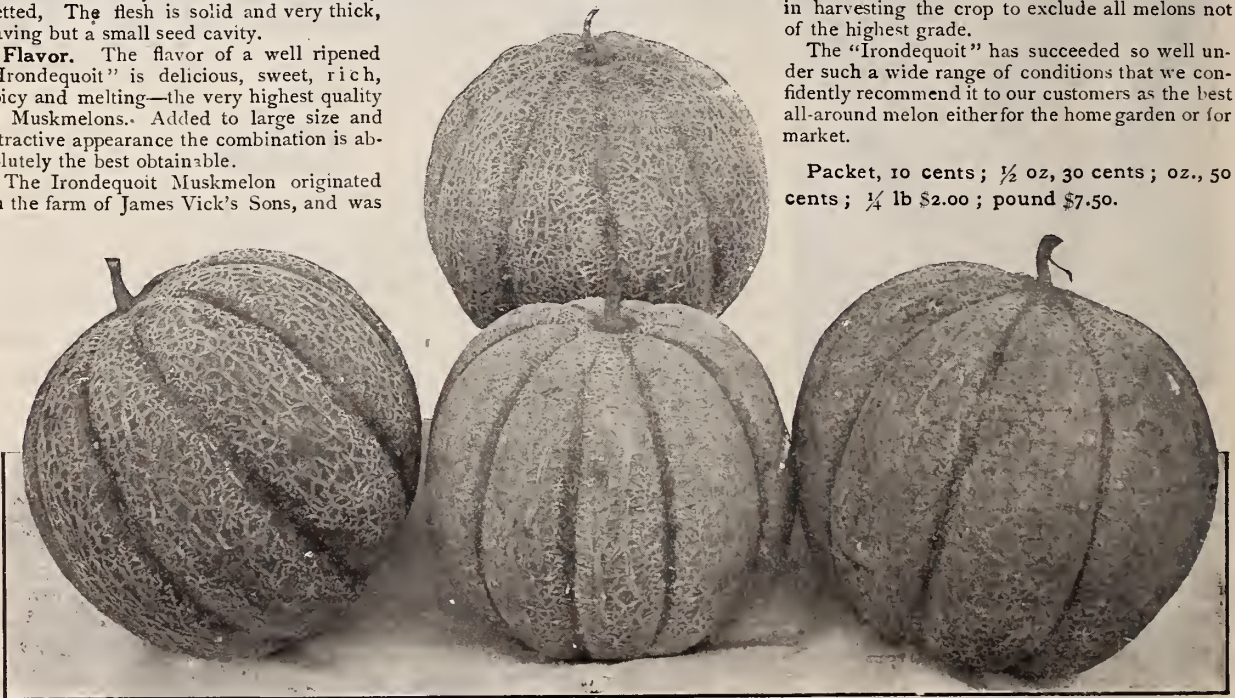
The Irondequoit Muskmelon originated on the farm of James Vick's Sons, and was

introduced by us in 1889. The name was suggested by the veteran gardener, Mr. George Cooper, in honor of Rochester's famous gardening district, Irondequoit. For many years it has held the Rochester market to the exclusion of all other varieties.

The seed we offer is true to type in all respects. It is grown under our personal supervision by one of the most skillful melon growers in Monroe County. Great care is taken in harvesting the crop to exclude all melons not of the highest grade.

The "Irondequoit" has succeeded so well under such a wide range of conditions that we confidently recommend it to our customers as the best all-around melon either for the home garden or for market.

Packet, 10 cents; $\frac{1}{2}$ oz., 30 cents; oz., 50 cents; $\frac{1}{4}$ lb. \$2.00; pound \$7.50.





WATERMELON



Plant in hills eight or ten feet apart. The same culture as recommended for Cucumbers will insure success. One ounce of seed will plant thirty hills, and four pounds an acre, with hills eight to ten feet apart. Allow three or four plants to remain in each hill.



COLE'S EARLY—THE AMATEUR GROWER'S FAVORITE.



KLECKLEY SWEETS—A HOME GARDEN MELON



SWEET HEART—AN EARLY MELON FOR THE HOME GARDEN

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00; except as noted.

Sweet Heart *One of the very best early varieties for the home*

garden, of the largest size, nearly globular in shape; skin a bright, beautiful, mottled green; rind thin; flesh bright red, firm, and solid to the center, heavy, but crisp, melting, and exceedingly sweet. A good keeper, and improves in quality for a long time after ripening. Vine vigorous and productive, ripening its fruit early.

Cole's Early *This is one of the earliest and best Watermelons*

for the amateur and for the home market. It is not only the earliest variety in cultivation, but continues to bear enormously throughout the season. The fruit is nearly round; rind thin and brittle, hence not desirable for shipping; flesh deep red and of extremely delicate texture, sweet, juicy, and delicious.

Florida Favorite. An excellent variety of large size. Shape oblong; skin mottled with alternate dark and light green stripes; rind thin but firm; flesh bright crimson, very crisp, and deliciously sweet. Ripens ten days earlier than Kolb's Gem or Mammoth Ironclad.

McIvor's Wonderful Sugar. This is of Southern origin, and is one of the very best Melons in cultivation. It excels in both beauty and lusciousness, being exceedingly sweet and juicy. The Melons attain great weight and size; oblong in shape, the rind showing broad stripes of light and dark green. The flesh is a rosy pink, perfectly solid, crisp, and of delicious flavor.

Dixie. A decidedly popular Melon. A cross between Kolb's Gem and the old reliable Mountain Sweet. It surpasses Kolb's Gem as a long-distance shipping Melon, while it fully equals the Mountain Sweet in its excellent flavor, and is ten to twelve days earlier than either. In shape about one-third longer than thick; color of skin dark green and beautifully striped; rind thin, but remarkably hard; flesh bright scarlet, sweet and juicy.

Vick's Early *A melon prized for the Home Garden or market*

Oblong in shape, smooth, with a very dark skin, rather small in size; flesh bright pink, solid, and sweet. Vines strong, bearing freely, thus making it a desirable variety for the home gardener, and the man who grows melons for the market.

Kleckley Sweets *Considered the finest flavored*

Melon grown. The fruit is oblong in form, eighteen to twenty inches long, and ten to twelve inches in diameter; skin dark green; flesh bright red, extremely sweet, melting, and luscious. Ripens close to the rind, which is only about one-half inch in thickness. Not a shipper, but highly recommended for the home market and family garden.

Ice Cream or Peerless. The old but extremely popular home market Melon. Medium in size, almost round; the skin a pale green; flesh bright scarlet, fine-grained, solid to the center, sweet, crisp, and melting. Its delicious flavor entitles it to the name of Peerless.

Prize Jumbo. Immense in size. The common weight of this Melon is sixty to eighty pounds. The rind is hard and firm, which makes it a superior variety for long-distance shipping. In shape it is nearly round; color solid dark green; flesh deep red and of fine quality.

Georgia Rattlesnake. One of the largest varieties, and stands shipment long distances. Fruit of good size, oblong in form, distinctly striped and mottled light and dark green; flesh bright scarlet and of excellent quality. An old and very popular sort.

Citron for Preserves. This variety grows uniformly round and smooth. It has a handsomely striped and marbled skin of light green. Used only for preserves and pickles, and not for eating in the raw state. Very prolific.

OTHER VARIETIES OF WATERMELON

Which we can supply at the uniform price of; Packet, 5 cents oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Black Diamond, Fordhook Early,
Cuban Queen.



ONION SEED



ONIONS must have a clean and very rich soil, as it is useless to attempt to grow them on poor ground. A liberal use of manure is more essential to this than to any other crop. Sow in drills not less than a foot apart nor more than half an inch deep, keeping the soil mellow and clear of weeds. One ounce will sow 100 feet of drill, or five pounds per acre.

Special prices to commercial growers will be quoted on application.

Vick's Own Selected Strain Danvers Yellow Globe

Successful onion growers use this strain in preference to all others. The seed is *Northern grown*, therefore adapted to growing in any section or climate. This variety is the standard in the eastern markets both for local use and shipping. It produces bulbs of usable size early in the season, so that it is a profitable variety all summer. The globe shape and the brownish-yellow skin make it attractive in appearance at all times. It is an extremely hard and solid variety. The bulbs average fully six inches in circumference; the flesh is pure white, crisp and tender, while the flavor is sweet and mild. It is a sure cropper, which fact combined with its other characteristics makes it one of the best and most popular sorts, both for home use and for market.

Packet 5 cents; oz., 20 cents; $\frac{1}{4}$ lb, 60 cents; lb, \$1.75.

Large Red Wethersfield

The standard red, and, owing to its productiveness, the most profitable for the market gardener. Form somewhat flattened, skin a deep purplish red, flesh purplish white. The best variety for poor or dry soils. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$1.90.

Mammoth Prize Taker. Genuine seed of this variety produces handsome, large, Yellow Globe Onions. We have the seed specially grown for us. Our *American Grown Seed* produces bulbs enormous in size, and the yield per acre is larger than that of any other variety. While not so good a keeper as our Yellow Danvers, it is a valuable sort for immediate or early fall use. The skin is of a rich yellow straw-color; flesh white, sweet, mild, and tender. Packet, 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 50 cts.; lb., \$1.75.

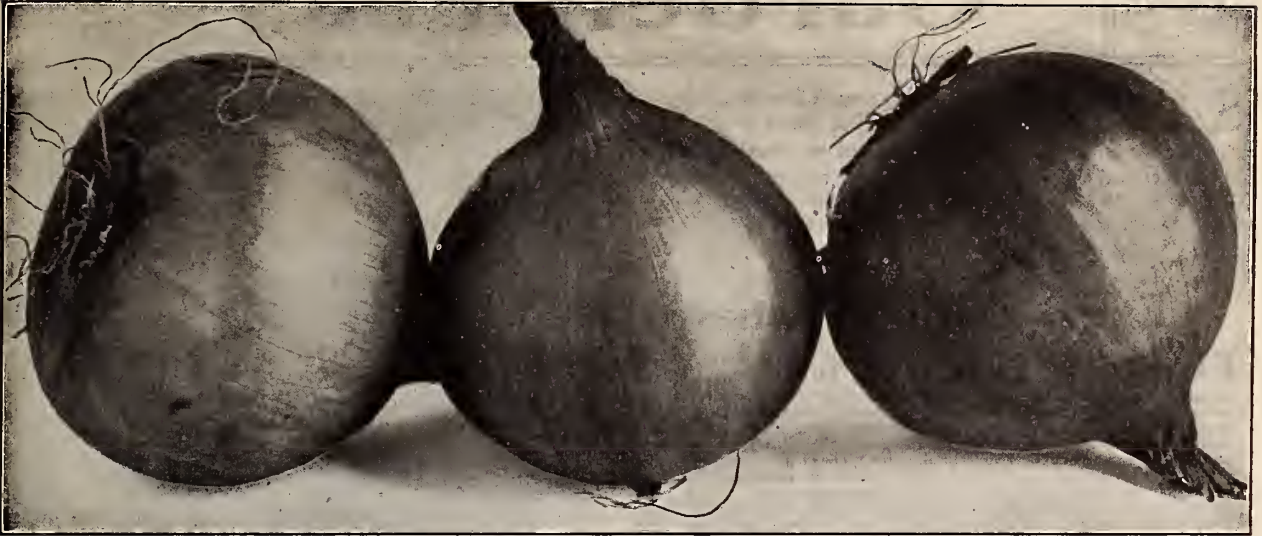
Large Yellow Dutch or Strasburg. This variety is one of the old standard sorts. It is flat, white-fleshed, fine grained and mild. It is exceedingly productive and a good keeper. A popular sort for growing sets, the product being a round, bright, smooth set. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$1.90.

Australian Brown. Distinct from all other Onions; uniform in size and shape; wonderfully hard and solid, and will keep almost indefinitely. Ripens extremely early. It is of medium size, round, with skin of a deep amber brown; flesh mild and agreeable. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Extra Early Flat Red. The earliest of the red sorts, coming into use from ten days to two weeks earlier than the Red Wethersfield. It is adapted to cold, damp, mucky soils, where other varieties fail to produce large-sized Onions. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.



VICK'S STRAIN OF DANVERS YELLOW GLOBE ONION, GROWN ON THE FARM OF A. W. SHORT, ALBION, N. Y.



SOUTHPORT WHITE GLOBE

SOUTHPORT YELLOW GLOBE

SOUTHPORT RED GLOBE

Southport White Globe

Handsome, large-sized, globular in form. Skin and flesh a pure white. To succeed in producing good pure white Onions, the crop should be pulled just as the stalks begin to fall down, and then allow them to dry off in the open air, keeping them free from rain or dew, which would cause discoloration of the bulbs. Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., \$2.50.

Southport Large Red Globe. Our strain is unsurpassed; it is used for growing the exceedingly fine large bulbs seen in the New York markets. Its beautiful form makes it extremely desirable. It produces large crops on favorable soils, and is a good keeper. Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., \$2.00.

Southport Yellow Globe. It is entirely distinct from the Danvers type, being somewhat more pointed at each end. The flesh is white and mild in flavor. It is quite productive and a good keeper. These onions always command a high price in the markets. Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., \$2.00.

Ailsa Craig

Flavor Mild
Size Immense
Solid and Heavy

For home use as well as exhibition purposes, Ailsa Craig combines all the necessary qualities for the ideal Onion. The skin is pale yellow, flesh snow-white, delicious in flavor, in fact, equal in every respect to the popular Spanish onions. Under favorable conditions will grow to an immense size. For best results seed should be sowed inside and the onions transplanted to rich soil when the tops are the size of quills. Plan to plant at least a packet this spring; more if you have room. Packet, sufficient to sow 25 feet, 10 cts.; ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., \$1.25; lb., \$4.00.

White Portugal or American Silver Skin. A large flat white Onion of exceedingly mild flavor. It is a popular sort, and when young excellent for bunching or for pickles. It is also especially adapted for growing sets. Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., \$2.50.

EGYPTIAN OR TOP ONION SETS (Perennial)

The young sets of these are produced on top of the stalks. As they cannot be kept out of ground over winter they must be planted in the fall; therefore, orders for them should be given in the spring for delivery next autumn. When once set out, they will come up year after year as soon as frost is over. They need no protection, grow rapidly, and are very productive. Quart, 30 cents; peck, 75 cents; bushel, \$2.50.

At quart prices we prepay postage. Bushel and peck delivered at freight or express office, Rochester.

ITALIAN ONIONS

The flavor of the Italian sorts is mild and well adapted for all culinary purposes. Seed should be sown thicker than that of the American sorts.

Mammoth White Garganus or Silver King. This is mammoth in size, the largest onion in cultivation. The bulbs are very attractive in form, fine-shaped, flattened but thick, with a silvery white skin. The flesh is snow-white, fine-grained, exceedingly mild, and of pleasant flavor. It matures quite early. Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., \$2.00.

Large White Flat Italian Tripoli. A handsome, large, pure snow-white, flat Onion, mild and of excellent flavor. If seed is sown early in hot-bed and transplanted, they grow to a large size. Packet, 5 cents; oz., 20 cents; ¼ lb., 50 cents; lb., \$1.75.

Large Blood Red Italian Tripoli. Same as preceding, except in color, which is a bright dark red. Used in the South when the Bermuda sorts cannot be had. Packet, 5 cents; oz., 20 cents; ¼ lb., 50 cents; lb., \$1.75.

Giant Rocca of Naples. A very large-growing, globe-shaped variety. The skin is reddish brown in color; flesh very mild and sweet-flavored. Packet, 5 cents; oz., 20 cents; ¼ lb., 50 cents; lb., \$1.75.

White Queen or Extra Early Barletta. This is an extra early, very small, round, hard, and handsome variety. The color is a beautiful waxy white; flavor mild and delicate. It is the Onion used in all famous pickle factories in our own country. A favorite for the home garden, as bulbs grown from seed will mature as early as those raised from the ordinary Onion sets. The best variety for pickling. Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., \$2.00.

White Bermuda (Teneriffe grown). The Bermudas are the earliest Onions in the market, and are grown extensively in the South. Outer skin straw color, flesh pure white. Packet, 5 cents; oz., 20 cents; ¼ lb., 85 cents; lb., \$3.25.

Red Bermuda. Similar to the white, but with red skin. Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., \$2.50.

ONION SETS

Onion sets should be planted as early as the ground is in condition to work in rows 12 to 15 inches apart, with sets two inches apart in the rows. Green Onions for bunching come in very early, while the crop of large bulbs matures very much earlier than if planted from seed.

True English Multipliers or Potato Onion. Quart, 30 cents; peck, \$1.25; bushel, \$4.00.

Yellow Bottom Sets. Quart, 30 cents; peck, \$1.25; bushel, \$4.00.

White Bottom Sets. Quart, 30 cents; peck, \$1.50; bushel, \$4.50.

At quart prices we prepay postage. Bushel and peck delivered at freight or express office, Rochester.



Garden Peas



SOW Peas in drills about four inches deep. 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. Avoid fresh manure and very rich soil, as they cause the vines to grow too rank. One pint will sow forty feet of drill; two bushels for an acre, in drills three feet apart.

Extra Early Varieties

Thomas Laxton The Leader of the Extra Early-ies. This Pea outranks all other extra early wrinkled varieties in hardness and productiveness. It has all the delicious sweetness of the Gradus and comes into use fully as early as any of the "Extra Earlyies." In addition, it is of stronger constitution than the Gradus, is hardier, and therefore can be planted earlier. It is more prolific, the yield of peas to the quantity of pods gathered being quite phenomenal. The pods are large and shapely, of a rich dark green color, and filled from end to end with seven or eight very large white-seeded, wrinkled sugar peas, the flavor of which is unsurpassed by any other Pea in cultivation. Vines are strong and hardy and from three to three and one-half feet high. **Packet, 10 cents; ½ pint, 25 cents; pint, 45 cents; quart, 80 cents.**

Alaska. A smooth blue Pea, the earliest of all the extra early varieties; good flavor; pods dark green, well filled and ripen uniformly. One of the very best for market gardeners. Vines two and one-half feet high. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 55 cents.**

Vick's Selected Extra Early The earliest of the early white Peas; unsurpassed either for market or family use; of excellent quality; unusually productive for so early a variety. Vines two and one-half feet high. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 55 cents.**

Gradus (Prosperity). As an extra early Pea, the Gradus, being a sugar Pea, is far superior to all smooth varieties, not only in its delicious quality, but also in the long pods. While the early smooth varieties contain four or five peas to the pod, the Gradus usually contains from eight to twelve. **Packet, 10 cents; ½ pint, 25 cents; pint, 45 cents; quart, 80 cents.**

Surprise. One of the earliest wrinkled Peas in the market. Vines grow about two feet high, are vigorous and need no bushing; pods well filled, containing about six or seven peas, which are exceedingly tender, sweet, and fine flavored. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 55 cents.**

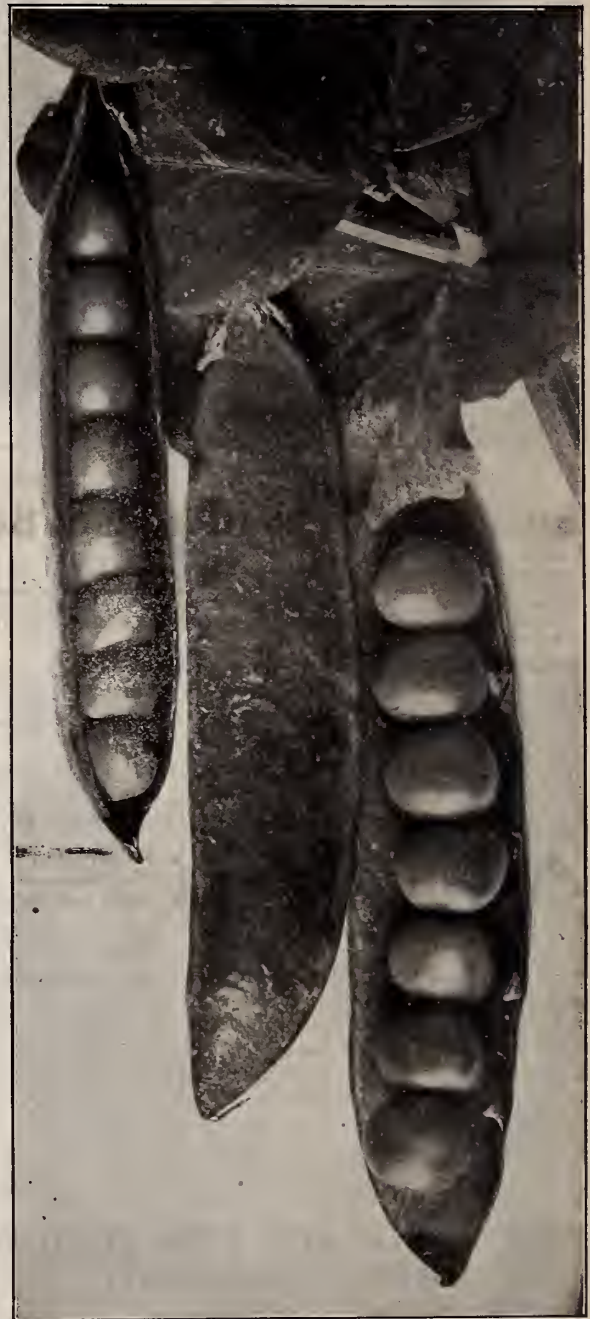
Early Varieties

Little Marvel. An English variety that has come to stay, in fact, it is conceded by those who have grown it, to be the best dwarf early on the market. When better known it will supercede all other dwarf early sorts. Its strong points is its tendency to bear large crops, and its high quality. It is fully as early as American Wonder or Nott's Excelsior, vines dwarf, growing about fifteen inches in height, heavily set with pods two and one-half to three inches in length filled with six to seven large, dark green peas. **Packet, 15 cents; ½ pint, 25 cents; pint, 45 cents; quart, 80 cents.**

Nott's Excelsior. An extra early dwarf, green, wrinkled sort. The peas are superior in sweetness and quality; the vines larger and more vigorous than American Wonder, and yield one quarter more in shelled peas. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 60 cents.**

Bliss' American Wonder is one of the very best of the early wrinkled Peas in cultivation, and a superior cropper, bearing large, well-filled pods, having from six to nine large peas in a pod. The vines are ten to twelve inches high, and of robust habit. A fine variety for the home garden. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 60 cents.**

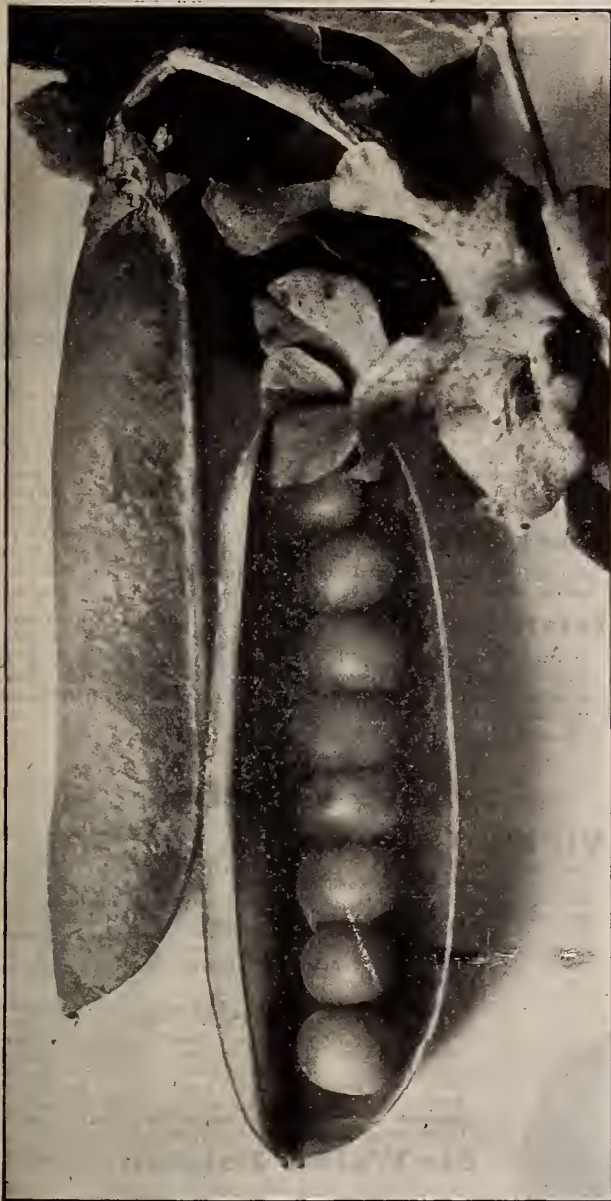
Extra Early Premium Gem. An improved Little Gem, another extra fine dwarf Pea. Many consider it equal to either Nott's Excelsior or American Wonder. Vines 12 to 15 inches. Very productive, pods large and Peas of excellent quality. An old favorite. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 60 cents.**



THE LAXTONIAN PEA

**FOR PRICES ON LARGER QUANTITIES,
BY EXPRESS OR FREIGHT, SEE PAGE 39**

Prices to Market Gardeners on application.



VICK'S DAISY PEA

Medium Early Varieties

Swastika Vick's 1909 "Good Luck" Medium Early Garden Pea

SWASTIKA "Good Luck" is certainly a wonder. The plant is branching and covered with pods five inches long, well filled with from seven to ten large Peas almost as sweet as sugar. It is second early, ready for picking a few days later than the extra early sorts. Vines dwarf, twelve to eighteen inches high, strong and branching, of a brilliant deep green color.

Packet, 15 cents; $\frac{1}{2}$ pt., 25 cents; pt., 45 cents; qt., 80 cents.

Laxtonian A new dwarfs Pea introduced by the English growers of Thomas Laxton and Gradus, resembling the latter in size and shape of pod; in fact, it is a dwarf Gradus. It is a well-known fact that for quality in flavor Thomas Laxton and Gradus were in a class by themselves, until the introduction of Laxtonian. The vines are about twelve inches high, and when in bearing are filled with immense dark green pods containing eight or nine large peas. It is but a few days later than the early sorts, but is classed as a second early. It is so productive, the pods so large and well filled, the quality so good, it is deserving of a place in every home garden.

Packet, 15 cents; $\frac{1}{2}$ pt., 25 cents; pt., 45 cents; qt., 80 cents.

Everbearing. A fine wrinkled sort, about thirty inches high; very robust, bearing heavy crops of large, well-filled pods; peas of excellent flavor. Owing to its branching habit, the peas should be planted about six inches apart. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Abundance. Remarkably productive. Plant one and a half to two feet in height; pods three inches long; peas large, wrinkled, of superior quality. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Vick's Daisy The Daisy is a second early Pea of robust habit; the vines grow about two feet in height, bearing an abundance of well-filled pods containing seven to nine large and deliciously-flavored peas. It is one of the finest early green wrinkled Marrow Peas in cultivation, and 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 in the very front rank. Packet, 10 cents; $\frac{1}{2}$ pt., 25 cents; pt., 40 cents; qt., 75 cents.

Horsford's Market Garden. A wrinkled variety of superior quality, growing two feet high, very stocky; requires no brushing; extremely prolific, bearing pods in pairs. A very desirable sort for canners' use. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; quart, 55 cents.

McLean's Advancer. A fine early market variety, exceedingly prolific, with well-filled pods of green wrinkled peas of delicious flavor. It is also known as Dwarf Champion. Vines two to two and a half feet high. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Telephone. A fine, tall, wrinkled variety, and a great cropper, bearing immense pods of large peas of exquisite flavor. It is decidedly a market garden Pea, filling a basket quicker than any other variety. Vines four feet. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart, 60 cents.

Long Island Mammoth. One of the most productive Peas in the list. Pods large and handsome, and well filled with peas of excellent flavor. This is another one of those popular sorts for the market gardener, as the large pods soon fill a basket, requiring but little time for gathering the crop. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Late or Main Crop Varieties

Improved Stratagem This is one of the best of the large-podded sorts; vigorous, productive, and of exceedingly fine quality; a favorite with market gardeners everywhere. Vines two to two and one-half feet. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart, 60 cents.

Improved Pride of the Market. A very robust, strong-growing variety, about two feet high, requiring no bushing or support; wonderfully productive; fine in appearance, and quality most excellent. A fine Pea for the kitchen garden or for market use. Packet, 15 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart, 65 cents.

Yorkshire Hero. A very fine, large, dwarf, wrinkled variety, of extra fine quality and very productive. Vines two and one-half feet high, bearing numbers of large well-filled pods. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Champion of England. A handsome variety, popular everywhere. One of the richest and best-flavored green wrinkled Peas. Five feet in height. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Melting Sugar. This variety is used either shelled or cooked in the pod, like string Beans, and when young is very tender and sweet. It is but little known in this country, while abroad it is considered a great relish. Packet, 15 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart 65 cents.

Large Black-Eyed Marrowfat. Well-filled pods. Four feet tall; $\frac{1}{2}$ pint, 15 cents; pint, 25 cents; qt., 45 cents.

Large White Marrowfat. Like the Black-Eyed Marrowfat, extensively grown as a field crop. $\frac{1}{2}$ pt., 15 cents; pt., 25 cents; qt., 45 cents.

FIELD PEAS

Field Peas make a splendid fodder crop for stock. They can be sown very early, either alone or with oats, and for dairy cows they equal corn and are ready several weeks earlier. Swine can be pastured to great advantage in a field of peas. Field peas can be grown on land that will not produce clover.

Canada Field. For sowing broadcast. Bushel, \$3.00. Freight or express not prepaid. Subject to market change.

SEED POTATOES

Owing to the increase in the price of Barrels and Boxes we have decided to ship Potatoes in extra strong sacks and allow our customers the difference in the cost. The package will be strong and secure. Those who prefer Barrels, add 40 cents for each Barrel, and 15 cents for each Bushel Box.

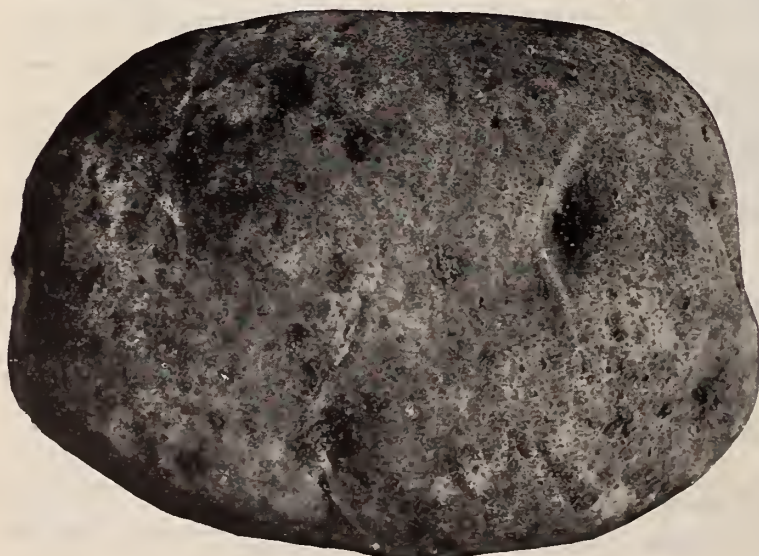
We always ship Potatoes and other heavy goods by Freight, excepting when ordered sent by Express, or when the quantity is such that to send by Express is cheaper.

Many people order small quantities, like a peck, to go by freight, thinking the charges will be less. This is seldom the case as the railroad companies make no rate for less than 100 pounds; therefore, the freight on a bushel is just as cheap as on a peck. Packed for shipment, in boxes or barrels, Potatoes weigh about: Peck, 20 pounds; half bushel, 40 pounds; bushel, 70 pounds; barrel, 185 pounds. A barrel or sack contains $2\frac{3}{4}$ bushels, or 165 pounds of Potatoes. 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. These prices subject to market change.

Early Varieties

The Bovee. For an extra early this variety is one of the best; almost as early as the Ohio and an exceedingly heavy yielder for an early Potato. A vigorous grower, good keeper, and fine quality. In color it resembles the Hebron or Rose class. It grows to a good size, oval in shape. An excellent variety. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.

Early Harvest. One of the best early White Potatoes. It is wonderfully early. This feature, coupled with large yield, superb quality, and fine appearance, makes 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. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by freight or express, not prepaid.



VICK'S LATE VICTOR



OHIO JUNIOR.

Ohio Junior. This variety, while not of recent introduction, is one of the earliest Potatoes cultivated, and on this account is prized by market growers. The tubers are oblong-oval, round at the seed end, with full eyes that are almost even with the surface. An excellent keeper, very productive, of fine quality, and has proved to be a most valuable addition to our list of extra early varieties. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.

Early Rose. An old favorite early. One of the best for the home garden. Pound, 25 cents; three pounds, 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.

Irish Cobbler. An extra early, white, round Potato. Strong, vigorous grower. Yields well, fine cooking quality and one of the very best early sorts. Pound, 25 cents; three pounds, 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.

We can supply seed stock of all the leading varieties.

Late Varieties

Vick's Late Victor. Catalogued in 1911 for the first time. One of the best main crop, late, round, white potatoes in cultivation; skin smooth and clear; shape uniform; tubers sound and of excellent cooking quality. This new sort is very productive, vines large and branching, and a large number of fine, sound tubers of just the right size and shape, in each hill. We are pleased to recommend this new variety to all of our customers. Pound, 25 cents; three pounds, 60 cents; by mail or express prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.

Carmen Seedling. A late, round, white main crop variety. Very handsome, productive and of excellent cooking quality. It is fresh from the seed ball, and produces unusually well. This variety we consider one of the best main crop potatoes we have ever grown. Pound, 25 cents; three pounds, 60 cents; by mail or express prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.

Sir Walter Raleigh. This seedling of Carmen No. 2 is a grand main crop variety. It is an extremely heavy yielder of handsome white skinned, fine grained, smooth, oval potatoes. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 60 cents; bushel, \$1.85; barrel, \$4.50; by express or freight, not prepaid.

Maggie Murphy. The Maggie Murphy is conceded by Potato growers to be one of the best late Rose 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. Pound, 25 cents; three lbs. 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.

Improved Green Mountain. One of the best general crop varieties; round, white, large tops. Does well in all localities and yields large crops. Pound, 25 cents; three pounds, 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.

MUSTARD

Ostrich Plume. Exceedingly ornamental as well as useful. The leaves are long, ruffled, frilled, and curved as gracefully as an ostrich plume. For salad it is better than any other variety, and for boiling it is superior to spinach. Packet, 5 cents; oz., 10 cents.

White. Fine for salad or culinary purposes. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 15 cents; $\frac{1}{2}$ lb., 25 cents; lb., 40 cents.

Giant Southern Curled. The favorite in the South. Continues to yield until frosty weather. Packet, 5 cents; oz., 10 cents; lb., 50 cents.

OKRA OR GUMBO

A large, vigorous, tender plant, cultivated in the South for its young seed-pods, which are very nutritious, and are used in soups, stews, etc., and especially for making gumbo soup. Should be more generally grown in the North wherever it is warm enough for Sweet Corn. About the last week in May sow seed thinly, in drills one inch deep and three feet apart. When well up, thin the plants out to one foot apart in the row. Gather the pods when quite young (about an inch and a half long), before woody fibre is formed. One ounce of seed will sow fifty feet of drill.

White Velvet (White Creole). Pods round, smooth, much larger than other sorts; produced in great profusion. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 55 cents.

Perkin's Mammoth Long Pod. A dwarf but enormously productive variety. Pods long, slender, deep green, and remain tender much longer than most sorts. Packet, 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb. 65 cts.

PARSLEY

As Parsley seed germinates very slowly, it should be planted in a bed if possible. For outdoor sowing always prepare the seed by placing it in hot water to soak for twenty-four hours, in a warm place. Sow thickly, in rows one foot apart and half an inch deep, pressing down well after sowing. When well up, thin to six inches apart. Parsley lives through the winter, and seed may be sown in the autumn. One ounce will sow 150 feet of drill.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 85 cents; except as noted.

EXQUISITE MOSS CURLED. A beautiful new variety described on page 3. Packet, 10 cts.

Champion Moss Curled. A compact growing, very ornamental plant. Leaves a bright green color, finely crimped and beautifully curled.

Vick's Triple Curled. One of the best for market or private garden; a handsome dwarf, compact sort. Leaves bright pale green; extra curled and crimped.

Beauty of the Parterre, or True Emerald. This variety is very distinct in appearance. It has a shade of green not shown in any other, while its leaves are more finely cut and densely curled. Habit dwarf and spreading. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Fern-Leaved. As its name indicates, this variety is most beautiful in form and color; valuable for garnishing, and also as an ornamental foliage plant for borders of beds. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 35 cents; lb., \$3.25.

Hamburgh or Turnip-Rooted. The roots resemble a small Parsnip, and are the edible portion of this variety. Used for flavoring soups, etc.



VICK'S TRIPLED CURLED



PARSNIP

Parsnip seed germinates very slowly, and does best in a cool, moist soil, therefore it should be sown as early as possible, in drills from fifteen to eighteen inches apart, and about half an inch deep. One ounce will sow 200 feet of drill; five pounds for an acre.

Elcombe's Giant. A new Parsnip having all the good qualities of the old favorite. Hollow crown but is smoother; not quite so long and much thicker at the top or shoulder. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Long Hollow Crown (White Dutch or Sugar). The old standard, and one of the best for general farm use and for home or market purposes. Long, smooth, tender, and sugary; very hardy; will keep throughout the winter with very little protection. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Improved Guernsey. Half-long. The roots are not so long as those of the Long Hollow Crown; are larger in diameter and more easily gathered; smooth, fine-grained, and of excellent quality. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; pound, 90 cents.

PEPPER

The culture of pepper is precisely the same as for Egg Plant. Transplant when three inches high. One ounce of seed will yield about 1,500 plants.

Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50; except where noted.

VICK'S GIANT RED. A magnificent new variety. Combines high quality, size and productivity. (See page 3). Packet, 15 cents.

Chinese Giant. Immense Pepper of a brilliant scarlet color. The flesh is unusually thick and very mild, having none of the pungency of most of the older varieties. The plant is about two feet high and of strong vigorous growth. Packet, 10 cents; $\frac{1}{4}$ oz., 20 cents; $\frac{1}{2}$ oz., 30 cents; oz., 50 cents; $\frac{1}{4}$ lb., 1.50; lb., \$5.00.

Large Bell, or Bull Nose. Very large, nearly four inches long and three inches in diameter; glossy red. Excellent for use in salads and pickles.

Ruby King. A handsome and very productive variety. Fruit from four to six inches long by three and a half to four inches broad; remarkably mild and pleasant. When ripe they are a bright ruby red.

Golden Dawn or Queen. Resembles the Large Bell in shape, but is more delicate in flavor. Color a rich golden yellow, with very thick, mild, sweet-flavored flesh.

Sweet Mountain or Mammoth. Much like the Large Bell, but larger and milder. Fruit thick and sweet. Fine for making stuffed mango pickles.

Coral Gem Bouquet. The finest of the small varieties. Its shining red pods, an inch in length, are so thickly set as to completely cover the plant. They are very hot, and suitable for seasoning. Makes an elegant pot-plant. Packet, 5 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Red Cluster. A distinct and beautiful variety, bearing a profusion of bright scarlet fruit in clusters in an upright position. Hot and pungent. As a decorative plant for the flower garden or for pots, it will be found very useful. Packet, 5 cents; oz., 30 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

Celestial. A Chinese variety, useful as well as ornamental. Sets its fruit early, and continues until frost. When fully grown the fruit is bright scarlet.

Long Red Cayenne. Beautiful and productive. Fruit four inches long bright red, pointed pod; flesh thick and pungent.

Small Red Chili. Cherry-Formed Red.



RADISH



FOR early use seed should be sown in the hotbed, in drills, three to four inches apart and half an inch deep. For open ground sow as weather conditions permit. As soon as the first leaves appear, sprinkle with soot or ashes to save them from the turnip fly. The Winter Radish should be sown about the middle of the summer, and makes its best growth in autumn. One ounce will sow 100 feet of drill; ten pounds to the acre.



VICK'S EARLY SCARLET GLOBE

man in the world, and is also used by the leading market gardeners both for forcing and out-of-door planting. Owing largely to our care in selecting and growing seed, it leads all other varieties.

Vick's Early Scarlet Globe Radish is the Best all-round Radish, on the market, and is therefore valuable for both the home gardener and the man who grows Radishes for the market. You will find "Vick Quality" in every ounce.

Packet, 5 cts.; oz., 15 cts.; $\frac{1}{2}$ lb., 30 cents; lb., \$1.00.

Next to Vick's Scarlet Globe Radish these are the Best Varieties you can Grow

Packet, 5 cts.; oz., 15 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 80 cts.; except as noted; all postpaid.

Vick's all Seasons. *Good at all times from the size of a marble to as big as a base ball.* It may be sown from spring until autumn, and the roots obtained from late sowings can be kept in storage for winter consumption. It can be used in all stages, from the size of a marble until full grown. The root is round, of brilliant scarlet color, grows to a very large size, and remains firm and brittle to the end. When sliced and salted it makes a very fine relish.

Triumph. A striking variety. Root globe-shaped, showing bright scarlet stripes on a white ground. A good forcer.

French Breakfast, or Scarlet Olive-shaped White Tip. Very tender and beautiful. Fine for open ground or forcing.

Early Round Dark Red (Non plus ultra). Especially adapted for forcing on account of its very small tap-roots and tops. It is also good for summer use in open ground. Skin dark red; flesh white, crisp, and tender.

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 Scarlet Globe we would recommend this variety for forcing.

Scarlet Turnip White Tip (Rosy Gem). (Forcing.) Very desirable for forcing and outdoor planting. Tops and roots both small; skin bright scarlet; flesh very mild and crisp.

Scarlet Olive-Shaped. Oval; very tender and excellent; an inch and a half long; fine for forcing or open ground.

Philadelphia White "Box." Is superior and entirely distinct from any early White Turnip Radish. Remarkably short top, rapid growth, perfect turnip shape, extra fine quality, showing no disposition to become pithy with age. Its short top and rapid growth especially fit it for growing under glass.

Scarlet Turnip. Round, diameter about an inch; skin scarlet flesh white.

White Turnip. Similar to preceding, except in color; less pungent.

For House or Garden Culture

Vick's Early Scarlet Globe

is Unequaled by Any Other Sort

It is handsome in both form and color, a beautiful oval and a rich scarlet; the flesh is crisp, tender, juicy and mild. The amount of its foliage is small compared with other varieties and small for the size of the Radish, making it a particularly attractive market sort. As a forcing Radish, Vick's Early Scarlet Globe is the best in every way, bearing the heat requisite for forcing without becoming pithy or spongy. Away back in 1884, we introduced this universally popular Radish and today it is sold by almost every seeds.

Yellow Turnip. Similar to above, except in color.

Wood's Early Frame. Similar to Long Scarlet, but shorter, earlier, and adapted for forcing.

Long Brightest Scarlet or Cincinnati Market. The brightest and handsomest long scarlet Radish grown. Fit for use in twenty-five days from time of sowing, and remains in good condition until fully grown, when it is as large and crisp as Wood's Early Frame. Tops small

Vick's Improved Long Scarlet Short-Top. The favorite long market Radish everywhere; six or seven inches long. Our strain of this popular sort has been grown from a selection year after year until it is perfection itself.

Beckert's Chartier, (Shepherd). 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.

Long White Vienna or Lady Finger. Beautiful in shape; skin and flesh snow white; crisp and tender in summer.

Iceberg. A beautiful transparent white variety, about three inches long and half an inch in diameter, with small tops; very crisp and brittle, and remains in good condition a long time; does not get pithy. Suitable for forcing.

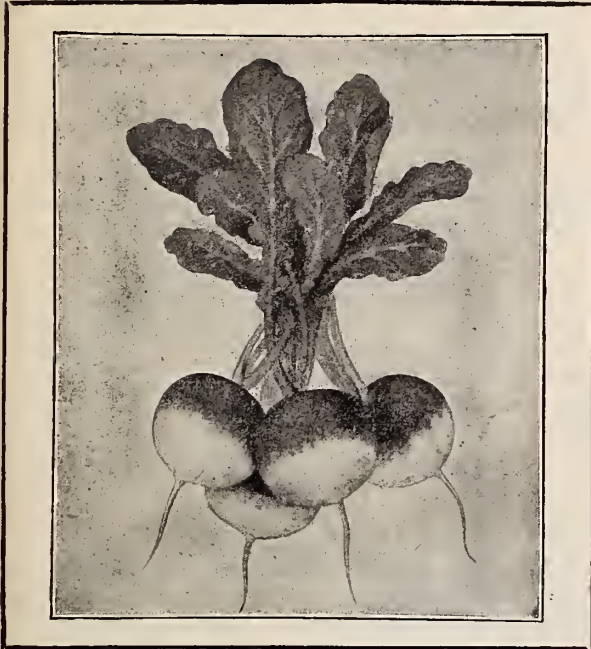
White Delicious. An improvement on the White Strasburg, being earlier, more evenly shaped, and having a smaller top. For outdoor early fall sowing it is sure to make a crop of uniform white Radishes. Quality first class.

White Strasburg Summer or White Hospital. A large, white, showy, half-long variety. Matures early. A leading market variety.

Giant White Stuttgart. A popular variety, early, of quick growth and large size; in shape like a large top. Flesh and skin pure snowy white.

Cooper's Sparkler A new variety of an entirely distinct type. In shape it is globular; the top is very short, thus making it adaptable for forcing, although it is equally good for outside. The color is a rosy carmine, with a long white tip. Cooper's Sparkler will keep longer in good condition than any other variety we have tried, and can be grown the year round. Successive sowings should be made during the summer.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 60 cents.



COOPER'S SPARKLER RADISH

Winter Radishes

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cts. except as noted; all postpaid.

Chinese Rose Winter (Scarlet Chinese). One of the very best for fall and winter use, and popular with market gardeners. Bright rose color; flesh white and firm, of superior quality.

Large White Spanish Winter. A popular sort. Flesh solid and milder in flavor than the black sorts.

Round Black Spanish Winter. This is a large black-skinned Radish, much relished by the Germans. Flesh white and firm.

Long Black Spanish Winter. Like the above, but the roots are longer and perhaps slightly milder in flavor.

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 of good flavor.

RHUBARB

Sow in drills eighteen inches apart and one inch deep. Thin out the plants to six inches apart. In the fall prepare the permanent bed by trenching two feet deep, mixing a liberal quantity of manure with the soil. Into this set the plants about five feet apart each way. The stalks should not be cut until the second year. One ounce should give about 500 plants

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

St. Martin's. One of the earliest as well as most prolific

Linnæus. Early and tender.

Victoria. Very large, but later than Linnæus.

Roots of above, each, 15 cents; dozen, \$1.50.

SPINACH

Nearly everyone likes succulent green vegetables in early spring. If you have not grown Spinach in your garden heretofore, why not try it this year? It is the easiest and quickest way to produce a crop of "greens" and we have the best Spinach Seed that money can buy. We handle immense quantities of Spinach Seed for a critical market garden and truck farm trade and use only the highest grade of seed, produced by the most expert growers in the world.

For a succession, the seed may be sown early in April and again in May, in drills one foot apart and one inch deep, properly thinning out when plants are an inch in the leaf. For the principal crop, sow from first to middle of September, protecting the crop with a light covering of straw or leaves. One ounce for 100 feet of drill; 10 pounds, in drills, for an acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 15 cents; lb., 40 cents; except as noted.

All Seasons It is a well-known fact that Spinach will not stand the hot days of summer without quickly running to seed. All Seasons will stand and remain in an edible condition longer than any other variety we have grown. The foliage is dark green, crinkled, sweet and luscious. The seed may be sown at intervals during the Summer. An exceptionally fine variety. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 50 cents.

Improved Thick-Leaved, or Long-Standing. Leaves large and thick, somewhat crumpled. Does not run to seed as early as other varieties.

Victoria. A valuable sort. Its attractive dark green color, long-standing, and hardy character, make it desirable for both spring and late sowing.

Round or Summer. Adapted for early spring sowing, and quite popular with market gardeners. Leaves thick and large. It stands the winter well.

Large Round-Leaved Viroflay. Large, round, thick and fleshy leaves. Good for early sowing. Quite hardy. One of the best for fall sowing.

Bloomsdale or Savoy-Leaved (Norfolk.) The earliest of all varieties, and one of the best to plant in autumn for early spring use. The leaf of this sort is wrinkled in the same manner as the Savoy Cabbage.

Prickly or Fall. A hardy variety, used for fall sowing. With very slight protection it will withstand the severest weather.



IMPROVED

OR LONG

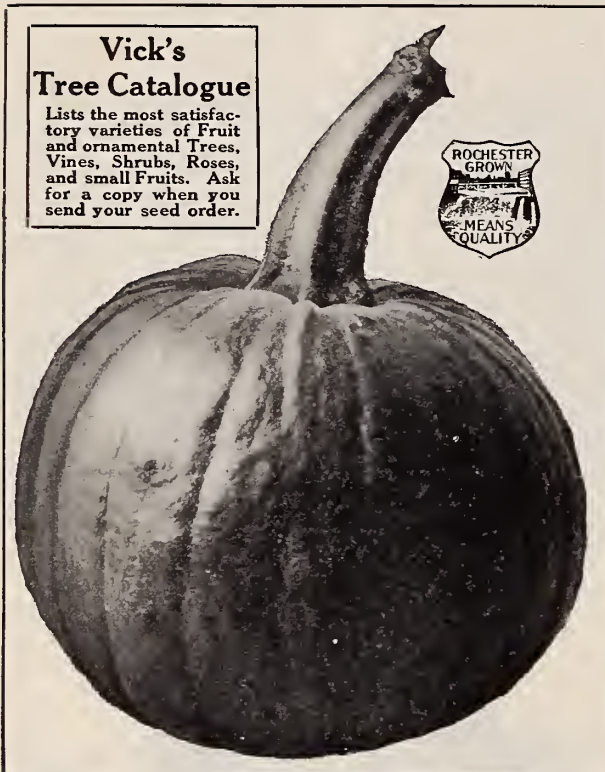
THICK-LEAVED

STANDING

PUMPKIN

Plant in hills eight feet apart each way, any time after the middle of May. Avoid planting near other vine crops, as they will hybridize and damage the crop. One ounce will plant about twenty-five hills; four pounds to the acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 85 cents; except as noted.



PUMPKIN, SUGAR OR PIE

Winter Luxury. This 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 skin and golden-russet color make it desirable for market use.

Large Sweet Cheese (Kentucky Field). One of the best for table use, and very productive. Shape flat; skin mottled light green and yellow, changing to a rich crimson color; flesh yellow, thick, and tender.

Sugar, or Pie. A rather small, but handsome variety. Shape round, skin deep orange-colored; flesh fine-grained, sweet-flavored; superior for pies.

Golden Oblong. A productive variety, oblong in shape, growing 16 to 18 inches long. Skin golden orange, thin and tough; almost as good a keeper as the hard-shell winter Squash. Flesh yellow, dry, and sweet; excellent.

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 lbs.

Mammoth Red Etampes. Skin brilliant, glossy red; flesh deep orange, very thick. Matures early. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.50.

King of the Mammoths, or Jumbo. The largest of all Pumpkins. Round in shape, flattened at both ends. It is a splendid keeper, and valuable for stock feeding; also desirable for exhibition purposes.

Connecticut Field. The hardiest of all Pumpkins; cultivated mainly for stock-feeding, producing enormous crops. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 15 cents; lb., 40 cents.

Cushaw, or Crookneck. A favorite sort of excellent quality. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

SUMMER

ASPARAGUS

Cut and Come-again Vegetable Something New and Good

Last year we were unable to fill a large number of our orders for Summer Asparagus. This year the seed crop has been excellent and we shall be able to take care of all our customers.

One of the most delectable vegetables that has been introduced in years. Well worth a place in everyone's garden. All who have tried it pronounce it delicious.

The plant makes a strong growth, very much like that of the Summer Crookneck Squash. The oblong green fruit forms close down in the axils of the leaves. It should be cut when not more than four to six inches long. As the fruit grows larger it loses its delicacy of flavor, and when one fruit is allowed to mature it checks the formation of any more fruit on that plant. Care should be taken in cutting to not injure the plant.

Cooked the same as Asparagus, either whole or cut in small pieces without peeling. Especially delicious cut in small pieces and cooked with cream. It is also used sliced and fried as a salad.

Four or five hills is sufficient for a large family as it may be cut almost every day until frost. Sown early it will fruit from the latter part of June until October. Plant in hills $3\frac{1}{2}$ to 5 feet apart any time from the latter part of May until July first. Ounce, 75 cents; Packet, 15 cents.

SALSIFY

White French. The old favorite variety. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50

Mammoth Sandwich Island. This is the largest and most profitable Salsify now in cultivation. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.50.

SCOLYMUS—Spanish Salsify

More productive than Salsify. The roots resemble a small Parsnip, and will keep through the winter like a Turnip. Cultivate like Parsnips. It is eaten boiled, like Salsify. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.



SQUASH

Squash likes a rich soil, and it is best to manure in the hill, using only well rotted manure. Plant a dozen seeds in each hill, and when danger from "bugs" is over cut out all but three or four, being careful not to disturb the remaining plants. For bush sorts, make hills four or five feet apart each way, and for the running kinds twice that distance. Winter Squash should be ripened thoroughly, or they will not keep through the winter. One ounce of early varieties for fifty hills and two ounces of late will plant fifty hills; three to four pounds per acre. Packet, 5 cents; oz., 15 cents; ¼ lb., 40 cents; lb., \$1.25 except as noted; all postpaid.

Summer Squashes

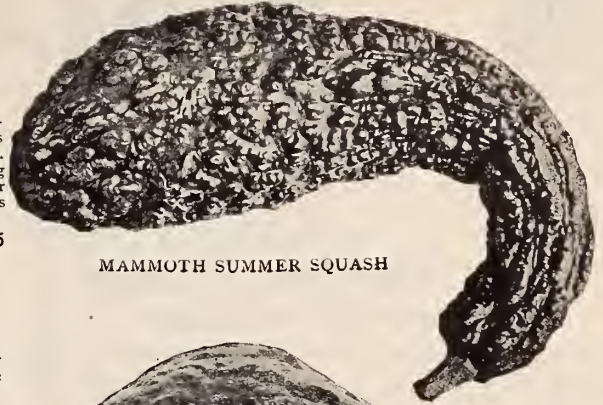
Mammoth Bush Summer Crookneck.

The richest and best of the Summer Squashes. Early and productive. Color golden yellow; flavor sweet and rich. It is almost twice as large as the ordinary Summer Crookneck.

Mammoth White Bush Scallop (Silver Custard.)

The best of the scalloped Squashes. Plant true bush form. Fruit oval to flat. Early and valuable for market or table. Handsome and of fine quality.

Delicata. A beautiful small oblong Squash. In color orange, striped with dark green on the outside. The flesh is rich, dry and extra fine quality when cooked. In season it is very early, maturing the same time as other extra early varieties and used in the same way.



MAMMOTH SUMMER SQUASH



HUBBARD SQUASH

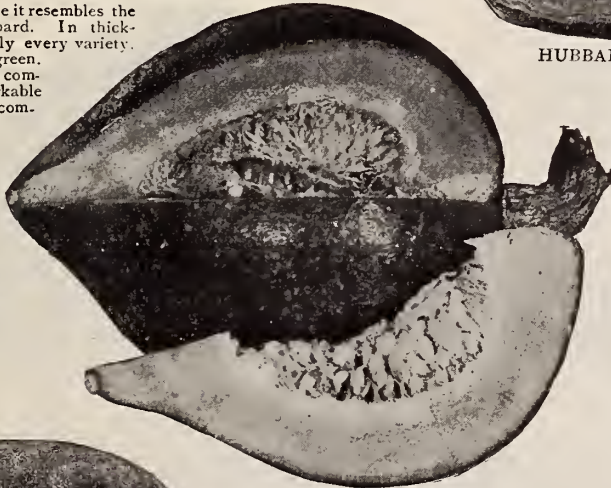


Fall and Winter Squashes

Delicious. In size it resembles the Hubbard. In thickness of flesh it surpasses nearly every variety. The color is a dark bronze green. For table use no other variety compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness, and exceeding richness of flavor. It is best in the fall and early winter. Specially selected strain. Packet, 10 cents; ounce, 20 cents; ¼ pound, 50 cents; pound, \$1.75.

Early Prolific Orange Marrow

An improvement by selection from Boston Marrow; not so large but much earlier. Skin orange-colored; flesh deep, fine grained, and of delicious flavor.



DELICIOUS SQUASH

The Golden Bronze. Weight from eight to ten pounds; color, a dark grayish green with bronze on the upper surface when ripe; flesh golden yellow, very thick, fine grained, sweet, and of a delicious flavor. Matures early, and is a good yielder and splendid keeper. As a Squash for the table and pies it has no superior.

Hubbard. The standard Winter Squash; no better variety grown; more generally cultivated as a late sort than any other. Flesh fine-grained, dry and of excellent flavor.

Chicago Warty Hubbard. This has some points not seen in the old standard, the shell having a dark green, almost a black color, and also distinguished by a dense covering of knots (warts). It is of first-class quality.

New Golden Hubbard. This is a true Hubbard Squash except in color, which is a bright orange-red. The flesh is deep golden yellow.

Fordhook. A very fine winter variety. Shell a bright yellow; flesh straw-yellow, dry and sweet, and of good flavor. Matures early, a sure cropper and very productive. May be used at any stage of growth.

Essex Hybrid or Hard Shell Turban (Warren.) 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. Flesh thick, fine grained and solid. A good keeper. Very productive, early and of rapid growth.

Sibley, or Pike's Peak. A very distinct and valuable variety. Shell pale green, very hard; flesh solid and thick, orange color; flavor rich and delicate.

Boston Marrow. Very popular in the Boston market. Oval shape; skin yellow; flesh orange-colored and fine-grained.

Mammoth Chili. The largest of all Squash; grows to an enormous size. One of the most profitable sorts for stock-feeding. Keeps well throughout the winter. This variety is also extensively grown for fair exhibits.

Vegetable Marrow. Flesh rich, salmon yellow, dry and fine-grained. Excellent as a pie-squash.



GOLDEN BRONZE SQUASH



TOMATOES



VERY good plants can be grown in boxes in the house, but to obtain fruit very early, sow in a 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, four feet apart each way. If not too early or too cold, a coldframe will answer for the first transplanting. The soil for early Tomatoes should not be too rich, and a warm, sheltered location selected, if possible. Pinching off the ends of the branches when the first fruit is set, will hasten the ripening very much. One ounce will produce 2000 plants; one-quarter pound (to transplant) for an acre.

The Earliana Tomato Vick's Improved Strain

Vick's Improved Strain has been grown on our own farms continuously since the variety was first introduced, and by careful selection it **has been improved** by us from year to year.

Vick's Improved Strain now grows **uniformly, round and smooth**. In this respect it is a great improvement over the ordinary stock of Earliana.

Vick's Improved Strain sets its fruit **thickly in the center of the plant**. Our plants, last summer, looked as though the Tomatoes had been poured out of a basket.

Vick's Improved Strain ripens its Main Crop early. Instead of ripening one at a time at intervals through the whole season, nearly the entire crop ripens **within a remarkably short time**.

Vick's Improved Strain is the **most profitable** Tomato that can be grown by the Market Gardener and Truck Farmer.

Vick's Improved Strain ripens up to the stem better than any other variety of early Tomato now on the market. It has a good **bright red color**. It is a solid, meaty Tomato of good flavor, and first-class for canning and catsup.

Vick's Improved Strain has a **small growth of vine** and may be planted two and one-half by four feet, effecting a great saving of space over the late varieties.

Our crop of Earliana Tomato was unusually fine the past season. A glimpse of one of the fields on our Elmgrove Farm is shown on the cover of this catalogue. The yield of seed was so good that we are going to share our good fortune with our customers by reducing the price for 1913.

Packet, 10 cents; half ounce, 25 cents; ounce, 40 cents; quarter pound, \$1.25; pound, \$4.00.



Standard Varieties of Tomatoes

Packet 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50; except as noted



STONE TOMATOES

Chalk's Early Jewel

A fine second-early Tomato about ten days later than Earliana. Fruit large size and fine flavor. The plants are compact and strong, and when bearing fairly loaded with fruit. One of the best for shipping and the home garden. Continues bearing throughout the Summer. Packet, 10 cents; $\frac{1}{2}$ oz., 20 cents; oz., 35 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

Bright and Early.

A very desirable variety for the home garden. Color a fine, deep red, and very uniform; skin firm and free from cracks; flesh solid, and of the finest flavor. While some large specimens are produced, the average size is slightly below medium; but whatever is lacking in the size of the individual fruit is more than made up in the immense clusters.

Crine's June Pink. An extra early selection from Earliana. The color is a purple pink; the fruit is smooth and the plant a good yielder. Packet, 10 cents; $\frac{1}{2}$ oz., 20 cents; oz., 35 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

Stone Ripens for main crop; very large; color bright scarlet; very smooth; ripening even to the stem without a crack; exceedingly solid and firm fleshed; an excellent shipper; quality the very best; not subject to rot; its appearance on market remarkably attractive; a heavy variety. It is the standard Tomato for market gardeners and truckers, and superior for canning.

Dwarf Stone. The strong, upright growth allows very close planting. The plants may be set 18 by 24 inches apart and yet produce an abundant crop. The shape of the fruit is perfect, with a good skin, which is free from cracks about the stem end. It is very solid, ripens evenly, and is of most excellent quality. Packet, 10 cents; $\frac{1}{2}$ oz., 20 cents; oz., 35 cents; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

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 long distance shippers.

Royal Red. Bright scarlet and the brightest red throughout of any Tomato grown. Large, smooth, solid, and productive.

Red Cherry. Small, perfectly round and smooth, bright red, borne in large clusters. Fine for preserves and pickles.

Yellow Cherry. Differs from Red Cherry only in color.

Husk or Strawberry (Winter Cherry, etc.) Fruit golden yellow, size of a cherry. Fine for pies, preserves, or eating from the hand. Packet, 10 cents; oz., 35 cents; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

OTHER STANDARD VARIETIES

Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50.

Honor Bright, Improved Trophy, Ponderosa, Livingston's Favorite, Perfection, Peach.

Livingston's Coreless The shape of this Tomato is almost round. Immensely productive; clusters of from four to seven fruits are produced at six to eight inches apart along the stem; ripens all over and through and right up under the stem, all at once. The strong outside and inner wall of flesh of the Livingston's Coreless render it a very firm fruit and one of the best for long distance hauling or shipping. Color bright red. Packet,

Dwarf Champion The Standard Variety for all People and Places

Dwarf and compact in habit, the plant growing stiff and upright, with very thick and short-jointed stems, requiring no stakes. Often sold as Tree Tomato. Can be planted as close as three feet. Unsurpassed as a cropper. Color deep red, with a purplish tinge. Round and smooth.

Golden Queen (Queen of the Yellows). Solid, smooth, large in size, and ripens early. Makes a handsome, rich preserve. This Tomato should be grown in every home garden; its flavor is better and more delicate than that of the red varieties, the flesh finer-grained and very tender. Try it. Packet, 5 cents; oz., 30 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00

Plum-Shaped Yellow. Handsome in appearance and valuable for preserving. Excellent served raw with pepper and vinegar.

Pear-Shaped Red. True pear-shaped, small, bright red. Used for preserves and for making "Tomato figs."

Pear-Shaped Yellow. Same as the above, except that color is yellow.



CHALK'S EARLY JEWEL TOMATO

New and Worthy Vegetable Introductions

(See Novelty Pages)

Fennel, Messina

Leek, Monstrous Carentan

Parsley, Exquisite

Pepper, Quality

"Summer Asparagus"

Turnip, Gray Stone

Turnip, Pajbjerg Bangholm

Forcing Varieties

Stirling Castle. A fine variety, especially for forcing purposes, and outdoor planting when grown on a single stem. The fruit is round and deep, of medium size, smooth, free from cracks or watery cavities, and almost seedless; color bright scarlet. Very early. Packet, 20 cents.

Lorillard. A good sort for forcing under glass as well as for outdoor culture; bright red, smooth, early. Packet, 10 cents; oz., 35 cents $\frac{1}{4}$ lb., \$1.00.



LIVINGSTON CORELESS

TURNIPS

SOW in drills from twelve to eighteen inches apart, and half an inch deep. In this climate we sow from the 25th of July until the middle of August. Swede or Ruta Baga Turnips should be sown the first of June, the rows being about eighteen inches apart, and the plants in the rows not less than ten inches. One ounce of seed will sow 200 feet of row; and two to three pounds are required for an acre in drills.

Packet, 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cents; lb., 60 cts.; except as noted.

Purple-Top Strap-Leaved. Flat, medium size, purple above ground, white below. The most popular variety for early use, either for table or stock.

Early White Flat Dutch, Strap-Leaved. Similar to above. A fine, early, white sort, of quick growth and excellent quality.

Purple-Top White Globe. An improved variety of the purple-top flat Turnip; globular in shape, of fine appearance, a good keeper, of excellent quality, and equally desirable for table or stock.

Extra Early Purple-Top Milan. A white variety, purple-top and strap-leaf. This, with the White Milan, is the earliest of all Turnips; Remains in good condition a long time. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

Extra Early White Milan. Similar to above except it is pure Ivory white in color, and about one week earlier. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

Early White Snowball or Six Weeks. A perfectly globe-shaped, white-skinned Turnip of medium size and excellent flavor. For early sowing this is one of the best, being crisp and tender, and maturing in six weeks from the time of sowing. A good keeper. Fine for family or market. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

White Egg. An excellent variety. Nearly oval or egg-shaped. Flesh firm and fine-grained, and of snowy whiteness. Its flavor is of the very best. Particularly desirable for table. Can be sown as late as the middle of August.

Long White Cow-Horn. A quick-growing sort, half-long in shape fine-grained, sweet, good quality. Roots grow partly above ground. Very productive. Much used for a cover crop.

Grey Stone (New). Grows very large, perfectly round, white, reddish gray tinge at the top and around the stem. It is one of the best summer varieties. Packet, 5 cents; ounce, 15 cents; $\frac{1}{4}$ lb., 35 cents; lb., \$1.00.



TURNIP, PURPLE-TOP WHITE GLOBE



TURNIP, EARLY SNOWBALL

Orange Jelly. This is the most distinct yellow Turnip ever offered. It is of very fine texture, and the best, sweetest, and most delicious of the yellow-fleshed varieties. It is of medium size, with small tap-root, a rapid grower, matures early, and keeps well. A superior table variety. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 70 cents.

Robertson's Golden Ball. Similar to Orange Jelly, but larger and not so fine-grained.

Large Yellow or Amber Globe. Good for general crop. Excellent for table or for stock-feeding. Flesh yellow, firm, and fine-grained. A good keeper and cropper.

Yellow Aberdeen. Roots medium size, round, flesh yellow, tender and sugary. Very hardy and productive. A good keeper. Good for both table and stock.

Yellow Stone. One of the best yellow-fleshed sorts for table use and stock

Pomeranian White Globe. Very productive, in good soil roots frequently grow from ten to twelve pounds. Good for table or stock-feeding.

Large White Norfolk. A standard variety for field-culture for stock feeding. Grows to a large size and is very productive.

RUTA BAGAS OR SWEDE TURNIPS

Packet, 5 cents; ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents. In lots of 5 lbs., 40 cents per lb., express not paid.

White Sweet Swede. A large, white, solid Swede, sometimes called White Russian. Quite desirable for table or stock-feeding. A great yielder. Fine form and good keeper.

Vick's Imperial Purple-Top Yellow An excellent variety either for the table or cattle-feeding. Flesh yellow, firm, solid, rich, and sweet. Very hardy, prolific, tender. A splendid keeper.

Laing's Purple - Top Strap - Leaved. A large early sort of fine quality. Flesh yellow, very sweet. Tops peculiar in that they are strap, or entire-leaved.

Pajbjerg Bangholm — (New). This variety is the most largely grown of all Ruta Bagas or winter Turnips in Denmark. The most productive, yielding more to the acre than any variety we have tested. The lower half of the root is yellow, gradually shading to a violet towards the top. Packet, 5 cents; ounce, 15 cents; $\frac{1}{4}$ lb., 35 cents; lb., \$1.00.

TOBACCO

Connecticut Seed-Leaf. Packet, 5 cts.; oz., 25 cts.
Havana (or Cuban). Packet, 10 cts; oz., 40 cts.

BEANS, CORN AND PEAS IN LARGE QUANTITIES

In the following list we quote prices for seeds by the peck, four quarts, and quart, when sent by freight or express **at the expense of the purchaser.** We deliver them at express offices or railroad depots in this city at 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 from the prices given in the preceding pages 10 cents per pound on all seeds quoted by the pound.

| BEANS—Wax—Podded. | | | |
|-------------------------------|--------|--------|--------|
| | Qt. | 4 qts. | Peck |
| Brittle Wax | \$0 35 | \$1 25 | \$2 25 |
| Davis White Wax, White Seeded | 35 | 1 25 | 2 25 |
| Golden Wax | 35 | 1 25 | 2 25 |
| Michigan White Wax | 35 | 1 25 | 2 25 |
| Pencil Pod Black Wax | 35 | 1 25 | 2 25 |
| Prolific German Black Wax | 35 | 1 25 | 2 25 |
| Refugee Wax | 35 | 1 25 | 2 25 |
| Rustless Golden Wax | 35 | 1 25 | 2 25 |
| Surecrop Stringless Wax | 45 | 1 60 | 3 00 |
| Wardwell's Kidney Wax | 35 | 1 25 | 2 25 |
| Yosemite Mammoth Wax | 45 | 1 60 | 3 00 |

| BEANS—Continued. | | | |
|------------------------------|-----|--------|------|
| | Qt. | 4 qts. | Peck |
| Wood's Prolific Bush Lima | 35 | 1 25 | 2 25 |
| Fordhook Bush Lima | 50 | 1 75 | 9 00 |
| Improved Bush Lima (Dreer's) | 35 | 1 25 | 2 25 |

| BEANS—Pole or Running. | | | |
|----------------------------|-----|--------|------|
| | Qt. | 4 qts. | Peck |
| Dreer's Improved Lima | 35 | 1 25 | 2 25 |
| Extra Early Jersey Lima | 35 | 1 25 | 2 25 |
| Early Golden Cluster Wax | 45 | 1 60 | 2 75 |
| King of the Garden Lima | 35 | 1 25 | 2 25 |
| Large White Lima | 35 | 1 25 | 2 25 |
| Old Homestead | 35 | 1 25 | 2 25 |
| Seibert's Large Early Lima | 35 | 1 25 | 2 25 |
| White Dutch Case Knife | 35 | 1 25 | 2 25 |

| PEAS. | | | |
|-----------------------|-----|--------|------|
| | Qt. | 4 qts. | Peck |
| Large White Marrowfat | 30 | 1 10 | 2 00 |
| Laxtonian | 65 | 2 25 | 4 25 |
| Long Island Mammoth | 40 | 1 50 | 2 75 |
| McLean's Advancer | 40 | 1 50 | 2 75 |
| Nott's Excelsior | 45 | 1 60 | 3 00 |
| Surprise | 40 | 1 50 | 2 75 |
| Swastika | 65 | 2 40 | 4 40 |
| Thomas Laxton | 65 | 2 40 | 4 40 |
| Telephone | 45 | 1 60 | 3 00 |
| Vick's Extra Early | 40 | 1 50 | 2 75 |
| Vick's Daisy | 60 | 2 25 | 4 15 |
| Yorkshire Hero | 40 | 1 50 | 2 75 |

| BEANS—Green—Podded. | | | |
|-------------------------------|-----|--------|------|
| | Qt. | 4 qts. | Peck |
| Bountiful | 35 | 1 25 | 2 25 |
| Burpee's Stringless Green Pod | 35 | 1 25 | 2 25 |
| Dwarf Horticultural | 35 | 1 25 | 2 25 |
| Extra Early Red Valentine | 30 | 1 10 | 2 00 |
| Extra Early Refugee | 35 | 1 25 | 2 25 |
| Full Measure | 35 | 1 25 | 2 25 |
| Giant Stringless Green-Pod | 35 | 1 25 | 2 25 |
| Hodson's Green-Pod | 35 | 1 25 | 2 25 |
| Keeney's Stringless Green | | | |
| Refugee | 50 | 1 75 | 3 00 |
| London Horticultural | 35 | 1 25 | 2 25 |
| Longfellow | 35 | 1 25 | 2 25 |
| Long Yellow Six Weeks | 35 | 1 25 | 2 25 |
| Refugee 1000-1 | 30 | 1 10 | 2 00 |

| PEAS. | | | |
|--------------------------------------|-----|--------|------|
| | Qt. | 4 qts. | Peck |
| Alaska (Earliest of All) | 40 | 1 50 | 2 75 |
| American Wonder | 45 | 1 60 | 3 00 |
| Bliss' Abundance | 40 | 1 50 | 2 75 |
| Bliss' Everbearing | 40 | 1 50 | 2 75 |
| Champion of England | 40 | 1 50 | 2 75 |
| Canada Field Peck \$1.00; Bu. \$3.50 | | | |
| Duke of Albany (American Champion) | 45 | 1 60 | 3 00 |
| Extra Early Premium Gem | 40 | 1 50 | 2 75 |
| Grada (Prosperity) | 65 | 2 40 | 4 40 |
| Horsford's Market Garden | 40 | 1 50 | 2 75 |
| Imp'd Pride of the Market | 50 | 1 80 | 3 30 |
| Improved Stratagem | 45 | 1 60 | 3 00 |
| Large Black Eye Marrowfat | 30 | 1 10 | 2 00 |

| SWEET CORN. | | | |
|-------------------------------|-----|--------|------|
| | Qt. | 4 qts. | Peck |
| Black Mexican | 25 | 75 | 1 25 |
| Country Gentleman | 25 | 75 | 1 25 |
| Crosby's Early | 25 | 75 | 1 25 |
| Early Evergreen | 25 | 75 | 1 25 |
| Early Mammoth | 25 | 75 | 1 25 |
| Early Minnesota | 25 | 75 | 1 25 |
| Golden Bantam | 30 | 1 10 | 2 00 |
| Hiawatha | 25 | 75 | 1 25 |
| Kendel's Early Giant | 25 | 75 | 1 25 |
| Mammoth Late Sugar | 25 | 75 | 1 25 |
| Mammoth White Cory | 25 | 75 | 1 25 |
| Metropolitan | 25 | 75 | 1 25 |
| Perry's Hybrid Sugar | 25 | 75 | 1 25 |
| Potter's Excelsior (Squantum) | 25 | 75 | 1 25 |
| Stowell's Evergreen | 25 | 75 | 1 25 |
| Vick's Earliest of All | 25 | 75 | 1 25 |
| Vick's Golden Nugget | 25 | 75 | 1 25 |

| BEANS—Bush Lima. | | | |
|---------------------------|-----|--------|------|
| | Qt. | 4 qts. | Peck |
| True Bush Lima (Burpee's) | 35 | 1 25 | 2 25 |

USEFUL HERBS

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 seedbed in the early spring and set the plants out in a bed as soon as large enough. As a general rule it is best to cut the herbs when in flower, tie them up in small bunches, and hang in the shade to dry. We give a list of the herbs generally cultivated and prized. Of some kinds we furnish roots, as will be seen below:

| | PKT. |
|---|------|
| Anise, per lb., \$1.00; per ounce, 10 cents | 5 |
| Balm, per ounce, 30 cents | 5 |
| Basil, Sweet, per ounce, 20 cents | 5 |
| Borage, per ounce, 20 cents | 5 |
| Caraway, per lb., \$1.00; per ounce, 10 cents | 5 |
| Catnip, per ounce, 30 cents | 5 |
| Coriander, per lb., 75 cents; per ounce, 10 cents | 5 |
| Dill, per ounce, 10 cents | 5 |
| Fennel, Large Sweet, per ounce, 10 cents | 5 |
| Hoarhound, per ounce, 30 cents | 5 |

| | PKT. |
|--|------|
| Hop Seed, per ounce, \$1.50 | 20 |
| Hyssop, per ounce, 25 cents | 5 |
| Lavender, (Lavendula spica), per oz., 10 cts. | 5 |
| True, (Lavendula vera), ounce, 25 cents | 5 |
| Marjoram, Sweet, per ounce, 20 cents | 5 |
| Rosemary, per ounce, 40 cents | 5 |
| Rue, per ounce, 20 cents | 5 |
| Saffron, per ounce, 10 cents | 5 |
| Sage , per lb., \$2.00; per ounce, 20 cents | 5 |

| | PKT. |
|--|------|
| Savory, Summer, per ounce, 15 cents | 5 |
| Savory, Winter, per ounce, 20 cents | 5 |
| Sorrel, French, per ounce, 15 cents | 5 |
| Tansy, per ounce, 30 cents | 5 |
| Thyme | 5 |
| Broad-Leaved, or Winter, per oz., 30 cts. | 5 |
| Summer, per ounce, 30 cents | 5 |
| Wormwood, per ounce, 30 cents | 5 |
| Lavender, roots, by mail, each, 15 cts; two for 25c. | |
| Sage, roots, by mail, each, 15 cts; two for 25c. | |

BOOKS FOR GARDEN OR GREENHOUSE

Postage or Express Charges prepaid on any of these Books.

Alfalfa. Its growth, uses and feeding value, together with notes on its history, botany, etc. By F. D. Coburn. Illustrated, cloth, 160 pps. 50 cents
Asparagus. Its culture for home use and for market. By F. M. Hexamer. Handsomely illustrated, 5 x 7 inches, 170 pages, cloth. 50 cents
Cabbage, Cauliflower and Allied Vegetables. From Seed to Harvest. By C. L. Allen. A practical treatise on the various types and varieties of cabbage, cauliflower, broccoli, Brussels sprouts, kale, collards, and kohi rabi. Illustrated, 142 pages, 12mo, cloth. 50 cents
Celery Culture. By Prof. W. R. Beattie. In this work complete cultural directions are included, together with the estimate of cost for equipment and running expenses, and a fair estimate of returns from one acre. 50 cents
How to Make Money Growing Violets. Saltford. 25 cents

The Amateur's Practical Garden Book. By C. E. Hunn and L. H. Bailey. Contains complete directions for growing the commonest of things about the house and garden. \$1.00
Garden Making. By L. H. Bailey. 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. \$1.50
Horticulturists' Rule Book. By L. H. Bailey. Useful information for fruit growers, florists and gardeners. \$1.50
Onion Culture, The New. By T. Greiner. This work is full of new, original and highly valuable matter of material interest to every one who raises onions in the family garden, or by the acre for market. 50 cents

Greenhouse Management. By L. R. Taft. A manual for florists and flower lovers on Forcing Flowers, Vegetables and Fruits. \$1.50
Mushrooms. How to grow. 10 cents
How to Grow Mushrooms. By Wm. Falconer. A practical treatise on Mushroom Culture for profit and pleasure. \$1.50
Roses and How to Grow Them. A manual for growing roses in a garden and under glass. Illustrated, 12mo, 189 pages. \$1.10
The Small Fruit Culturist. By A. S. Fuller. Equally adapted to the needs and requirements of the private cultivator and the large grower. Illustrated. \$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

We can supply (at regular prices) any Horticultural book published. Send us a list of your needs and we will be pleased to quote prices.



Vick's Velvet Lawn Grass

To make a perfect lawn, good seed is absolutely essential. Vick's Velvet Lawn Grass is composed of pure seed, and contains no chaff or weed seed. Unsurpassed by any other mixture, regardless of price. Under ordinary conditions a velvet lawn is assured in a few weeks after sowing Vick's Velvet Lawn Grass Mixture.

Good results can only be obtained by using a mixture of several grasses. The different varieties of grasses are at their best at different times during the spring, summer and fall. Our Velvet Mixture contains the right kinds in correct proportions, and will produce a thick sod of rich deep green throughout the entire growing season. Only the highest grades of seeds are used. The White Clover in the Velvet Lawn Grass costs fifty per cent. more than the grade used in many mixtures.

IMPORTANT NOTICE. Do not mix Timothy or any other grasses with our Velvet Mixture. Rely on us. Our mixture is correctly proportioned, and will give you entire satisfaction.

Vick's Velvet Lawn Grass weighs twenty pounds per bushel. A bushel of our Lawn Grass will go fully twice as far as any of the ordinary mixtures of fourteen pounds per bushel we have ever seen.

Vick's Shady Spot Lawn Grass

In many places, especially in villages and cities, there is so much shade that ordinary lawn grass does not succeed. To meet such conditions we have arranged a special mixture based on our long experience with grasses, which we believe will give perfect satisfaction in nearly all locations. The seed used is thoroughly re-cleaned, free from weeds, and weighs twenty pounds per bushel.

Prices for either of the above mixtures, postpaid, per quart, 35 cents; per lb., 50 cents.

By express or freight, charges not prepaid. Pound 40 cents; 5 lbs., \$1.50; 10 lbs., \$2.90; 20 lbs., (1 bu.) \$5.25.

Use one quart of seed to the square rod; one pound to 450 square feet; 100 pounds (5 bushels), to one acre, (43,560 square feet).

| | | |
|--|---|--|
| For 1 acre, 43560 square feet . . . 5 bu. or 100 lbs. | For $\frac{1}{2}$ acre, 14520 square feet 33 $\frac{1}{2}$ lbs. | For 1-12 acre, 3630 square feet 8 $\frac{1}{2}$ lbs. |
| " $\frac{1}{2}$ " 21780 " " . . . 2 $\frac{1}{2}$ " 50 " | " $\frac{1}{6}$ " 7260 " " 17 " | " 1-16 " 2723 " " 6 " |
| " $\frac{1}{4}$ " 10890 " " . . . 1 $\frac{1}{4}$ " 25 " | " $\frac{1}{8}$ " 5445 " " 12 $\frac{1}{2}$ " | " 1-32 " 1362 " " 3 " |

Cover clay spots or subsoil from excavations with light surface soil. Settle and level by repeated rolling and raking. Rake in a liberal amount of Vick's Pulverized Sheep Manure. It will not burn the seed. Sow when the ground is ready and keep the lawn sprinkled if possible until the grass is well established.

HIGH GRADE ALFALFA

Enrich your land
Increase your crops
Fill your purse
by growing

HIGH GRADE ALFALFA

Free from Dodder
Free from Weeds
Free from Dirt



The demand for Alfalfa is growing at a surprisingly rapid rate. It has been proven that it can be grown successfully in nearly every part of the country. Here in New York State the acreage is probably ten times what it was five years ago. Any up-to-date farmer who does not look into the possibilities of putting a good field of Alfalfa on his farm, is neglectful of his own best interests.

We believe we were the first to bring a pound of Alfalfa Seed into Rochester. It was only a few years ago that we found it difficult to sell more than a few bushels, because of the prevailing notion that it could not be made to grow, except in favorable locations in the West or South. Today there are thousands of acres of Alfalfa here in New York State. We have three fields of Alfalfa on our own farms, and know that it is a money making proposition. It can be fed to all kinds of stock; in fact it makes more valuable hay and brings better prices than Timothy or Red Clover.

This year we have purchased a lot of Alfalfa specially grown for us at a high altitude and on dry land. It is certainly a beautiful stock, free from weeds, plump, and of a good bright color. For the farmer who is planning on a field of Alfalfa, which in all likelihood will continue to grow better for several years to come, it is all important that he should get best quality seed. At the present time Alfalfa Seed is cheaper than it has ever been before, but the markets are flooded with immense quantities of poor seed, some of which is imported, and some grown by inexperienced farmers, and nearly all of it contains more or less noxious weeds. It is more important than ever to be sure that the seed you buy is of good quality. Remember, our Alfalfa is tested by the Government Experiment Station. We do not intentionally send out a pound of Alfalfa which contains the slightest trace of dodder, or seed that has been adulterated in any way. If the price of our seed seems higher than you have been offered from some other source, remember there is probably a big difference in quality to account for it. We handle more Alfalfa than any other concern in this section of the State. We are able to secure the lowest prices; therefore we can sell the best grades as cheap as anyone, and the best is the only kind we care to sell. In the long run the best is always the cheapest.

We believe that every up-to-date farmer, whose trade is worth having, is willing to pay a fair price to secure the best seed. He knows that the price of the seed is only a small part of the cost of a crop. He knows that he cannot afford to put weeds on his farm and be obliged to reseed every season; and he knows also, that if he gets seed of a poor germination, in all likelihood he will have a poor stand and cut down the number of tons per acre.

This is the first time we have ever given a full page of our catalogue to the subject of Alfalfa, but we are doing it this year, believing it to be to the farmers' interest, and because we believe ourselves so very fortunate in securing this particular lot of seed. We feel the necessity of urging, however, that you send your orders as early as possible. Although we shall be prepared to ship 50% more seed than ever before, we confidently expect that our trade will call for every pound of this seed, and there is a possibility that if you put off your order too late, we may not be able to fill it.

Remember, that while we have the best stock of Alfalfa we have ever obtained, we are able to furnish it at a price no higher than a year ago, simply because we have purchased a large stock early in the Fall. We will be glad to send free sample. With every order we will include, or mail in advance, a pamphlet on growing Alfalfa.

PRICES. Ounce 5 cents, pound 40 cents, postpaid. By Express or Freight not prepaid, pound 30 cents, ten pounds \$2.50, thirty pounds \$7.00, sixty pounds \$12.50.

SPECIAL NOTICE. Since prices on all Clovers fluctuate, it is impossible to fix a price in December for spring sales. Quotations here given are those prevailing at the present time. For prices in spring, we shall have to be governed by market conditions. Just as soon as you are ready to purchase, send us an estimate of the quantity wanted and let us give you special prices.

EXTRA CHOICE GRASS SEEDS

Prices on bushels and 100 lbs. subject to change without notice. Markets on grass seeds vary from day to day. We invite inquiries and will cheerfully quote best prices by return mail.

At pound price we prepay postage. At 100 pound price by Express at Expense of Purchaser

(Not less than 10 pounds of any variety at the 100 pound price.)

Creeping Bent, or Fiorin (*Agrostis stolonifera*). Desirable for mixing with other lawn or pasture grasses, as it thrives in moist land, on which water does not stagnate. 2 to 2½ bushels per acre. Pound, 45 cents; 100 lbs., \$30.00.

Red Top, fancy (*Agrostis vulgaris*). Valuable in a mixture for either lawns, pastures, or meadows, growing in almost any soil, moist or dry. For lawns forty-five pounds; for pasture twenty-five to thirty pounds per acre. Fancy cleaned. Pound, 40 cents; 100 lbs., \$25.00.

Bermuda Grass (*Cyniaria Dactylon*). Invaluable for crop in the South, standing a greater degree of heat than any other known grass. Pound, \$1.50.

Sweet Vernal Grass, TRUE PERENNIAL (*Anthoxanthum odoratum*). The chief merit of this grass lies in its fragrant odor. In a mixture for lawns and pasture lands it is invaluable. Per lb., 75 cts.; ounce . . . 05

ANNUAL SWEET VERNAL, (*Anthoxanthum Puelii*). Per pound . . . 30

Tall Meadow Oat Grass (*Avena elatior*). Valuable for pasture. Four bushels to the acre. Bushel, 14 pounds. Pound, 40 cents; 100 lbs., \$25.00.

Hungarian Brome (*Bromus inermis*). A perennial grass especially suited to dry lands and regions subject to severe droughts. It does well in all part. of the country, North and South. It grows most rapidly in sandy soils, but will establish itself on the heaviest lands. 25 pounds of seed per acre. Pound, 35 cents; 100 lbs., \$22.00.

Orchard Grass (*Dactylis glomerata*). One of the very best pasture grasses exceedingly palatable to stock, will endure a good deal of cropping. One and one-half to two bushels per acre. Pound, 35 cents; 100 lbs., \$22.00.

Meadow Fescue (*Festuca pratensis*). Excellent pasture grass. Sow in a mixture with other grasses, as Orchard Grass, Rye Grass, or Kentucky Blue Grass. 40 lbs. per acre. Pound, 35 cents; 100 lbs., \$22.00.

Sheep's Fescue (*Festuca ovina*). Low growing grass, with an abundance of fine, narrow leaves. Valuable for grazing, especially on light soils. Pound, 40 cents; 100 pounds, \$25.00.

Perennial Rye Grass (*Lolium perenne*). Valuable for permanent pasture, in mixture with other pasture grasses. One and one-half to two bushels per acre. Pound, 25 cents; 100 lbs., \$9.00.

Italian Rye Grass (*Lolium Italicum*). Used in Europe for soiling. Gives early, quick and successive growth, till late in fall. Two bushels to the acre. Pound, 25 cents; 100 lbs., \$10.00.

Hungarian Grass (*Panicum Germanicum*). Valuable soiling plant. May be sown as late as first of July, and produce a large green crop. One bushel to the acre. Bushel, 48 pounds. Pound, 20 cents; bushel, \$2.50.

German, or Golden Millet. Medium early forage plant, prolific in stalk and grain; 38 pounds per acre. Bushel, 50 pounds. Pound, 20 cts; bushel, \$2.50.

Japanese Barnyard Millet (*Panicum Crus-Galli*). Enormously productive yielding from four to six tons of cured forage per acre, on rich soils. Six to eight feet in height. Sow in May. Broadcast, ten to fifteen pounds per acre; or in drills, eight pounds per acre. 32 pounds per bushel. Pound, 20 cents; 100 lbs., \$8.00.

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. One-fourth to one-half bushel per acre. Bushel, 45 pounds. Pound, 20 cents; bushel, market price.

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 kind, until winter; thrives on a variety of soils, but does best in dry and somewhat shady localities. Sixty pounds for lawn and twenty pounds per acre for pasture. Extra fancy, re-cleaned. Pound, 35 cents; per bushel, (14 lbs.) \$3.25; 100 lbs., \$22.00.

Special Grass Mixtures

These Mixtures are well proportioned. They are made up of the best grasses, both American grown and imported, for the purposes desired. All are permanent, and when once established, will last indefinitely, if the soil is kept up by occasional top-dressing.

Standard Hay Mixture. For general hay lands; containing six varieties of grasses. Pound, 35 cents; bushel, (14 lbs.) \$3.00.

Standard Pasture Mixture. For ordinary pastures, where the land is neither very wet nor very dry. Pound, 35 cents; bushel, (14 lbs.) \$3.00.

Dry Pasture Mixture. For high and dry pastures; containing grasses that withstand exposure and severe weather. Pound, 35 cents; bushel; (14 lbs) \$3.25.

Wet Pasture Mixture. Made up of grasses especially adapted to damp places. Pound, 40 cents; bushel, (14 lbs.) \$3.50.

All the above mixtures are made up to sow 42 pounds to the acre.



TIMOTHY



A CLEAN FIELD OF OATS FOR SEED

VICK QUALITY FARM SEEDS

At Pound or Quart, we Prepay Postage. Pecks or Bushels by Express or Freight at Expense of Purchaser.
Special Prices on Large Quantities

ARTICHOKE

Jerusalem Artichok (*Helianthus tuberosus*). Artichokes are planted like potatoes. Enormously productive and thrive in any soil. It is very hardy, and will stand freezing and thawing, and hogs will grow faster and become more healthy on this than on any other feed. **Quart, 35 cents; peck, 75 cents; bushel, \$2.50.**

BARLEY

Hulless. Hulless, like wheat, when threshed. Ripens early and yields about ten bushels more per acre than other barley. **Pound, 25 cents; peck, 75 cents; bushel, \$2.25.**

Early Russian Six-Rowed. For malting it has no equal; and the yield, as compared with other varieties, is enormous. **Peck, 60 cents; bu., \$2.00.**

Champion Beardless. Early and prolific. **Peck, 75 cents; bushel, \$2.25.**

Manshurey. The most productive six-rowed variety. Ripens early, with strong, stiff straw. **Peck, 60 cents; bushel, \$2.25.**

BEANS

Soja Bean (*Glycine hispida*, or *Soja hispida*). Valuable as a forage crop and for fertilizing the soil. Thrives well in hot and dry weather. Sow broadcast one-half bushel to the acre, or plant in drills three feet apart and one foot between plants. **Pound, 25 cents; bushel, \$3.50.**

Velvet Bean (*Mucuna utilis*). Used by farmers in the Southern States as a forage plant, and also as a fertilizing plant for turning under. Its nitrogen-gathering properties are said to surpass those of the Cow Pea. Stock readily eat the vines and leaves, and the beans when ground, with or without the pod, are used in place of oats or corn, and sometimes mixed with them. Two or three seeds planted four feet apart in rows five feet apart will literally cover the ground two or three feet thick with a mass of foliage and vines, no matter how poor the soil. **Pound, 25 cents; peck, \$1.50; bushel, \$5.00.**

BROOM CORN

Improved Evergreen. This variety is now grown more extensively than any other, on account of its straight, long, light green brush. It is very productive. Sow six pounds to an acre. **Pound, 20 cents; 100 lbs., \$6.00.**

COW PEAS

This pea has always been valuable for improvement of the soil. It is considered superior to clover for plowing under as a preparation for wheat, as it matures the first year from seeding. Plant seed in a thoroughly pulverized warm soil. If wanted to plow under for manure, sow in drills one foot apart. If grown for fodder, or for the seed, plant three feet apart and cultivate thoroughly.

New Era, Clay, Whippoorwill, Mixed.

All above varieties; \$1.00 per peck; \$3.50 bushel.

OATS

Swedish or Washington

THE IDEAL OAT FOR THE AMERICAN FARM

Swedish Oats grown on our farm the past summer yielded the largest, heaviest crop in the neighborhood. In fact, we have never seen a handsomer and plumper lot of Oats than our own farm grown stock. Seed weighs from 36 to 37 pounds to the measured bushel.

It is practically immune from rust, is the earliest and most bountiful cropper of the heavy growing sorts.

Pound, 25 cents; three lbs., 60 cents; peck, 50 cents; bushel, \$1.50.

RAPE, Dwarf Essex, English

Especially grown for feeding sheep, but cattle, pigs, and milch cows do very well upon it. Sheep should have access to a grass pasture, on which they will feed alternately with the Rape, thus keeping them in the best condition. A constant supply of salt in the Rape field is quite beneficial. For sheep pasture, sow in May, and it will be ready for pasturing in July and August. Or sown in June, or even up to the latter part of July, it will furnish a large amount of pasture or fodder. In drills, sow five pounds to the acre; broadcast, ten pounds to the acre. **Pound, 20 cents; 100 lbs., \$8.00.**

WHEAT

WINTER—Peck, 50 cents; bushel, \$1.60.

BUCKWHEAT

Japanese. The yield of this variety is largely in excess of the old sorts. The straw is heavier and more branching, kernels twice the size of the old kinds, and it ripens a week earlier. The flour from this variety is superior to that obtained from any other sort, except Silver Hull. **Pound, 20 cents; peck, 50 cents; bushel, \$1.50.**

Silver Hull. The best for flouring purposes. Kernels smaller than Japanese, silvery gray in color. **Pound, 20 cents; peck, 50 cents; bushel, \$1.50.**

FIELD CORN. See page 17

COLLECTIONS OF FLOWER SEEDS

That our friends may have gardens that will produce an abundance of blooms for cut flowers as well as for bedding purposes, we have prepared these collections, and offer them at special rates. They are packed before the opening of the season and cannot be changed in any way. No premium nor discount will be allowed on these Collections, but in all cases we prepay the postage.

Branching Aster Collection

This collection gives a full assortment of the colors found in the Branching Class. These are unsurpassed for cutting; a harmonious color scheme for decorative purposes can easily be selected from these eight varieties.

White, Pink, Rose, Crimson, Carmine, Purple, Lavender, Dark Violet

Packet, 10 cents; one packet each of eight colors, 50 cts., postpaid. See page 47

How to Grow Asters Their Culture and Care

Newly revised, enlarged and illustrated. Contains many new points of value, and is a practical instructor for the Aster grower. Free with an order for Vick's Aster Seed amounting to 25 cents, or sent postpaid on receipt of 10 cents without order for seed.

Climbing Nasturtiums

Who does not admire a brilliant display of Nasturtiums?

Their glowing colors are always beautiful when seen amid the rich green foliage. The climbing varieties in this collection are the very choicest selections from a large list, while the dwarf sorts have been tested and tried by thousands of our customers.

Eighteen varieties in separate packets, for 50 cents, postpaid. See page 64.

Collection of Dwarf Nasturtiums

Eighteen varieties in separate packets, 50 cents, postpaid.

Snapdragon (Antirrhinum)

The old favorite Snapdragon is growing in popularity as a bedding plant, owing to the great variety of colors and the long time the plants remain in bloom.

| | |
|--|-----|
| Bright Crimson..... | .10 |
| Striped | .10 |
| Yellow..... | .10 |
| White | .10 |
| Firefly, Scarlet with White Throat | .10 |
| Brilliant, Scarlet, Golden and White | .10 |
| Galathea, Crimson with White Throat | .10 |
| Rose | .10 |

Collection of eight packets, postpaid, for 50 cents.

Petunia Collection

| | |
|---|-----|
| Large-Flowering Single, Choice Mixed | .25 |
| Vick's Fringed, Mixed Colors | .25 |
| Giants of California, Mixed Colors | .20 |
| Single-Flowered Bedding, Extra Choice Mixed | .10 |
| Double-Flowered Bedding, Mixed Colors | .25 |

One packet each, postpaid, for 85c. \$1.05

Double Zinnia Collection

Eight Separate Colors.

Lilac, Purple, Crimson, Scarlet, Rose, Orange, Yellow, White.

Put up each color in a packet, postpaid, 30c.

Perennial Collection

A Permanent Flower Garden for \$1.00

From the tall Hollyhocks and Foxgloves to the creeping Forget-me-not. Beginning in early spring with the Hardy Candytuft this collection will yield a succession of flowers each year until late in autumn. Full cultural directions will accompany each collection.

| | | |
|---|---------|-----|
| Columbine (Aquilegia), New Large-Flowering Hybrids. | Page 54 | .10 |
| Candytuft (Iberis sempervirens), White. | Page 54 | .10 |
| Canterbury Bell, Single Mixed. | Page 60 | .05 |
| Coreopsis lanceolata, Yellow | Page 55 | .10 |
| Forget me-not (Myosotis palustris), the true perennial Forget-me-not, Blue. | Page 61 | .10 |
| Foxglove (Digitalis), Mixed Colors. | Page 59 | .05 |
| Blanket Flower (Gaillardia grandiflora). | Page 60 | .10 |
| Baby's Breath (Gypsophila paniculata), White, 2 ft. | Page 59 | .05 |
| Hollyhock, Double Mixed. | Page 59 | .10 |
| Iceland Poppy, Mixed Colors. | Page 68 | .10 |
| June Pinks (Dianthus plumarius), Double Mixed... | Page 58 | .10 |
| Larkspur (Delphinium), Large-Flowering Hybrids, Mixed. | Page 61 | .05 |
| Oriental Poppy, Scarlet. | Page 68 | .05 |
| Scabiosa Caucasica, Lavender | Page 73 | .10 |
| Sweet William, Single Mixed. | Page 70 | .05 |
| Shasta Daisy, White. | Page 73 | .10 |

16 packets, postpaid, \$1.00. \$1.30

Our "Hardy Plants, Old and New," beautifully illustrated, mailed free on request. Describes Hardy Plants, Roses, Shrubs and Climbers, with directions for culture and time of blooming.

Collection of Sweet Peas

No flower surpasses the Sweet Pea in popularity, but many people buy just "Sweet Peas" without thought of an assortment of colors or varieties. To overcome this we have put up this collection. If you haven't room for a garden you can surely grow a row of Sweet Peas near the fence—and just think how beautiful they are when in bloom. Each variety is packed in a separate envelope. The assortment of 20 varieties gives a general collection of colors, including all of the most desirable shades. Only the latest and best of the standard varieties are used in this collection.

Collection of twenty varieties, postpaid, for 30 cents.

Vick's Collection of Phlox Drummondii Grandiflora

Phlox is one of the most satisfactory Annuals for bedding, blooming early in June to late Fall. Nothing equals it for massing.

Fourteen different colors in separate packets for \$1.10. Seven different colors for 55 cents.

Vick's Collection of Verbenas

Striped Scarlet Pure White

Three varieties in separate packets, 25 cents, postpaid.

VICK'S FAMOUS ASTERS

We are making wonderful progress in the improvement of the Aster. Never since its introduction, one hundred eighty years ago, has there been a more rapid development than at present. Our new varieties for this year, described in our novelty pages, fully bear out this statement. No greater advance has ever been made in Asters in one year than is indicated by some of our 1913 introductions. We do not believe the future will show any halting in this forward movement. We wish that our customers might all see our Aster trial grounds during August and September. The extensive breeding work which we have undertaken with the Aster has opened up some wonderful possibilities and a succession of delightful surprises is in store, in the near future, for the admirers of this beautiful flower.



Part of a Field of Thirty Acres of Asters grown for Seed on our Elmgrove Farm

Vick's Branching Asters

Vick's Branching Asters are known wherever Asters are grown. The plants are large and vigorous, the stems long and strong, and the great fluffy flowers, as we now grow them, are double to the center. There are other Asters, exquisite in form and delicate of color; but Vick's Branching Aster is still the leading Aster in all the flower markets of the country and still holds the first place in the garden of the amateur.

Vick's Early Branching

The plants of the Early Branching Aster attain the size and vigor of the famous Late Branching, but blossoms from ten days to two weeks earlier. The few branches are free from side buds, the whole strength of the plant being given to the development of extra large, perfectly formed flowers on long stiff stems, making them especially desirable for cutting, for exhibition, or for sale.

Early Branching White, packet 10 cents
Early Branching Rose, packet 10 cents
Early Branching Lavender, packet 10 cents

Vick's Late Branching

The flowers of the Late Branching Aster are of extraordinary size, and are borne on long, graceful stems from fifteen to twenty inches in length. The plants are extra large and of strong growth, one plant often covering a space of two and one-half feet square. They are unexcelled for cutting, and are by far the most satisfactory late Asters grown. The plants begin blooming about August 15th and continue throughout the season, but they can be brought into bloom earlier by sowing seed in the house in March or April.



VICK'S BRANCHING ASTER

Vick's Late Branching

Snow White. The latest of Branching Asters. Plants exceptionally strong and continuing to produce their great balls of white bloom until after a hard freeze. Packet, 10 cents.

Vick's Pink. Opens nearly white, passing to a beautiful lavender pink, lighter in the center. Lasts particularly well as a cut flower. Packet, 10 cents.

PEACH BLOSSOM. (New). A deeper shade of color than Vick's Pink, and one that is certain to become very popular. The large flowers are extremely double. Packet, 25 cents.

Semple's Pink. An exquisite shade of light shell-pink. The large flowers are graceful in form. Packet, 10 cents.

Peerless Pink. Might well be called an "Improved Semple Pink." It has the same delicate, pleasing shade of pink, but a more double flower. Packet, 10 cents.

Deep Pink. The color of a deep pink Rose. We have had many calls for an Aster like this, with more color than the Light Pinks, and less than the Branching Rose. Beautiful, full double flowers. Packet, 10 cents.

Rose. Large plants and big, full double flowers of rich, deep rose. Packet, 10 cents.

Crimson. A rich, glowing color, especially effective by artificial light. Packet, 10 cents.

Rosy Carmine. Distinct, and beautiful—a bright rosy carmine. A lively brilliant color. Packet, 10 cents.

Lavender. A good clear lavender. A splendid strain of this useful color. Packet, 10 cents.

Purple. Beautifully formed, full double flowers of rich purple. Packet, 10 cents.

Dark Violet. An extremely, deep, glowing color. A deeper shade than Branching Purple. It has a peculiar velvety finish giving it an appearance of richness that is distinct and striking. Packet, 10 cents.

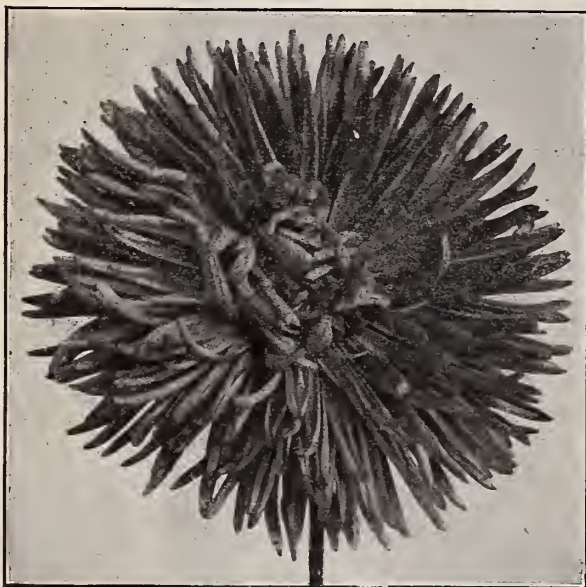
CLARET. (New). A very deep reddish purple. An entirely new shade in the Branching class. Packet, 10 cents.

Late Branching Aster. Mixed colors. Packet, 10 cents.

VICK'S KING ASTERS

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of any other class. The plants are large and the stems exceptionally long and strong.

There are few Aster growers who do not know the Violet King, which we introduced in 1906. It has probably won more prizes in the last few years than any other variety in the world. In 1910 we introduced the Rose King, which at once became a great favorite. In 1912 we added two new and beautiful King Asters, differing from the Violet and Rose King not only in color but in habit of plant, and within one or two years we shall have some charming new colors to add to this list of royalties.



VICK'S VIOLET KING

Vick's Violet King

Vick's Violet King blooms at the same time as Vick's Late Branching. The plants have a similar habit of growth but the stems are exceptionally long and strong. The immense flowers are a rich violet purple. The flower is quite thick, with a full center which is usually twisted into a strong "whorl" in the freshly opened flowers. The peculiar formation of the petal makes the flowers doubly effective in appearance. A vase of Violet King Asters is an object not only beautiful, but bold and striking. Packet, 15 cents.

Vick's Pink King

In color the New Pink King is a beautiful and delicate lavender-pink, very much like the now famous "Rochester" Aster. It has long, narrow petals, partially folded lengthwise, and the flowers are borne on upright plants. In fact it is identical with White King in the size, character and quality of its flowers, and in the growth of the plant and the season of bloom. The four Kings make a royal group that should be in every garden. Packet, 25 cents.

Vick's Rose King

Vick's Rose King is a bright deep rose. It differs in color only from the now well known Violet King. The peculiar formation of the petal is identical and the flower is equally large and well formed. It has the same strong habit of plant and the same season of bloom. Packet, 15 cents.

Vick's White King

Ever since the introduction of the famous Violet King Aster we have been working to get a set of colors of this splendid type of flower. The appearance of the brilliant Rose King was encouraging, but, after all, it was the light colors that we were most eager to see. We are now proud to offer our customers two new varieties in the King class, both light colors. The new White King has the same narrow petal as the older varieties, but the petal is not quite so strongly folded. This gives the flower a somewhat softer appearance. The cut flowers have the splendid lasting quality characteristic of the King class of the Asters. In season, the White King blooms with the late branching, and has all the vigor of that famous class of Asters. The plants however are upright in growth, differing in this respect from the Violet King and the Rose King. Packet, 25 cents.



VICK'S WHITE KING

VICK'S WHITE PERFECTION (New)

We consider this the finest mid-season White Aster in cultivation. Grown under ordinary farm conditions, the flowers averaged four inches in diameter. They are exquisite in form, and the plants are taller than those of the late upright Asters. When first opened the entire flower is strongly whorled, producing a charming effect. The broad petals are slightly folded lengthwise, making them appear rather narrow. In mature flowers, the outer rows of petals are straight, but the center still retains its characteristic strong whorl. The plants are extremely vigorous, with unusually broad dark green leaves and stout stems. They carry about twelve large flowers on long stems free from side branches. **Packet, 25 cents.**

VICK'S BLUSH PERFECTION (New)

An exquisitely dainty companion to the White Perfection. The flowers are equally large and have the same beautiful whorled form, but the color, instead of being snowy white, is an extremely delicate shade of flesh pink. The plants are similar in height, season of bloom and number of flowers, but the Blush Perfection makes a more slender growth. **Packet, 25 cents,**

VICK'S ROYAL ASTERS

A new class of Asters in which the petals are very broad and distinctly incurved or shell-shaped. The peculiar shape of the petals gives an effect of shading that enhances the beauty of the color. The flower has a charming grace and a Chrysanthemum-like effect. In size the flowers are like the Late Branching Asters, and the plants have the same sturdy vigor but are not so tall, as they branch close to the ground. In season they are earlier than the Branching Asters, remaining in bloom a long time. Many of our customers already know Vick's Royal Purple, the forerunner of this magnificent class. To this we have added three new colors, we now offer:

Vick's Royal White. The broad petals are a beautiful glistening white. **Packet, 20 cents.**

Vick's Royal Pink. A dainty shell-pink. **Packet, 20 cents.**

Vick's Royal Lavender. Beautiful shade of lavender. **Packet, 20 cents.**

Vick's Royal Purple. A rich deep purple. **Packet, 20 cents.**



VICK'S ROYAL ASTER



VICK'S PINK ENCHANTRESS

**Vick's Pink Enchantress
Aster**

This splendid Aster introduced by us in 1912, was highly commended by our customers, and large quantities will be grown the coming season by commercial florists. The immense flowers of a soft delicate pink, are borne on strong upright plants. The color is that of the popular "Pink Enchantress" Carnation. In Asters the color is between that of Vick's Daybreak and the Semple's Pink Branching. This color, although very delicate does not fade. The plants are tall and strong and the flowers are the size of those of the largest Branching Asters. The flower is made up of broad petals, loosely arranged, and the effect is indescribably soft and pleasing. Nothing could excel in refined beauty a vase of Vick's Enchantress Pink Asters. **Packet, 25 cents.**

VICK'S NEW CARDINAL**A Scarlet Bedding Aster**

The best bedding Aster ever introduced. The nearest approach, in the Aster, to a true scarlet. It has a very long season of bloom. The buds are a rosy carmine; the fully open flowers, which develop quite slowly, are a brilliant glowing cardinal, gradually fading to a deep crimson. The whole plant has a dark, rich color; even the dry and withered flowers retain so much color that the plant does not become unsightly. In the new strain of Cardinal now offered the middle of the flower is filled with long quill-like florets, so that it never shows a yellow center. **Packet, 25 cents.**



Vick's Mikado Pink "Rochester"

No flowers introduced in recent years has created such a furor as this magnificent Vick's Mikado Pink Aster, "Rochester." Within a year after we first presented it to the public, the Chamber of Commerce of Rochester recommended that it be adopted as the official flower of the city, and requested Mr. Vick to rename it "Rochester." **The "Rochester" Aster is today the Premier of the Lavender-Pink Asters.** Like all the flowers of the Comet class, the petals of the "Rochester" are narrow, very long, and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl across each other in such magnificent disorder, as to make the fluffiest Aster we have ever seen. In color it is the most exquisite shade of lavender-pink, being a happy medium between the color of Vick's Branching Pink and Vick's Daybreak. For a mid-season pink this Aster is without a rival. In season it is a little later than the White Mikado. The plants are unusually vigorous and it is not uncommon, to find one with a dozen long, strong, graceful stems, each crowned with flowers from four and a half to six inches in diameter. **Packet, 25 cents.**



Vick's Lavender Rochester Vick's Purple Rochester

It is no exaggeration to say that these marvelous Asters are far in advance of any heretofore offered.

Vick's Lavender Rochester and Vick's Purple Rochester are new colors in this splendid type of Aster and they are even larger, more double and more chrysanthemum-like than the original Pink Rochester. A correspondent of *Horticulture*, the leading Horticultural magazine of New England, visited our seed farms the past season. In the issue of October 26th, he says, referring to the new lavender and purple Rochesters: "There were flowers in Vick's trials this summer like perfect incurved Chrysanthemums, and actually larger and more double than the early Chrysanthemums."

The illustration, greatly reduced, fails to show the wonderful thickness of these great masses of shaggy petals. The stout stems are few in number and mostly without side branches. Having only a small quantity of seed of these varieties, we had not intended to offer them until 1914. So many requests for seed of these "New Rochesters" have come from those who saw them in bloom on our farms last summer that we have decided to sell a limited number of packets this season.

Vick's Lavender Rochester. A clear light lavender color, just the shade in greatest demand by the florists. Packet 50 cents.

Vick's Purple Rochester. A deep rich purple. Packet 50 cts.

Vick's Upright Rochester (New). Identical in color and formation of flower with the original Rochester, but strong, upright plants. The large, full double flowers, a little smaller than those of the branching Rochester, are borne in great profusion on long slender stems. A row of the Upright Rochester in bloom is a solid bank of pink. Packet, 25 cents.

Vick's Mikado Asters

The White Mikado was the forerunner of this beautiful group of Comet Asters. The great shaggy, white flowers are made up of petals that are curled and twisted so that the flowers resemble fine white Chrysanthemums. The flowers are carried on stems of good length. The plants have a spreading habit, similar to that of the Branching Asters.

Vick's White Mikado, is among the earliest of the mid-season Asters to bloom, coming immediately after the extra early varieties. Packet, 20 cents.

Vick's Rose Mikado. A deep, brilliant rose color. Like the White Mikado except in color. Packet, 20 cents.

Vick's Dark Violet Mikado (New). A rich, deep purple violet. The flowers are full double, very decorative in character and borne on good stout stems. Packet, 25 cents.

Late White Mikado, or Hohenzollern

Immense, pure white flowers, like great ragged Chrysanthemums, blooming at the same time as the Late Branching Asters. It is, in effect, a Comet flower on a Late Branching plant. Packet, 20 cents.

Crego Pink Aster

The Crego Pink is a large Comet Aster with the beautiful shell-pink color of Simple Pink Branching, but a trifle lighter in shade. The plant has the size and the habit of the Branching Asters. It blooms after Vick's Rochester, and before the Branching varieties. Packet, 10 cents.

Giant Comet

A superb class, having long, wavy, twisted florets, which are formed into a head $3\frac{1}{2}$ to $4\frac{1}{2}$ inches across. One of the most perfect of Asters, and should be included in every collection. The plants are upright in growth and bloom in mid-season.

Separate colors, white, rose, crimson, light yellow, lilac and white, dark violet, rose and white, light blue, light blue and white, azure blue and white, white passing to light blue; the Bride, (white deepening to pink).
Any three for 25 cents; each... 10
Mixed colors 10

Vick's Lavender Gem

When first open the flower is an exquisite lavender, deepening with age. The flower is always full double. The fluffy effect of the Ostrich plume type, to which it belongs, is enhanced by the fact that it bears a large proportion of long, partly tubular florets, which are irregularly cut and slashed, so that the flower looks like a ragged Chrysanthemum. The flowers are borne in profusion on long, slender, wiry stems. The plant is erect and of medium height, branching close to the ground and shows no tendency to produce single or semi-double blooms. It blooms between Queen of the Market and Vick's Daybreak, and is classed with the early sorts.

Packet, 20 cents.

America

An ideal Aster for a pot plant, for cemetery use, or for a border. The abundant large flowers are a beautiful light pink, double to the center, and remain fresh on the plant a long time. The upright, compact plants are thickly clothed to the base with dark, shining leaves. Packet, 25 cents.

VICK'S IMPERIAL ASTERS

The Imperial Asters comprise a collection of mid-season varieties distinguished by their delicacy of coloring, their profusion of bloom and the extreme doubleness of their flowers. The vigorous plants are upright in growth and produce stems of good length. The large flowers are so double as to be veritable balls of bloom. In most of the Imperial varieties the petals are narrow, straight, and sometimes slightly folded lengthwise. Vick's Daybreak, introduced by us in 1897, and Vick's Purity introduced in 1899 are now the best known and most widely used of all midseason Asters. We believe that the various other colors will prove equally popular when they are as well known.

Vick's Imperial Daybreak

Owing to a crop failure of Vick's Imperial Daybreak, we have no seed to offer this year. Our new **Giant Daybreak** is offered and described on the following page.

Vick's Imperial Giant Purity

This magnificent, new strain of Purity, introduced by us in 1912, is bigger and better in every way than the famous original. The tall plants are crowned with snow white globes of bloom fully as large as the flowers of the Late White Branching Asters. This is one of the best of all of the Asters we have introduced. **Packet, 15 cents.**

Vick's Imperial Lavender

A delicate shade of palest lavender. Resembles Daybreak in size, in form and in season. The lavender tint is about the same depth of color as the pink of Daybreak. A refined and dainty flower. **Packet 15 cents.**



PLANT OF VICK'S IMPERIAL LAVENDER ASTER
Imperial Collection of six separate varieties \$.75



VICK'S IMPERIAL SUNRISE ASTER

Vick's Imperial Sunrise

Unique in form. Exquisite in beauty. The only needle Aster that is beautiful when judged by modern standards. This seedling of Daybreak is the strongest growing of any of the Imperial class, except the new Giant Purity. The flowers are a beautiful clear pink in color, of a little deeper tone than Daybreak. The large globular flowers are made up of long petals that are perfectly quilled. The older varieties of needle Asters were stiff and formal looking. Sunrise is one of the daintiest flowers imaginable. The soft clear coloring of the slender needles, shading delicately to the center defies description. **Packet 25 cents.**

Vick's Imperial Sunset

A delicate tint of creamy pink shading to a deeper pink at the center. Imperial Sunset has the general character of the Imperial class. The dainty coloring is unusual in Asters. **Packet, 15 cents.**

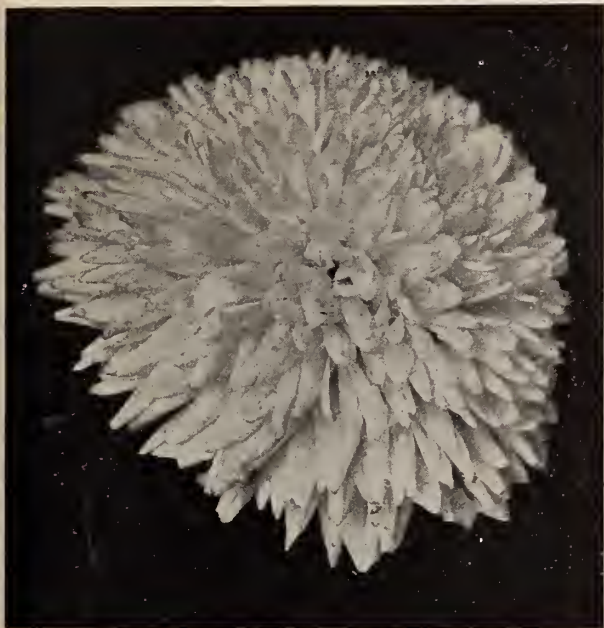
Vick's Imperial Salmon

A new color in Asters, A pale shade of pinkish salmon. The freshly opened flowers are a most exquisite color. **Packet, 15 cents.**

Vick's Imperial Yellow

A pale lemon yellow, flushed with pink. Nature does not yield readily to the introduction of the color yellow in the Aster. Imperial Yellow is the only Aster so far produced that combines a decided tint of yellow and a good flower. The flowers of Imperial Yellow and Imperial Salmon are not so large as those of the other Imperials; but they make up in rare and dainty coloring what they lack in size. **Packet 15 cents.**

Imperial, all colors mixed, including several colors that we have not yet listed. **Per Packet 15 cents.**



VICK'S GIANT DAYBREAK

VICK'S GIANT DAYBREAK (New)

This newest addition to the Imperial family is so extremely double that there is not room for all of the florets to develop and have the flower retain a globular form. As the flower matures the center florets continue to expand until, at length, the flower actually becomes conical in outline. The new Giant Daybreak is a delicate light pink, a slightly deeper shade of color than the original Daybreak. The petals are a little reflexed or bent backward and the edges are also slightly rolled. In fact, the flower is unlike any we have previously seen. The plant is considerably taller than the typical Imperial Aster and the flowers, which are very large, are borne on long slender stems. Packet, 25 cents.

Vick's Late Upright Branching Flowers Upright Plants

A new strain of Asters combining the upright growth of the earlier varieties with the flowers, the season and the foliage of the Late Branching. The upright habit admits of closer planting and the flowers are less likely to be soiled by storms.

Vick's Late Upright White. Similar in flower and season to the Late Branching, but upright in growth. Packet, 15 cents.

Vick's Late Upright Pink. The flowers are very large full double and of the true Branching type. The color is a beautiful lavender pink, resembling the Vick's Pink Branching, but showing more color in the opening flower. The very full center, however, remains white for a long time, contrasting beautifully with the deep lavender-pink of the outer petals. The plants are strong and leafy, showing great vigor. In season, Vick's Late Upright Pink is one of the latest in the whole list, and will furnish fresh flowers after most other varieties are gone. Packet, 15 cents.

Vick's Late Upright Rose. Identical with Late Branching Rose in flower and season, differing only in its upright growth. The flowers are large and very double. Packet, 15 cents.

Vick's Late Upright Crimson. A deeper, richer, more glowing color than the Late Branching Crimson. One of the richest colors in the whole range of Asters. The flowers are larger than those of the Branching Crimson and the season is somewhat later. The strong, rugged plants are well clothed with broad leaves. Packet, 15 cents.

QUEEN OF THE MARKET

Largely grown by commercial florists for cut flowers and for early market. The plants have an open, spreading habit, and the large double flowers have a loose and graceful appearance. Seed should be sown quite early in the house.

| | | | |
|------------------------------------|----------|----------------|-----------------------|
| White, | Flesh, | Peach-blossom, | Rose, |
| Crimson, | Scarlet, | Lavender, | Light blue, Dark blue |
| Separate colors, each 10 | | | |
| Mixed colors 10 | | | |

VICTORIA

One of the finest. Two feet high; habit pyramidal; flowers large; having, with one or two exceptions, the greatest range of colors of any of the Asters.

| | | | |
|----------------|-----------------|---------------|---------------------|
| White. | Rose and White. | Dark Scarlet. | Dark Blue and White |
| Apple-blossom. | Crimson. | Light Blue. | Violet. |
| Peach-blossom. | Dark Crimson. | | |

| | | | |
|------------------------------------|--|--|--|
| Separate colors, each 10 | | | |
| Mixed colors 10 | | | |

LADY ASTER

Tall slender plant, with leaves so narrow as to make it quite distinct in appearance from any other Aster. Profusely covered with ball-shaped flowers about an inch and a half in diameter, borne on slender stiff stems.

| |
|---------------------------|
| Mixed colors 10 |
|---------------------------|

QUILLED GERMAN

A showy class, from one and a half to two feet high, with quilled flowers and branching habit.

| |
|--------------------------|
| Mixed colors 5 |
|--------------------------|

TRUFFAUT'S PEONY-FLOWERED PERFECTION

A standard Aster, two feet in height, blooming very freely; the flowers are large, very double, peony-like, the florets mostly incurved.

| | | | |
|--------|-------------|---------|----------|
| White, | Light Blue, | Violet, | Crimson, |
| Rose, | Scarlet. | | |

Amethyst. A superb color in the Peony-flowered race. Flowers open nearly white, changing to a beautiful amethyst. 10

| | | | |
|------------------------------|--|--|--|
| Separate colors 10 | | | |
| Mixed colors 10 | | | |

VICK'S GIANT TRUFFAUT, ROSE COLOR (New)

A magnificent new American strain in this old standard class. The plants are very much taller and stronger than the typical Truffaut and bear long stemmed, massive double flowers. The plants have the size and vigor of the Late Upright Asters, but come into bloom a little earlier, and the flowers have the peculiar incurved petals of the Truffaut class. Packet . 25

MIXED ASTERS

| |
|---|
| All classes and colors mixed in great variety 5 |
|---|



VICK'S LATE UPRIGHT PINK

AGERATUM

The Ageratum is interesting on account of its neat, bushy habit, and its pretty brush-like flowers, which are produced in clusters constantly all through the summer. Seeds may be sown in a mellow seedbed in the open ground, or under glass early in the season. Annual.

- Grandiflorum album.** A large-flowering pure white variety. The plant is of medium height and vigorous growth, and has luxuriant green foliage, above which the relatively large flowers of beautiful shape are gracefully upheld by long stalks 5
- Lasseauxii.** Compact plant; flowers pink; 18 inches 5
- Swanley Blue.** A fine, large-flowering dwarf variety; flowers deep blue. Ounce, 30 cents 5
- Little Dorrit.** Plants six inches high and one foot through, covered with a mass of azure blue flowers 5
- Little Dorrit White.** Same as above, except in color of flower 5
- Blue Perfection.** A new and splendid dwarf dark blue bedding variety, the darkest of all blue Ageratums that can be grown from seed 5
- Princess Victoria Louise.** A beautiful Tom Thumb variety, differing from all others by its beautifully colored flowers, bright blue with white center, the contrast being really exquisite 5
- Mixed varieties.** Ounce, 30 cents 5

ALYSSUM

Small white flowers, delicately fragrant, valuable for cutting and for bedding. Sow in early spring or even the previous autumn. In the border the plant is covered with bloom the entire season. For winter bloom sow the last of August, thinning to about a dozen plants for a good sized pot or basket. When out of bloom cut back for a second crop of flowers.

ANNUAL

- Sweet Alyssum.** Ounce, 25 cents 5
- Little Gem.** Dwarf, compact. Not over six inches high. Covered with fragrant white flowers the entire summer. Ounce 40 cents. 5
- Carpet of Snow.** As the name indicates, this variety forms a close mat completely covering the ground with white bloom. Ounce 40 cents. 10

PERENNIAL

- Gold Dust (Alyssum saxatile compactum).** Hardy, compact growth, producing a mass of golden yellow flowers in early spring. Of easy culture and much used in rockeries. Ounce 25 cents 5



SWEET ALYSSUM

ANTIRRHINUM (Snapdragon)

This fine old-fashioned flower is again becoming very popular. It has been greatly improved in recent years. As a bedding plant it blooms continuously until late in the fall. The long spikes of brilliant colored flowers are valuable for cutting, and it is now extensively grown under glass for cut flowers in winter. Grows two to three feet high. Sown in early spring it blooms freely the first season. For early flowers sow seed in midsummer and protect the young plants over winter. Plants from seed sown in the spring will live over winter if not allowed to bloom much the first year. They should have some protection in winter.



Purple King (New). The first of a new class of Snapdragons. Much larger than the present "Giant Flowered." The immense flowers of Purple King are a deep, glowing purple. Splendid for decorative purposes. 25

- New Giant-Flowered.** Fine flowers, double the size of ordinary sorts, of a rich velvety texture. 10
- Bright Crimson; Brilliant; Chamois; Deep Scarlet; Firefly; Galathe; Yellow; Rose; Striped; White,** each 10
- Collection of eight varieties in separate packets 50 cents, postpaid. 10
- Extra Fine Giant-flowered Mixed.** Ounce, 70 cents; each 10
- Fine Mixed.** Ounce, 50 cents; each 5
- Queen Victoria.** Very large, pure white, superb 10

ALLEGHENY VINE

Adlumia cirrhosa. (Wood Fringe, Mountain Fringe, or Climbing Fumitory) This graceful hardy climber deserves a place in every garden. Its delicate feathery foliage closely resembles that of the Maiden-Hair Fern, and its panicles of drooping flesh-colored flowers, resembling the Bleeding Heart, completely cover the plant. For covering trellises, tree stumps, etc., it is very desirable. It is biennial, but re-sows itself, and when once established will remain for years. Sow seed in the spring, in a cool damp place, and transplant in autumn. Blooms first year from seed 10

AMARANTUS

Sunrise. The most brilliantly colored of the *Amarantus*, lower leaves dark maroon, while the top of the plant is a glowing crimson-scarlet. The plant grows about four feet high, and takes on its most striking colors about the first of August. Seed may be sown outdoors where the plants are wanted, and plants should be thinned about a foot apart. A striking and ornamental plant when placed in front of shrubbery or massed in a separate bed 15

- All varieties mixed 5

AQUILEGIA (Columbine)

One of the most beautiful of the hardy perennial plants. The graceful and peculiarly shaped flowers are borne on slender stems well above the handsome foliage. Plants grow two to three feet high. Seed sowed any time up to mid-summer will produce plants that will begin to bloom the following May. Perfectly hardy and of easy culture.

- Canadensis. Our native scarlet and yellow Columbine 5
- Carnation or Striped. White, with red stripes; double. Eighteen inches 10
- Glandulosa (major). Dark blue, very fine 5
- Glandulosa vera. Large, erect, dark blue flowers; pure white corolla. . 10
- Nivea grandiflora. Large white, semi-double flowers 5
- Mixed varieties, single or double, each 5

LARGE FLOWERED VARIETIES WITH LONG SPURS

- Chrysantha. Beautiful canary yellow from New Mexico and Arizona. Three feet 5
- Corulea (Rocky Mountain Columbine). Sky blue and white. Superb 10
- Skinneri. Yellow; with scarlet spurs; the sepals greenish orange. Beautiful 10
- New Large Flowering Hybrids. Many beautiful shades. Long spurred, large flowers. 10

ASPERULA

- Azurea setosa. A charming, profuse blooming hardy little annual, bearing fragrant sky-blue flowers all summer. Fine for edging. One foot. . 5
- Odorata. A perennial of delightful fragrance; it is the Mayflower of the Germans, being used in their Maitrank or May wine. The flowers are pure white, and the whole plant is often dried and preserved for its perfume. If kept among clothes it imparts an agreeable odor to them. Six inches . 5

BALSAM (LADY'S SLIPPER)

The seeds of this popular annual should be sown in the house, or in a warm, sheltered spot in light soil in the garden, after the ground has become warm. When plants are an inch or two high, transplant the seedlings four or five inches apart, so that they may have light and air on all sides, and by the time they are about four inches high transplant to their permanent place. Set the plants at least a foot apart, in well enriched soil. Two feet high.

- Camellia-flowered. Superb double flowers in white, deep blood red, spotted or striped, each. 10
- Camellia-flowered. Mixed, many beautiful shades 10
- Common Double. Occasionally only semi-double. Ounce 50 cents . . . 5



ANNUAL CHRYSANTHEMUMS



ANNUAL CALLIOPSIS

CALLIOPSIS

Plants about two feet in height, of slender growth, and should be given plenty of room to spread. The flowers are of various shades of yellow and orange, variegated with rich velvety crimson or maroon. These graceful flowers are excellent for bouquets, their warm and brilliant tints harmonizing well with all other colors. The seed grows very readily, and may be sown where the plants are to flower. Annual.

- Coronata. Plants compact and of a bright rich green. Blooms early and continues until late fall. Flowers golden yellow, about the size of a silver dollar 5
- Drummondii (Golden Wave). Plants bushy, compact, covered with rich golden yellow flowers, chestnut-brown center 5
- Dwarf Varieties Mixed. Fine for edging or pots 5
- Tall Varieties Mixed 5

COREOPSIS

- Grandiflora. One of the best hardy perennials. Very free-flowering. The large, showy, golden yellow flowers are borne on long stems, and will last a week or more when cut, making them very desirable for that purpose. Will grow anywhere. Two to three feet 10
- Lanceolata. Similar to the above. Used extensively for cut flowers . . 10

CHRYSANTHEMUMS

The glorious and showy autumn-blooming Chrysanthemums, so much admired and cultivated, have their relatives among summer annuals, which are easily raised from seed. They are free-blooming, showy border plants, and the flowers are very desirable for cutting. Seeds can be sown in the open seedbed, 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. Pinch back until July 15th, to make branching and stocky plants.

ANNUAL VARIETIES

- Golden Feather. Plants semi-dwarf, with yellow foliage. Mixed colors 5
- Single varieties. Mixed colors 5
- Double White, Double Yellow, and Double Mixed, each. 5

Hardy Chrysanthemums

Seed of Perennial Chrysanthemums should be sown in February or March, in the house. If slightly covered, and placed in a warm temperature, they will soon germinate. If the seedlings are pricked off at once into pots and placed near the glass, good plants will soon be obtained. By the middle of May they may be planted out of doors. For after treatment see Plant Department.

- Marguerite, or Paris Daisy. Elegant bushy plant, one to two feet high. Blooms all summer in the garden, and fine for winter flowering. Flowers white, star-shaped, 10

BARTONIA AUREA—Golden Barton. Its large and exceedingly brilliant glossy yellow blossoms are borne well above its gray thistle-like foliage, and are produced in great profusion all summer. Fine for masses or single plants. Seed should be sown where the plants are to stand, as they do not bear transplanting. Annual. Two feet. 5



CANDYTUFT, EMPRESS

COCKSCOMB (CELOSIA)

Celosias are interesting and brilliant annuals, and when grown from Vick's Selected Seeds 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.

COCKSCOMB.

- Crimson Giant. One of the largest and brightest Cockscombs 10
- Glasgow Prize. Large dark crimson comb 10
- Empress. Leaves dark maroon; heads crimson. Fine 10
- Choice varieties mixed. Brilliant colors 10

FEATHERED CELOSIA

The Feathered Celosias have feathery plumes of great size and beauty. The following are the best of this class in cultivation, and come true from seed.

- Pride of Castle Gould. The new Ostrich Plume Celosia. An entirely distinct type of the Feathered Celosia. Pyramidal compact growth of from two to three feet, covered with immense extra fine feathered heads, a most striking and unique appearance. Several brilliant colors. Unsurpassed as a pot plant, or for bedding. 25
- Superba plumosa. Superb feathered, bright crimson 5
- Thompson's Superb Feathered. Splendid. One of the best of the late introductions 10
- Golden Plume. Bright golden yellow. Habit pyramidal 5
- Mixed colors 5

Cypress Vine. *Ipomœa Quamoclit.* One of the most graceful and beautiful of garden vines. For training upon a light trellis it is unexcelled. Its scarlet or white flowers are produced in profusion, and its finely-cut foliage is well adapted to ornamental work. When plants are set in rich soil, where they are to grow, they will reach a height of ten feet; or, if planted thick, they will soon make a screen of the most exquisite foliage and flowers. Soak the seeds over night in warm water before sowing. Scarlet, white or mixed each, per ounce 25 cents 5

BALLOON VINE—*Cardiospermum, Love-in-a-Puff.* A rapid-growing summer climber, with small white flowers, followed by curious inflated seed-vessels. Sometimes grown in pots on verandas, etc. Annual 5

CANDYTUFT

Candytufts have long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, the seeds being sown where the plants are to bloom. Sow in rows six to eight inches apart, and thin out the plants so that those remaining will have plenty of room. The soil should be rich and when blooming time comes keep the plants well watered.

- Purple, White Rocket, Carmine, Lavender, Flesh, Extra Dark Crimson, ounce, 30 cents 5
- Mixed colors of above six varieties, ounce, 20 cents 5
- Empress. A pure white variety, of large size, and the finest in cultivation. Strong, free grower, producing large trusses of flowers, on candleabra-formed branches; individual flowers of large size. After devoting several years to selecting and saving seed from only the most perfect flowers, we have succeeded in procuring an extra fine strain of this grand variety. Ounce, 50 cents 10
- Pinnata. Compact plants with fine feathery foliage and pure white flowers. Splendid for edging. Retains a neat appearance throughout the season 10

CANDYTUFT, HARDY

Handsome, hardy perennial plants, well adapted for permanent borders or clumps. Valuable for early decorating.

- Iberis sempervirens.* White, one foot 10
- Gibraltarica.* Large, showy flowers; lilac, shading to white. One to two feet in height, 10

CAMPANULA (BELL FLOWER)

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, they are not really as beautiful as the old single bell; they lose that light transparent grace that is so attractive in a flower.

- Medium (Canterbury Bell). Flowers large. Plants two feet high. Single or double mixed, each 5
- Single Pink (New). A soft delicate shade. This color, combined with the charming form of the Canterbury Bell, makes one of the most beautiful of all hardy flowers 10
- Cup and Saucer (*Calycanthema*). Beautiful form of Canterbury Bell with a large "saucer" at the base of the flower. 5
- Carpatica. Hardy perennial, six inches high, blooming the whole season. White and blue, mixed 5
- Pyramidalis (Chimney Bell flower). Hardy, pyramidal plants three feet high, bearing hundreds of beautiful cup-shaped flowers. Suitable for the garden or pots. Blue and white, mixed. 5
- Grandiflora (*Platycodon*). Hardy perennial, producing large broad bell-shaped, showy, deep blue flowers, during the whole season. Very desirable for planting in permanent borders or among shrubbery . . . 10

CANNA

The Canna will bloom from seed the first year if the seed is sown early. Seeds should be soaked for twenty-four hours in warm water before sowing.

- Crozy's New Hybrids. Gorgeous bedding plants, dwarf in habit, early bloomers, and remarkable for beauty, size of flower and foliage. If seeds be sown before April in hotbed or greenhouse, the plants will bloom in July, and continue until frost. These plants may be potted in the fall and kept blooming through the winter, or the roots may be taken up in late fall and re-planted the following spring. Mixed varieties; ounce, 25 cents. . . 10
- Madame Crozy. Brilliant vermilion-scarlet, bordered golden yellow. . . 10
- Mixed Tall Varieties of the old types. Among these are many fine colors not represented in the newer sorts. Ounce, 25 cents 5
- Dark-leaved varieties mixed, ounce 25 cents 10

COSMOS

A strong grower, having elegant feathery foliage. Seed sown in the house or hotbed in March or early in April, and the young seedlings transplanted to the open ground as soon as the weather is warm, will produce plants three to seven feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across. The flowers are of various shades from pure white to purplish crimson. Unsurpassed for cutting. Annual.

- Mammoth Perfection. A vast improvement over the old sort; flowers double the size, the petals being broader and over-lapping, forming a perfectly round flower. Fine for cutting for bouquets and vases, keeping several days in water, and lasting out doors until cut down by frosts. Pure White, Pink, Crimson, each 10
- Mammoth Perfection Mixed. 10
- Dawn, Early Dwarf, Large-Flowering. More bushy and compact than the other varieties, and grows only about four feet, while all others attain a height of six to seven feet. The flowers are fully as large as those of the old sort, pure white, with a tinge of rose. They commence to bloom in July and last until frost 10
- Giant-Flowering Lady Lenox. This gigantic Cosmos is six to seven inches in diameter. Color shell pink, lighting up beautifully at night. When cut and placed in water it lasts a long time. Plants strong and vigorous, growing six to seven feet high 10

CENTAUREA

Hardy annuals, of easy culture, and general favorites in the garden and for cut-flowers. Sow early where plants are desired to bloom. Thin to one foot or more apart each way.

- Cyanus (Bachelor's Button, Corn Bottle, and Ragged Sailor; known in Germany as the Kaiser Blumen and Corn Flower). Blooms in any situation. Eighteen inches to two feet. Mixed colors, ounce, 25 cents 5
- Emperor William. Fine dark blue. 5
- Pure White 5
- Americana. Three to five feet. The lavender flowers, four inches in diameter, on long stems. Handsome 10
- Suaaveolens (Yellow Sweet Sultan). Large fragrant flowers produced all summer. Fine for cutting. Two feet. 5

Imperialis Large-Flowering Sweet Sultan

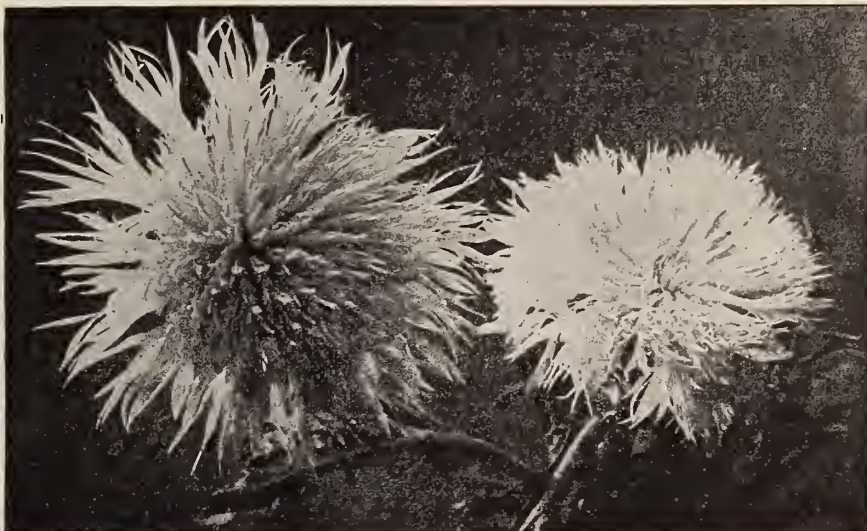
These mammoth varieties are great improvements on the old Sweet Sultans. Easily cultivated, and succeed everywhere. The flowers are two to four inches across, of graceful form, and of the sweetest fragrance. Being on long, stiff stems, they are admirably adapted for cutting and keep for a long time. Bloom continuously until late autumn. Plants two to four feet.

- Odorata. Light blue 10
- Chameleon. Sulphur-yellow, changing through creamy white, to pink 10
- Margueritæ. Pure satin white. 10
- Mixed colors, including many shades, ounce 25 cents 10

Silver-Leaved Centaureas—Dusty Millers

Low growing white-leaved perennial varieties, used for ornamental bedding. Sow early, inside.

- Candidissima. Leaves silvery-white, much divided 10
- Clementi. Densely white-woolly. Leaves broadly cut. 10
- Gymnocarpa. Leaves silver-gray, finely divided 10



LARGE-FLOWERED SWEET SULTANS



CALIFORNIA POPPY

The brilliant *Eschscholtzia* is California's chosen State Flower. The plants grow to about a foot in height; the leaves are of a grayish green color, finely cut and divided. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds should be sown where the plants are to bloom.

- MIKADO. Brilliant orange scarlet. The deepest and richest color yet produced in the California Poppy. 20
- Cross of Malta. Foliage silver-gray; flowers bright yellow, with a broad, dark orange cross in the shape of the Cross of Malta 5
- Mandarin. Inner side of petals a rich orange, the outside scarlet-orange. 5
- Golden West. A beautiful variety; color light orange-yellow 10
- Rose Cardinal. Outside of flower carmine, inside nearly white 10
- Orange, Yellow and White, single, separate colors, each 5
- Single varieties mixed. 5
- Double Orange and Double White, each 5
- Double varieties mixed 5

COBOEA SCANDENS

One of the most beautiful annual climbers, of rapid growth, with fine foliage; flowers bell-shaped, almost 1½ inches across and two inches long. In good soil the stems often grow twenty or thirty feet long and cover a large surface. Plants begin flowering when quite young. Put the seed in barely moist earth, edge down, and merely cover with light soil. Do not water until the plants appear, unless the soil is very dry.

- Purple 10
- White 10

BRACHYCOME—Swan River Daisy Annual. A charming little flower in blue or white. Plants compact, 12 inches in height, with neat slender foliage. Easily grown and blooms the whole season. Mixed colors 5

Eschscholtzia
California
Poppy



DIANTHUS

Chinese and Japanese Garden Pinks

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. The plants are from twelve to fifteen inches in height. Seed can be sown under glass in the spring, or in an open, sheltered bed. The young plants are easily transplanted, and should be set from eight to twelve inches apart. Bloom the first summer, and also the second, if the flowers are freely picked during the season, and the plants are protected in the winter.

DOUBLE GARDEN PINKS

- Chinese or Indian.** Bloom in clusters. Flowers very double. A great variety of bright colors. Best mixed, ounce, 50 cents 5
- Diadem.** Dazzling colors with distinct black markings. Beautiful variety 5
- Fringed.** Deeply fringed. Magnificent large flowers in rich colors 5
- Heddewigii.** Beautiful large flowers in rich color patterns. Borders fringed 5
- Imperial.** The large double flowers distinctly marked. Many choice colors 5
- Mourning Cloak.** Very dark rich crimson bordered with white 5
- White.** Large double flowers 5

SINGLE GARDEN PINKS

The rich markings show more plainly than in the double flowers.

- Fringed.** The deep fringing gives an effect of richness and elegance 5
- Heddewigii.** Beautiful strain with large flowers in a variety of brilliant colors 5
- Special Mixture Annual Varieties 5c.**

Carnation Pinks

Marguerite. Like the winter blooming carnations, but bloom the first year from seeds. A great variety of beautiful shades and fragrant double flowers. Seed should be sowed inside to give longer season of bloom. Plants can be taken up in pots for winter blooming. Mixed colors 10

Giant Flowering Marguerite. An extra large flowering strain of Marguerites. Stronger plants and equally early. Mixed colors 25

HARDY PINKS AND CARNATIONS

All of these varieties have large, brilliantly colored, and handsomely marked flowers. The plants are of easy culture, blooming freely and for a long time.

- Dianthus plumarius, (Pheasant's Eye, or June Pink, sometimes called Grass Pink).** Fine for massing. Closely related to the Carnation, but smaller flowers and more hardy. Flowers beautiful and fragrant. Perennial. Plants are hardy until they become old. It is best to keep a few young plants coming on. Single varieties mixed 5
- Plumarius, Pheasant's Eye, or June Pink.** Double 10
- Cyclops Pink.** New variety of Scotch Pink, producing an entirely new series of colors of exquisite beauty, enlivened by a large eye of velvety blood red. Has a sweet clove-like perfume. Single 10
- Semperflorens.** Florist's Perpetual Pink. Very sweet-scented, double and single flowers. Great diversity of colors 25

BORDER CARNATIONS

Beautiful double Carnations with delightful clove fragrance, blooming profusely early the second summer. It is better to renew the plants from seed or layers each year.

- Early Dwarf Vienna.** An early flowering and erect-growing strain. White, scarlet and crimson mixed 15
- Extra Choice German Seed.** Mixed 20

DATURA

Large, strong-growing plants, with large, trumpet-shaped flowers. Roots can be preserved in the cellar like Dahlias. Three to six feet in height.

- Wrightii.** The best single variety, white, tinged with lilac, sweet-scented 5
- Double varieties mixed 5**



GARDEN PINKS

CALENDULA (Pot Marigold)

The well-known Pot Marigold, valued for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round, and make a fine show in the flower-garden. Seeds can be sown in early spring in open ground. Hardy annual. About one foot in height.

- Double Sulphur.** Flowers large and double. Color light lemon-yellow 5
- Meteor.** Handsome, double, and beautifully striped, the petals having a creamy center edged with orange-yellow 5
- Orange Giant.** The finest large-flowered orange. Very double 5
- Pure Gold.** Flowers golden yellow, extra large and very double 5
- Prince of Orange.** Fine orange. Double 5
- Mixed Varieties 5**

DOUBLE DAISY

The well known English Daisy. Seed sown any time from June to August will produce flowers early the following spring. Transplants readily. Set about six inches apart. Perennial.

- Best German Seed, mixed colors 10**
- White. Constant 10**
- Longfellow.** Large, rose-colored flowers 10
- Snowball.** Large, perfectly double and pure white, having long stiff stems 15

FOXGLOVE--Digitalis



The Foxgloves are quite stately and highly ornamental plants when well grown, with flower stems at least three feet in height. They are fine for the mixed border, or planted singly in half-shady places 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. Sow the seed in spring in the garden, and transplant as desired. Perennial. Mixed varieties. . . . 5

EUPHORBIA

Mexican Fire Plant (*Euphorbia heterophylla*). "Fire on the Mountain," etc. If grown in full sunlight leaves become brilliantly flared with scarlet, like a Poinsettia. Two to three feet 5

Snow on the Mountain (*Euphorbia marginata*). Leaves beautifully margined with white 5

HELIOTROPE

This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. Seed sown early in the spring in the house will make fine plants for summer bedding.

Queen Marguerite. Bears immense clusters of large, dark blue flowers, with an exceptionally rich and spicy perfume. 20

Giant Flowered. Choicest mixed 10

The Gourd Family

The Gourds are prized for their rapid growth and their odd-shaped and highly colored fruits. They are useful for covering arbors, old fences, stumps, etc.

Dish-rag, or Sponge. When ripe the inside resembles fibrous cloth. 5

Balsam Apple and Balsam Pear have ornamental foliage. When ripe the golden yellow fruit opens, displaying the carmine interior. Each. 5

CALABASH. The old-fashioned dipper gourd. 5

Abobra viridiflora, Bryonopsis laciniosa and Coccinia Indica. Handsome foliage and scarlet fruit. Each. 5

Wild Cucumber, Echinocystis lobata. A fast-growing climber, running 30 feet in a season. White fragrant flowers, prickly seed pods. 5

The following are some of the most valuable of the common varieties. The fruits, when allowed to ripen, can be kept for years.

Hercules' Club. 5

Egg-Formed, Nest Egg Gourd. 5

Serpent Gourd. 5

Orange. Mock Orange. 5

Striped Apple. Prettily striped. 5

Sugar-Trough, or Sap-bucket. 5

IPOMOEA

The Ipomœas are climbers of rapid growth. Succeed best if started in the pot and transplanted as soon as all danger of frost is past.

Bona Nox(Good Night or Evening Glory, Moon Flower). Flowers large, white. 10

Giant Pink Hybrid. The soft lilac-pink flowers are produced abundantly all summer and fall. They remain open from about four o'clock in the afternoon until near noon of the next day. The vine branches freely, and the foliage is abundant. Seeds germinate quickly, and plants begin to bloom nearly as early as those of the Morning Glory. 10

Grandiflora superba. Fine, large flowers, sky-blue, bordered with white. 5

For other varieties of Ipomœa, see Cypress Vine and Morning Glory.

GYPSOPHILA

Gypsophilas are valuable for bouquets, either green or dried. They are very graceful, and easily cultivated. Should be in every garden. All flower the first season. *G. paniculata* continues to bloom several years

Muralis. Beautiful, bardy annual; six inches high, forming a dense mass. Fine for edgings. Blooms profusely. Flowers pink. 5

Paniculata. (Baby's Breath). Perennial. White. Fine for cutting. . . . 5

Hunnemannia Fumariaefolia "Giant Yellow Tulip Poppy"

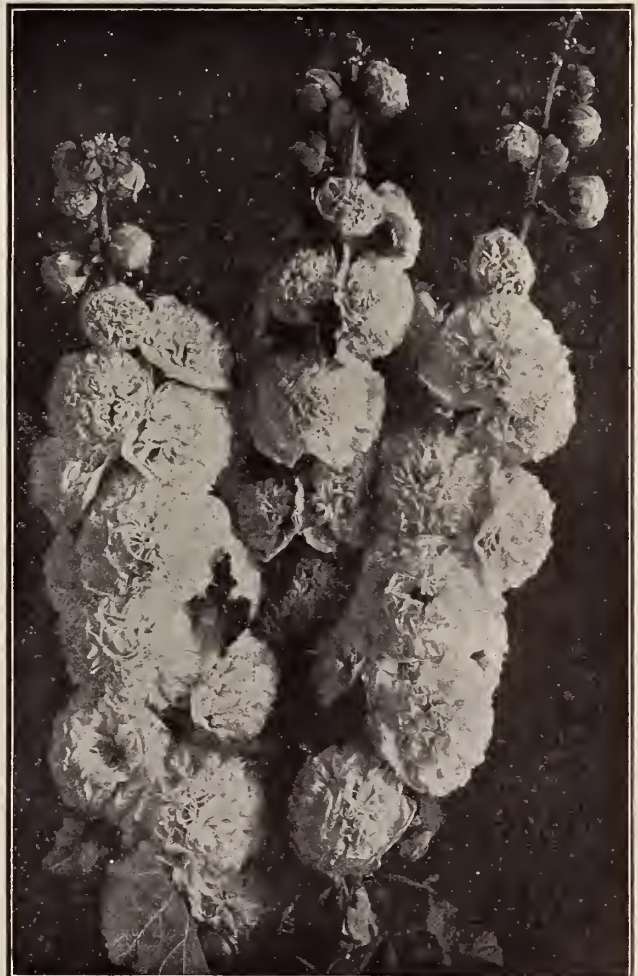
This most beautiful plant forms a shrubby bush two feet in height, with finely-cut foliage, similar to that of the *Eschscholtzia*, and produces its large tulip-shaped flowers on long stiff stems, from August till November. The color is a clear, brilliant yellow, the petals resembling crushed satin. The flowers will keep in water for several days. Sow seed early in the spring in shallow drills where the plants are to bloom, as they do not stand transplanting. 10

VICK'S HOLLYHOCKS

In situations suitable for tall flowers we know of nothing better than the Hollyhock. New plants are obtained from seed and by dividing the roots. Seeds sown in the summer will give plants that will endure winter. The plants may be protected during the winter with a little straw and evergreen boughs, or leaves. Biennial. See also Plant Department.

Hollyhock, Double. Four to five feet. Very double and fine, from the best named collection in Europe, ounce, \$1.25 10

Alleghany. Six to seven feet. Flowers very large and beautifully fringed. Single, semi-double and double. Has a long season of bloom. All colors mixed. 10





ANNUAL GAILLARDIA

THE SUMMER CYPRESS Kochia Tricophila

Makes an exceedingly attractive single Plant
Can be planted for an Ornamental Hedge

Although this is not a new plant, it is so little known, and so attractive in appearance, that we consider it worthy a place in the garden. It grows two to two and a half feet high, with many slender branches pressed close to the main stem, and resembles a small, closely-sheared evergreen, the slender foliage being light green until September, when the whole plant is a solid mass of crimson. Seeds germinate readily, and may be sown in the open ground about the first of May. The plants should stand about two feet apart 10

HYACINTH BEAN—Dolichos

Lablab. This really beautiful climbing plant is of quick growth; the foliage is handsome, and the clustered spikes of flowers are borne in great profusion. The shining purple seed-pods are also very ornamental. Tender annual, growing six to eight feet. Seed should be sown where plants are desired, in as warm and dry a spot as possible 5

New Japan. A new and beautiful variety, with large, pure white flowers, and waxy white seed-pods. Eight to ten feet 10

JAPANESE HOP

A splendid annual climber, rapidly covering arbors, walls, trellises, etc. The foliage resembles that of the common Hop, but is much more dense. Seed sown in the open ground in spring will produce large plants in a short time. Withstands heat, drought, and insects.

Japanese Hop 5
Variegated Japanese Hop. Leaves green and white variegated. 5

LINUM (Flax)

Scarlet Flax. Brilliant crimson flowers, an inch or more across, and a continuous bloomer. Annual 5
Perennial varieties mixed 5

LYCHNIS (Hardy)

To obtain good flowers the first summer, start under glass and transplant as early as possible.
Chalcedonica, (Maltese Cross, Jerusalem Cross.) Fine old-fashioned flower. Two feet high, with heads of brilliant scarlet flowers. Perennial 5
Haageana hybrida. Finest of the Lychnis family. One foot in height. Mixed colors. . 5
Viscaria splendens. Flowers bright crimson. A very fine red-flowered hardy perennial. 5

We pay the Postage or Express Charges, unless otherwise noted.

GAILLARDIA

Gaillardias, known as Blanket Flowers, are good bedding plants, blooming continuously until late in the fall. Flowers large and showy, two to three inches across; fine for cutting, as they last a long time in water. Set plants twelve to eighteen inches apart. Half-hardy.

- Picta Lorenziana.** Fine double variety. Heads two inches in diameter. Annual 5
- Aurora.** Double. Red, tipped with yellow. Fine large flower 10
- Mixed single annual varieties** 5

Hardy Gaillardia

Grandiflora. Perennial. The plants and flowers of the perennial Gaillardia are larger than those of the annual. The colors are exceedingly brilliant. They include the richest shades of crimson, scarlet, orange and yellow, contrasting beautifully with the brown centers. The plants are perfectly hardy and easily grown from seed. If seed is sown early the plants will bloom the first year. Mixed colors 10

ICE PLANT

Mesembryanthemum crystallinum. A pretty, half-hardy annual, with delicate, succulent almost transparent branches and leaves. Of drooping habit, adapted to baskets, vase work, and rockeries. Prized for its singular foliage, which looks as though covered with particles of ice 5

LOBELIA

Exceedingly useful plants for edging of flower beds, their free-blooming qualities and brilliant shades of blue to white making a pleasing contrast to the masses of reds and yellows so prevalent in bedding. They are also elegant for hanging baskets, pot culture, etc. All are annuals except *L. cardinalis*, which is a hardy perennial.

- Cardinalis.** Our native Cardinal Flower. Spikes of brilliant scarlet. Blooms first year if well started with heat. The flowers of the Cardinal Flower are said to be the most brilliant scarlet tint that occurs in nature 10
- Barnard's Perpetual.** This is the finest Lobelia ever introduced. Flowers a brilliant blue, white eye 10
- Crystal Palace compacta.** Dark blue. The best for edging and carpet-bedding 10
- Emperor William.** Light blue; compact; very fine 10
- White Gem.** Forms a ball of snow-white flowers 10
- Erinus (gracilis).** Blue. Fine for baskets or trailing purposes 10
- Mixed varieties, for baskets, etc** 10



PLANT OF SUMMER CYPRESS

ANNUAL LARKSPUR (Delphinium)

Beautiful plants. They prefer a cool soil and season. Sow seed in fall, or early in spring. The branching varieties grow two feet high, and should stand eighteen inches apart. The Rockets should be thinned to five or six inches apart. The annual varieties are very free bloomers, and produce large spikes of flowers, white, pink, rose, light blue, dark blue, and violet. In some varieties the flowers are double* in others single. The beautiful plume-like foliage is very ornamental, and the whole series are excellent for bouquets and table decorations.

- Double Dwarf Rocket. One foot in height. Mixed colors, ounce, 25 cents 5
- Double Tall Rocket. Large plant; very showy. Two feet. Mixed colors 5
- Stock-Flowered. Double. Branching. Fine for cutting. Two feet. Mixed colors 5
- Candelabrum. One foot in height; flowering late. Mixed colors 5
- Emperor. Compact; brilliant. Two feet. Mixed colors 10

PERENNIAL LARKSPUR

The perennial Larkspurs are valuable plants. Foliage clean and pretty; habit strong and good; flowering branches of some varieties often four feet high; flower spikes six inches or more in length.

Propagated by division of roots and from seed. Sow seed in open ground early in spring, and strong plants will be produced by fall that will flower the next spring, and some of them the same season. By keeping the seed stalks cut out and supplying plenty of water the blooming season can be greatly prolonged.

- Formosum. Large flowers of deep, brilliant blue, white eye. Three feet 5
- Formosum cœlestinum. (Pillar of Beauty). Beautiful shade of light sky blue; flowers large; spikes long. Plants three feet in height. 10
- Nudicaule. Bright scarlet; native of California. One foot 10
- Chinese. Fine. Two or three feet. Blue, white, and pink, mixed (home grown) 5
- Large-flowering Hybrids. Three to six feet high. Flowers of various shades; very showy. Finest varieties mixed. Extra fine stock 5

MARIGOLD

The African and French Marigolds are valuable for their flowers in autumn and can be grown to advantage in little clumps with other plants in the front of shrubbery or in the garden border. The African varieties are the taller in growth, and produce large self-colored blossoms. The French varieties are smaller, some of them being elegantly striped and spotted. The dwarf-growing kinds adapt themselves to spots where the taller varieties would be unsuitable. Seeds can be sown in a coldframe or in a seedbed in the open border, and the young plants transplanted late in the spring to where they are to remain. They succeed best in a light soil, with full exposure to the sun. Annual.

AFRICAN MARIGOLDS

- Pride of the Garden. The immense flowers of this grand variety are densely double, and of a beautiful golden yellow color. A notable feature is the compact, dwarf habit of the plant, which forms dense bushes fifteen to eighteen inches high and two feet across 5
- Eldorado. Flowers very large, ten to fourteen inches in circumference, and extremely double; quilled like a Dahlia; primrose, lemon, orange, and golden shades. Plant three feet in height 5
- Lemon Queen. Large lemon-colored flowers 5
- Mixed varieties. Ounce, 50 cents 5

FRENCH MARIGOLDS

- Striped, yellow and brown 5
- Tall varieties mixed. Ounce, 50 cents 5
- Dwarf varieties mixed. Ounce, 40 cents 5
- Dwarf Marigold Little Brownie, or Legion of Honor. A charming single-flowered plant, about six inches high. Very effective in masses or borders. Begins flowering extremely early, commencing in June. Color a brilliant gold, blotched with maroon 5
- Gold Margin. Excellent. Flowers velvety maroon, margined with gold. Plant only eight inches high, bushy, compact, and free-flowering 5
- Tagetes signata pumila. A beautiful dwarf plant, forming a globular dense mass. Fine for bedding or borders 5

FOUR O'CLOCK or MARVEL OF PERU

The flowers of this old-fashioned favorite open about four o'clock in the afternoon and fade the next morning. Two feet high, with bright foliage and fragrant flowers of desirable colors. Set plants two feet apart. Makes a nice hedge if set a foot apart. Seed should be planted in the open ground where plants are desired. The roots may be taken up in the autumn and preserved through the winter for spring planting, in the same manner as Dahlias. Marvel of Peru. Mixed colors, ounce 20 cents 5

Variegated Foliage. Flowers of a variety of colors 5

MAURANDYA

Maurandyas are delicate and graceful free-blooming climbers, six to ten feet in height. Suitable for greenhouse or outdoor culture, but especially useful for baskets, vases, etc. The flowers are of good size; colors white, and various shades of rose purple, and blue. Seed should be sown in the hotbed, greenhouse, or in pots in a warm sunny window. Annual

Finest mixed 5



DOUBLE MARIGOLD

FORGET-ME-NOT (Myosotis)

Charming, low-growing plants, the bright flowers covering the plants in late spring. Seed sown at any time up to mid-summer will produce plants that will bloom the following spring. Prefer moist shady situation. The Alpestris varieties are very free bloomers, but are practically biennial.

- Alpestris. Blue. Six inches 5
- Alpestris Alba. White. Six inches 5
- Alpestris rosea. Light pink. Six inches 15
- Alpestris Indigo blue. New, very fine. A deep indigo blue 10
- Alpestris robusta grandiflora (Eliza Fonrobert). Large-flowering, of pyramidal habit. Very fine. Blue, with clearly defined yellow eye 10
- Alpestris Victoria. Sky blue, dwarf, strong-growing, globular, abundant. Fine for pots and cutting 10
- Palustris (True Forget-me-not). Blue, with yellow eye. A true perennial. Produces its charming blue flowers all summer 10
- Vick's Perfection. The finest Myosotis known. Large, bright blue flowers. As an edging plant for beds or the shrubbery border it really has no superior. Plant robust, nine inches high 15
- Mixed varieties 5

HUGO, COLORADO.

JAMES VICK'S SONS, ROCHESTER, N. Y.

SIRS:—
I bought quite an order of flower seeds from you last spring, and you just ought to see the flowers now! They are the wonder and admiration of everybody around here, as flowers are a rarity and almost a curiosity in this barren country.
Respectfully,
R. A. ELWOOD, Clerk U. S. Land Office.



At these prices we prepay Postage or Express charges unless otherwise noted.

MORNING GLORIES

Convolvulus Major

Who does not love the Morning Glory. It has long been a favorite for shading porches, covering screens and for similar places. It is one of the most free flowering and rapidly growing plants in cultivation. The foliage is a dark green and the freshness and delicacy of the flowers fully make up for their fugitive character. The prevailing colors are shades of blue; but there are other colors ranging from white to dark red, and some of the flowers are striped. The seeds germinate so readily that they can be grown in the garden anywhere the plants are needed, and almost at any time.

All colors mixed. Ounce, 20 cents 5

Large-Flowered Morning Glory "Rochester"

This grand Morning Glory is remarkable for the large size and beautiful color of the flower. Vines strong, growing quickly twelve to twenty feet high, with magnificent foliage, leaves measuring from eight to ten inches across, and remaining on the vines close to the ground during the entire summer. Flowers four to five inches across, deep violet-blue in the throat, blending out to an azure-blue, bordered with a wide white band around the edge. The flowers form in clusters of from three to five, from the ground to the top of the vines 10

Brazilian Morning Glories

Ipomœa setosa. A most interesting climber, with rose-colored flowers from three to four inches in diameter, and leaves eight to twelve inches across. It presents a remarkable appearance, branching in all directions, and intertwining so as to make a mass of foliage impenetrable to the sun's rays. The large seed-pods, with short, reddish hairs on the stems, make it unusually ornamental and attractive. After planting pour on scalding water. 10

Vick's Own Special Strain of Imperial Japanese Morning Glories

We have given much labor and space to cultivating and improving these large and desirable Morning Glories, and as a result are able to offer a very fine mixture of choice colors, ranging through white with pink throat, white spotted with violet, white spotted with rose, mauve with white throat, lavender with central band of crimson, cobalt-blue with rose bands, violet with blood-red bands, crimson with carmine bands, and purple with maroon bands. 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. The foliage is large and finely cut; sometimes plain green, and occasionally green beautifully mottled with creamy buff. Sold in mixed colors only. Ounce 50 cents 10

MIGNONETTE

Seeds of Mignonette may be sown at any season, so that by having pots prepared at different times, a succession of flowers can be secured. Seeds sown early in the garden will give flowers through the 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 a temperature not exceeding fifty degrees at night. Very few cultivate the Sweet Mignonette compared with the many that might show their love for this sweet little flower. Annual.

- Sweet, (*Reseda odorata grandiflora*.) A well-known fragrant plant. Ounce 15 cents 5
- Grandiflora Ameliorata. A large variety, with reddish tinge to the flowers. Ounce 20 cents 5
- Giant Pyramidal. A mammoth variety. Ounce 60 cents 10
- Golden Queen. A very fine and distinct variety, with flowers of a golden hue. Ounce 40 cents 5
- Machet. Plant dwarf and vigorous, of good habit, producing large spikes of very sweet-scented flowers. Fine for pot culture. Ounce 40 cents 10
- 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 of golden yellow flowers. Ounce \$1.00 10
- Allen's Defiance. Spikes from twelve to fifteen inches long, deliciously fragrant. Spikes have been kept three weeks after cutting, retaining the fragrance till every bud opened. Ounce 50 cents 10
- Goliath. Among all the varieties of Mignonette that have been introduced within the last few years this is the best and most distinct. The plants are compact in habit, with rich green foliage, and the immense trusses of highly-scented flowers are borne on erect, strong stiff stalks. It is especially suited to house culture. Ounce 40 cents 10
- New Large-flowering Bismarck. Very large, true pyramidal shape. Reddish-colored flowers borne on strong stems, well elevated above the dark green, slightly crumpled foliage 10
- Parson's White. Nearly white; strongly scented. Ounce 40 cent 10



MIGNONETTE, GOLDEN MACHET



NASTURTIUM

CLIMBING NASTURTIUMS

THESE are among the very best climbers. They require but little attention, for seed sown in the spring of the year in any fair garden soil, not too rich, will produce plants ten to twelve feet in height before autumn. They endure hot and dry weather very well. There are several varieties; the leaves of some being very light transparent green, while in others they are very dark, almost purplish. The flowers are all shades of yellow and scarlet, some of them beautifully spotted. The climbing Tropæolums are excellent plants for baskets, vases, etc. Grown two or three in a large pot, with brush or lattice work support, they make a most showy ornament, which can be moved at pleasure.

New Climbing Nasturtium

"Hybrids of Madam Gunther." A strain of French origin, most remarkable for the wide range of exquisite colors and beautiful markings. They are strong growers, climbing five to seven feet, with rich dark foliage. Fine for porches, vases, or trailing on the ground. Half-hardy annual. Ounce, 25c. 5

Climbing Nasturtiums

Per ounce, 15 cents; packet, 5 cents

- | | |
|---|--|
| Atropurpureum. Dark crimson. | Scheuerianum. Straw-color, brown striped. |
| Atropurpureum fol. aureis. Foliage yellow, flowers crimson. | Scheuerianum coccineum. Scarlet striped. |
| Chocolate. | Scarlet. |
| Dark Orange. | Schulzii. Brilliant scarlet. |
| Edward Otto. Bronze, silky. | Schillingii. Bright yellow blotched with maroon. |
| King Theodore. The darkest. | Vesuvius. Brilliant salmon-rose dark-leaved. |
| Orange. Very handsome. | Von Moltke. Bluish rose. |
| Pearl. Creamy white. | Regelianum. Dark, purplish crimson Yellow. |
| Prince Henry. Light yellow, marbled with scarlet. | |

The above eighteen varieties, postpaid for 50 cents.

- Mixed varieties. The green seed-pods used for pickles. Pound, 80 cents; oz. 10 cents 5
 Extra choice mixed. ¼ pound, 50 cents; oz., 20 cents 5

VARIEGATED-LEAVED NASTURTIUMS

A new race of Nasturtiums in which the foliage is beautifully variegated with white, green and golden. The strikingly marked leaves make a charming contrast with the brilliantly colored flowers.

- Tom Thumb Variegated-Leaved. Scarlet flowers, ounce, 40 cents . . . 10
 Tall Variegated-Leaved. Mixed colors, ounce, 20 cents 10

TOM THUMB NASTURTIUMS

- they thrive and bloom luxuriantly. When planted in poor soil they flower profusely; if the soil is too rich they run to leaves. Hardy annuals.
- | | |
|---|--|
| Aurora. Salmon-rose, mottled and veined 5 | Dark Crimson 5 |
| Beauty. Orange and vermilion 5 | Golden King. Golden yellow flowers. Very fine 5 |
| Bronze. Beautiful coppery bronze 5 | Golden Queen. A beautiful new golden-flowered, yellow-leaved variety 5 |
| Carter's. Scarlet 5 | King Theodore. Flowers darkest of all 5 |
| Chameleon. Mottled crimson, bronze, and yellow 5 | King of Tom Thumbs. Leaves bluish green, flowers brilliant scarlet. 5 |
| Cloth of Gold. Golden-leaved, flowers intense scarlet 5 | Lady Bird. Golden yellow, flamed crimson 5 |
| Cœruleo-roseum. Bluish rose 5 | Luteum. Yellow 5 |
| Crystal Palace Gem. Sulphur, maroon spots 5 | Pearl. Light cream 5 |
| Empress of India. Dark leaves, and very dark crimson, flowers 5 | Prince Henry. Light yellow, marbled scarlet 5 |

- | |
|--|
| Regelianum. Dark crimson, purplish tinge 5 |
| Rose. Rose, tinted with salmon 5 |
| Ruby King. Foliage dark, flowers deep rose 5 |
| Scheuerianum coccineum. Scarlet striped 5 |
| Spotted. Yellow, crimson spots 5 |
| Spotted King. Rich orange, maroon spots. 5 |
- Extra Choice Mixture, from named sorts, ¼ pound, 60 cents; oz., 20 cents 5
- Mixed varieties, 1 pound, \$1.00; ¼ lb., 30 cents; oz., 10 cents 5

Eighteen of the above varieties, our selection, postpaid for 50 cents.

PANSIES



THE PANSY 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 hotbed 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 May or June, and well watered until up, will produce fall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth, they do best in rich moist loam. Young plants give the largest flowers. The old worn-out plants should be replaced. If the plants come into bloom in the heat of summer, the flowers will be small at first, but as the weather becomes cooler they will increase in size and beauty. They will flower better in midsummer if planted where 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 or autumn.

Giant Superb Mixture

No other grower of Pansy seed has yet succeeded in producing a mixture of such high grade as Vick's Giant Superb strain. Since we first introduced it, more than ten years ago, this superb mixture has not been equalled by any mixture offered to the public. The flowers are uniformly of the largest size, colors striking in their brilliancy and yet retaining all the delicate shades, hues and pencilings that have made the Pansy one of our most favored flowers. Each year we add to this Superb mixture many of the new and high-priced varieties, our aim being to keep it at the very top of all mixtures, and to make it absolutely unapproachable in quality. 1/8 ounce, \$1.25; ounce, \$9.00; packet . . . 50 cents

Peerless Mixture

Comprises the choicest of the standard large-flowering sorts, including many of the rare and expensive varieties, such as Bugnot, Odier, Cassier, and Trimardeau types. For size, perfect form, freedom and durability of bloom, and gorgeous colorings, the Peerless Mixture will please the most critical grower of Pansies. For a charming display of show or exhibition Pansies you should try at least a packet of Vick's Peerless. 1/8 ounce, 90 cents; ounce, \$5.00; packet . . . 25 cents

Masterpiece Mixture

A new mixture of the choicest varieties of the Masterpiece or Giant Five-spotted class offered for the first time last year. From the many pleasing reports from customers who grew it last year we are satisfied it is one of the most satisfactory mixtures ever introduced. Masterpiece Mixture will give an unusually wide range of colors—white to deepest maroon or black, creamy yellow to orange, dainty rose to brilliant crimson—in fact, you will be delighted from day to day with the changing colors in your bed of Pansies. We are offering Masterpiece Mixture at a very low price. 1/8 ounce, \$1.00; Packet. . . 30 cents

VICK'S PANSIES—Continued



GIANT-
FLOWERING
PANSY
MASTERPIECE

Giant-Flowering Varieties

A distinct class. Plants vigorous and compact. The flowers are thrown well above the foliage and many of them are marked with large blotches. They are of enormous dimensions—some specimens grown on our grounds measuring over three inches in diameter. We offer the following separate colors of this wonderful strain:

- GIANT SOLFATARA.** A new color in the Giant Five-Spotted Pansies. The ground color is a delicate sulphur yellow or primrose color. Each petal is marked with a very large deep blue spot. The effect of these contrasting colors is quite charming. The large flowers, about three inches across, are perfect in form and are borne on long stems. . . . 25
- Giant Vulcan.** The same class of pansy as Giant Solfatara. In the Giant Vulcan the ground color is a deep rich red. The large blotches are nearly black. The color effect is rich and striking. . . . 25
- MASTERPIECE.** Large ruffled flowers. Rich Velvety colors, distinctly veined, and bordered with lighter colors. The long-stemmed flowers have great substance and are splendid for cutting or for exhibition. . . . 20
- Andromeda.** This lovely frilled variety is of a delicate apple-blossom, showing a soft lavender or lilac hue, rendered more effective by a darker lining. . . . 15
- Adonis.** Beautiful light blue 10
- Bridesmaid.** New. Rosy white ground, beautifully blotched. . . . 15
- Emperor Franz Joseph.** White with large violet blotches. A superior bedding variety. 15
- Fire King.** Golden yellow, upper petals purple. Showy. 15
- Golden Queen.** Large. Best of the pure yellows. 10
- King of the Blacks.** Almost jet black. Extra fine large-flowering strain. 10
- Lord Beaconsfield.** Top pale lavender; shading to purple violet on lower petals. 10
- Madam Perret.** True. Petals frilled. Dark wine, pink, and red shades beautifully veined, all with white margin. 15
- Prince Henry.** An extra fine variety. The largest dark purple. . . . 15

- Prince Bismarck.** Beautiful shades of golden bronze. The largest and finest of the bronze Pansies. 10
- Psyche.** White with violet blotches. Ruffled edges. A large and very rich looking flower. 20
- Ruby King.** Superb red shades. 10
- Snowflake.** Extra fine pure white. 15
- Yellow, with Black Eye.** Extra large. A splendid bedding variety. Yellow with black eye, produces larger flowers than the clear yellow varieties. 10
- Mixed varieties, oz., \$3.00; ¼ oz., \$1.00; ⅓ oz., 60 cents. 10**

Standard Varieties

Each 5 cents per packet.

- Azure-Blue.** Extra fine.
- Cardinal.** Brilliant dark red.
- Dark Blue.** Very rich, constant.
- Dark Purple.** Rich, deep purple. Fine.
- Diana.** Cream-colored; quite distinct.
- Emperor Frederick.** Dark red, bordered with orange-scarlet.
- Emperor William.** Ultramarine-blue, with violet-purple eye.
- Prince Bismarck.** Beautiful shades of golden bronze
- Fairy Queen.** Brilliant sky-blue, silver-white margin. Very showy.
- Havana Brown.** Beautiful shades of brown.
- King of the Blacks.** Almost coal-black.
- Lord Beaconsfield.** Top pale lavender, shading to purple, violet on lower petals.
- Mahogany-colored.** Rich shades of Brownish red
- Red Riding Hood.** Brilliant red.
- Snowy White.** Good form and size.
- Victoria.** Rich velvety claret-red, large flowers.
- Yellow Gem.** Clear yellow, without eye. A gem.

Ten or more packets of the above seventeen Standard Varieties at four cents per packet.

Mixed Seeds of the above sorts, oz. \$1.50; 1-8 oz. 25c; pkt. 5c.

MIMULUS

The Mimulus, or Monkey Flowers (named from the resemblance of the corolla to a mask or face), are beautiful tender 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.

- Hybridus tigrinus grandiflorus.** As beautifully spotted as the Calceolarias. 10
- Musk Plant.** 5
- All sorts mixed** 5

NICOTIANA

Sandere. The Hardy Annual of the Century. Among Nicotianas nothing approaches it in point of floriferousness. The whole plant, from base to summit, is laden with flowers of an intensely glowing rosy-carmine color, making it incomparably beautiful and charming. Easily grown. Seed may be sown where plants are to remain. If wanted early sow in the house and transplant. The care given to the most ordinary annual will suit this new Nicotiana admirably. 10

Affinis is one of the best Nicotianas we have ever grown. The plant attains the height of three feet, and at evening and early morning is covered with deliciously-scented, large, white flowers. Easily grown from seed, and cuttings rooted in September will bloom freely in the winter. . . . 5

Sylvestris. Grows about five feet high, with very symmetrical foliage. The very long pendulous flowers are delicately fragrant, and are borne in great profusion. A bold and striking plant. 5

NIGELLA (Love-in-a-Mist)

Love-in-a-Mist, Devil-in-a-Bush and Fennel Flower are names given to the Nigella. It is a pretty, interesting and easily grown annual. The foliage is very fine and feathery. The showy flowers, mostly in shades of blue, are surrounded by a mass of leaves with thread-like sub-divisions like a border of green lace. Interesting in the garden and fine for cutting. Seed may be sown in the open ground at any time in the spring or early summer. Hardy annual. Twelve to fifteen inches.

- Damascena.** (Love-in-a-Mist). One foot. Mixed colors 5

Petunia seed will germinate with little difficulty if a reasonable amount of care is used in sowing. First, be sure that the soil is well pulverized; then sow the seeds on the surface, pressing them into the soil by using a small, smooth board and cover very lightly with sand or fine soil. Seed sown in a hotbed or coldframe early in the spring, will produce flowering plants in June. Set the plants about eighteen inches apart. They come pretty true from seed, but are not reliable in this respect, being inclined to sport. Seeds of Double Petunias do not possess as much vitality as those of the single, neither will all come double. Annual.



Vick's Ruffled Petunias

The most showy Petunias ever offered

No bedding plants make a more pleasing display than Vick's Ruffled Petunias. The distinct colors and markings make a brilliant show. The plants make a strong growth and bloom profusely. One greenhouse 100 x 20 feet is devoted exclusively to this strain; in it the plants are grown separately in pots and hand pollinated. This mixture is decidedly in advance of any other foreign or American strain, embracing the greatest range of color and the largest size of flower. 25

Large Flowering Single (Superbissima). Magnificent large flowers of various colors. The large throats richly veined. Mixed, from Show flowers. 25

Vick's Single Fringed. Extra large flowers with frilled edges. Distinct and beautiful. Comes true from seed. Mixed colors. 25

Double Large Flowered, Fringed. Extra choice varieties mixed. 30

Double Dwarf Bedding Petunias. The dwarf compact plants are profuse bloomers. Fine for bedding. Mixed colors. 25



DOUBLE FRINGED PETUNIA

SINGLE-FLOWERED BEDDING PETUNIAS

Bedding varieties are unsurpassed for massing. They will make a more showy bed, giving a profusion of flowers from early summer until frost.

Blotched and Striped, very symmetrically marked. 10

Countess of Ellesmere. Dark rose, with fine white throat. 10

General Dodds. Beautiful dark red. 10

Extra Choice Mixed. Superb strain. 10

Fine mixed. 5

"Giants of California." This strain, originating in California, is 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. Some of the colors run to delicate shades, while others are deep, rich, and gorgeous. 20

One Packet each of the } **85 Cents**
following Petunias for }

Large-Flowering Single. Choice Mixed. 25

Vick's Fringed. Mixed Colors. 25

Giants of California. Mixed Colors. 20

Single-Flowered Bedding. Extra choice mixed. 10

Double-Flowered Bedding. Mixed colors. 25



PHLOX

Phlox Drummondii is one of the most brilliant of all annual flowers. We grow several acres of annual Phlox on our own farms every year and visitors are invariably charmed by the dazzling sheet of color presented by a field of Phlox in bloom. The picture on the front cover of this catalogue showing a corner of a Phlox field was taken on one of our farms in October, 1912. Phlox continues to bloom long after most flowering plants are gone, making it a splendid bedding plant. It is a native of Texas and thrives best in open sunny places. It does better if not crowded, the plants continuing to grow and bloom all summer. Easily grown and always in bloom, it is unexcelled for filling in vacant places in the garden, the shrubby or the hardy border. It may be sowed as early in spring as the ground can be worked; or it may be started earlier in hotbeds or cold frames and later transplanted.

Phlox Drummondii Grandiflora

The flowers of this section have round petals and larger flowers than the old sorts. These varieties we have found to come quite true from seed.

- White.** Soft pure white.
Flesh Color. Delicate light pink.
Chamois Rose. Beautiful salmon pink.
Brilliant. Deep pink, shading lighter at the edge.
Light Rose. A soft, pretty shade.
Leopoldii. Rich rose color with white eye.
Carmine, White Center. A brilliant shade of rose.
Splendens. A soft shade of scarlet, between scarlet and carmine.
- Splendens, White Center.** The large white center gives a striking effect.
Quadricolor Rose. Each petal shaded from light to dark rose; striking.
Light Yellow. Pale primrose yellow.
Scarlet. A brilliant velvety color.
Dark Red. A deep velvety blood red; rich.
Dark Red, White Center. Rich and striking.

Price, per packet, 10 cents; any seven for 55 cts. The set of fourteen for \$1.10.

- Phlox Drummondii grandiflora, choice mixed, ounce, 75 cents 10
 Phlox Drummondii, fine mixed 5

Phlox Drummondii Nana Compacta

The dwarf annual Phloxes 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.

Fireball. Bright scarlet 10
Snowball. Pure white 10
 Best varieties mixed 10

Star Phlox

A decidedly unique variety. While the petals of all other Phloxes are entire, in this variety they are partly fringed and partly 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 many distinct colors. Best varieties mixed 10

PRIMROSE

In this country Primroses do well in a cold house, but in the open ground succeed best in a northern border. *P. vulgaris* is the sweet, beautiful English Wild Primrose, so ardently loved by all who spent their childhood days among the green lanes of England. Sow seeds under glass and transplant. Perennial.

- Primula auricula.** Fine mixed 25
Elatior (Polyanthus). Fine mixed 10
Polyanthus, Gold-laced. Choicest mixed 25
Vulgaris. Wild English Primrose 10

For other varieties of Primula see Plant Department.

PERILLA NANKINENSIS. A very elegant dark-leaved plant with purplish mulberry-colored foliage. Annual. Eighteen inches in height 5

PYRETHRUM (Hardy)

Handsome herbaceous plants of easy culture. It would be well to sow seeds under glass, but we have grown them by sowing seeds in the open ground. Begin blooming in June; by removing old flower stems, a second crop of blooms may be had in autumn.

- Roseum hybridum.** Double varieties mixed 25
Roseum hybridum. Single varieties mixed 10
Double White Feverfew 10
Golden Feather. Prized for its yellow foliage 10

SENSITIVE PLANT

Mimosa pudica. The Sensitive Plant affords a good deal of amusement, on account of its sensitive leaves, which close up when touched. Seeds should be started under glass. Do not transplant to the open ground until warm weather. Annual 5

SCHIZANTHUS

The Schizanthus is a beautiful half-bardy annual, of very graceful habit. The flowers are butterfly-shaped, of rich and varied colors, and completely cover the plant. About two feet high. Best varieties mixed 5

LOVE-IN-THE-GROVE. Baby Eyes. Nemophila. Flowers blue and white. They do best if sown in a frame and transplanted early. Set about six inches apart. Mixed varieties, ounce, 20 cents 5



Danish Flag
Carnation-flowered Peony-flowered

Poppies

ANNUALS

The Tall or Opium Type

- Vick's Brilliant is a superior selection made up of the best colors and varieties of the Tall Poppies. Selected with great care to produce the most brilliant effect. Grown on our own farm. Of strong, robust growth, two to three feet high 5
- Mikado. Flowers large and loose, resembling the Japanese Chrysanthemum; petals cut and fringed in the most fantastic manner; color pure white, edged with shades of crimson. 5
- Danish Flag. Flowers brilliant scarlet, large silvery white blotch at the base of each petal, forming a white cross on scarlet ground. 5
- Peony-flowered. A splendid class of large double flowers, with broad petals, resembling a Peony; colors range from white to pink, carmine, scarlet, crimson, and maroon 5
- Carnation-flowered. Double Opium Poppy. Splendid large double flowers. Deeply fringed. Mixed colors, ounce, 20 cents 5
- Opium Poppy. True, single. Pound 90 cents; ounce, 10 cents 5
- American Flag. Flowers snow white, bordered with scarlet. Large, double Peony-flowered White Swan. Large double flowers, elegantly fringed, pure white. 5
- Miss Sherwood. Very large single flowers of an exquisite shade of light pink. Grown on our own farm 5
- Cardinal Poppy (New hybrids). About eighteen inches high; habit erect and compact. Foliage dark green, deeply lacinated. The double flowers, which are beautifully fringed, come in about the same range of colors as the Shirley 5

The Shirley, or Corn Poppy Type

- SHIRLEY. Flowers exceedingly graceful and elegant; single. Colors mainly blush white, and delicate shades of pink, but containing shades of rose, carmine, scarlet and crimson. The finest of all annual single Poppies. Grown on our own farm. 5

- Ranunculus-flowered. Plants two feet high; free bloomers. Flowers double, two inches across. All shades of color, from white to deep crimson. 5
- Scarlet single. The single Scarlet Corn or Field Poppy of Europe. Very gorgeous 5
- Umbrosom. Of dwarf habit; branching. Flowers bright vermilion, with a shining black spot on each petal. Very showy 5
- The Tulip. An elegant and distinct variety. 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. The plant commences blooming early in June, and flowers abundantly for a period of from six to eight weeks 5

Any six of the above Annuals, 25 cents.

PERENNIALS

Iceland Poppies are perennial, blossoming the first season from seed. Plants are perfectly hardy and bloom the entire season. The delicate silken texture of the flowers, nodding on slender stems, produces an exquisitely dainty effect. They last well if cut when opening.

Pure White, Yellow and -Orange. Separate or mixed, each. 10

Collection of the three Iceland Poppies, 25 cents.

Oriental. The single, large, Oriental 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 usually dark and sombre character of clumps of shrubs. One of the most striking and showy hardy garden plants, bearing great flowers of brilliant scarlet six or eight inches across. Splendid for cutting. The plants are very hardy and easily grown from seed. Three feet. 5

"Excelsior Hybrids" (New). A grand mixture of colors in hybrids of the Oriental Poppy. The result of several years' careful selection. Ranges from the most delicate salmon to deep crimson 25



SHIRLEY POPPY



FLOWER OF SINGLE PORTULACA



PLANTS OF DOUBLE PORTULACA

PORTULACA

No hedging plant equals the Portulaca for places exposed to the hot sun of mid-summer. It delights in intense heat, and dry weather seems to have almost no effect on the plants. The plants are of low growth, and spreading in habit, each plant covering a space of about two feet in diameter. The flowers of the double varieties are like small roses, and make a particularly brilliant show. Sow seed in the open ground as soon as the weather is warm, or in a hothead earlier. The plants can be transplanted when in full flower, and in making a ribbon bed with Portulaca, wait until the first flower opens, so as to be sure of the color. Annual.

- Fine mixed single varieties, ounce, 50 cents 5
- Collection of seven separate single varieties 25
- Double Rose-Flowered A perfectly double variety, as much so as the Rose and of many brilliant colors, as well as striped. First quality, mixed colors 10
- Collection of seven separate double varieties. 50

RICINUS

CASTOR OIL PLANT

A Showy Ornamental Foliage Plant for Bedding

In the center of a bed, it gives a magnificent semi-tropical appearance; or planted thick, it makes a fine screen or hedge. Plant seed in open, very rich deep-spaded ground, in a dry situation, as soon as safe in spring. The common Castor Oil Bean is cultivated for the oil, and grows about twenty bushels per acre. Annual.

- Macrocarpus. Whitish; beautiful. Six feet, ounce, 20 cents 5
- Purpureus. Purple stems and leaves. Magnificent. Six feet, ounce, 20 cents 5
- Borboniensis. Very beautiful large green leaves. Fifteen feet, ounce, 20 cents 5
- Cambodgensis. The finest dark-foliaged Ricinus. Leaves maroon; stem nearly black; fruit bronzy purple. Five feet, ounce, 20 cents 5
- Duchess of Edinburgh. Dark purple stem and leaves. Ten feet, ounce, 20 cents 5
- Africanus hybridus. Fine. Stem and fruit rose. Six feet, ounce 20 cents. 5
- Philippinensis. Very large, beautiful leaves. Ten feet, ounce, 20 cents 5
- Sanguineus. Blood-red stalk and clusters of red fruit. Eight feet, ounce, 20 cents 5
- Mixed varieties of preceding. Ounce, 15 cents 5
- Zanzibarensis (Zanzibar Castor Oil Plant). New and distinct. The gigantic leaves, two to two and one-half feet across, and the great size of the plant, surpass any other known Ricinus. The luxuriant tropical appearance when planted singly or in masses is matchless. Mixed varieties, ounce 15 cents. 5

Castor Oil Bean *Communis*, Pound 75 cents ;
Palma Christi ounce, 20 cents 5

VELVET TRUMPET

SALPIGLOSSIS

Our illustration shows the form and veinings of this beautiful flower, but only nature can paint its colors. Its velvety texture and brilliancy of coloring defy description. Nothing in our trial grounds is more admired than the Velvet Trumpet, its rich colors glowing in the sunlight. It is fine for cutting, lasting well in water. The plants bloom continuously from midsummer until late fall. Sow the seed where the plants are to remain, cover with fine sand and press firmly into the soil. Two to three feet.

Grandiflora. Mixed colors 5

New Emperor. This variety shows a very marked and striking distinction in habit of growth as well as in its flowers. It forms only one thick main stem about thirty inches high, which is thickly covered with flowers considerably larger than those of the old type, and presents a compact bouquet, in the various rich velvety colors usual to the species—purple, crimson, scarlet, rose, etc —veined with gold. Mixed colors. 10



VELVET TRUMPET

Fine Old Flower Renamed

Salpiglossis is one of the really good things that has been handicapped by its name. For so fine a flower its use has spread slowly. We have given it a plain English name and hope that its merits will now become more generally known.

SUNFLOWER—*Helianthus*

Coarse tall plants, from four to eight feet in height, with bright yellow flowers. The double varieties produce a very good effect among shrubbery, and when used as screens. Sometimes reproduced from self-sown seed. The seeds of the single varieties are of considerable value for oil as well as for feeding poultry.

Globosus fistulosus (*Chrysanthemum Flowered*). Best of the Sunflowers. Very large; double 5

Dwarf Golden. Variegated foliage, five to six feet high. Very effective as single specimens. Seventy to eighty per cent. true from seed 10

Extra Double Dwarf. About four feet high. Each branch, from the ground to the top of main stem, bears a golden flower 10

Mammoth Russian. Very large. Usually grown for feed. Per pound, 30 cents; ½ lb., 15 cents; ¼ lb., 10 cents; oz. 5

SALVIA, or Flowering Sage

The Scarlet Salvias are among the most brilliant red-flowering bedding plants in cultivation. They bloom from middle of July to frost. Sow seed early indoors or in a frame in time to get good plants to set out of doors the latter part of May, or when the weather is suitable. Massed in a bed, or a row or two around the veranda, they make a beautiful show. Succeed best in partial shade. Set plants one foot apart.

Clara Bedman (*Bonfire*). The plants are compact and produce long spikes, of which there are sometimes two hundred to a plant, bearing from twenty to thirty flowers each. For masses on the lawn or in the garden, or in rows along the walks, its brilliant, dazzling scarlet flowers are simply gorgeous 10

Zurich. A new dwarf scarlet, growing from 12 to 15 inches high and covered with a mass of brilliant scarlet flowers borne on long erect spikes. Begins blooming in June continuing through the season. 10

Splendens. True; large, scarlet. 10

Patens. Flowers of a delightful blue. 15



SALVIA



SWEET WILLIAM

We are pleased to see that the merits of this sturdy old-fashioned flower are being more generally recognized and its cultivation greatly extended. Beautiful, fragrant and easily grown, it is worthy of a place in every garden. The best varieties of Sweet William are of exceedingly beautiful colors, and the large fragrant flowers are borne in trusses* of great size. They make a splendid show in the garden or hardy border and last well as cut flowers. Seed may be sown at any time from spring to mid-summer. Blooms the second season. Perfectly hardy.

- Holborn Glory**. Large flowers in beautiful shades of the striking auricula-flowered, or eyed varieties 10
- Dunnettii**. Deep blood red. Rich, velvety texture. 5
- Pink Beauty**. A beautiful salmon pink 20
- Single White**. 5
- Double White**. 10
- Single Mixed**. All colors. 5
- Double Mixed**. All colors 10
- Perfection** (*Auricula-flowered*). Single varieties mixed 5

CORNFLOWER ASTER

Stokesia Cyanea

This plant grows about 18 inches high, bearing freely, from early July until frost, its handsome lavender-blue Centaurea-like blossoms, each measuring from four to five inches across. It is of the easiest culture, succeeding in any open sunny position, and is not only desirable as a single plant in the mixed hardy border, but can be used with fine effect in masses or beds of any size. We have no hesitation in saying that the Cornflower Aster is one of the most beautiful valuable and desirable hardy plants.

Seed, per packet, 10 cents. Plants, each, 20 cents.

Sweet Peas

ANY ordinary garden soil is well adapted for growing these beautiful and popular climbing plants. Select a sunny, open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. *Do not wait for fair weather.* Sow the seeds in a trench four inches deep and cover with about an inch of soil. After the plants are well up, thin them to about six inches apart and gradually fill the trench to the level of the garden. When hoeing draw the soil towards the plants, but do not form a ridge. One quarter pound of seed will sow fifty feet. Furnish support early. The one important point is to keep the surface of the soil fine and mellow from the time it is worked up in the spring.

We have reduced this list to the most desirable sorts.

Standard Varieties

Per packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; $\frac{1}{2}$ lb., 80 cents; lb., \$1.50.

White

Dorothy Eckford. Very large, semi-hooded form. A grand flower.
Nora Unwin. A splendid flower. Extra large and open, wavy form.

Rose and White

Apple Blossom. Standard crimson pink. Wings white, shaded pink. Hooded form. Usually four flowers to the stem.
Earliest of All. Standard rose. Wings white. The earliest form of the well-known Blanche Ferry.

Light Pink

Countess Spencer. The type of a new race. The open-form flowers are of great size and with wavy margins. Countess Spencer is a bright, clear pink, a little deeper at the edges.

Countess Spencer Hybrids. Extra large and beautiful Sweet Peas in various shades of pink, orange, salmon and rose.

Gladys Unwin. Bright, clear pink, a little deeper at the edges. Countess Spencer form, but a little smaller, lighter color and flowers more freely.

Lovely. Light pink, shading deeper toward the center of the flower. Vigorous and free bloomer. Hooded form.

Modesty. A delicate tint of pink, a trifle deeper at the edges. Hooded form.

Prima Donna. The favorite soft, clear, pink self. Good size. Hooded form. Vigorous and free flowering.

Primrose and Buff

Hon. Mrs. E. Kenyon. Light primrose. Very large semi-hooded form.

Marchioness of Cholmondeley. Delicate creamy buff. Wings lighter than standard.

Lavender and Mauve Shades

Lady Grisel Hamilton. The largest and lightest shade of lavender. Standard light mauve. Hooded form.

Mrs. Geo. Higginson, Jr. The clearest delicate lavender, free from mauve tint. Semi-hooded form.

Blue and Purple Shades

Flora Norton. The brightest and clearest blue. Medium size, open form.

Mrs. Walter Wright. Rose purple. Large, hooded form.

Navy Blue. The best dark blue. Distinct and a vigorous grower.

Deep Pink and Rose

E. J. Castle. Bright rose crimson, with veins of deeper rose. Large open form. Wavy edges.

Mrs. Dugdale. Crimson rose. Very large shell-shaped [flower]. Distinct and attractive.

Prince of Wales. The largest and best rose crimson. Vigorous and free flowering.

Orange Pink

Bolton's Pink. Salmon pink, veined with rose. Large handsome flower. Semi-hooded form. Less orange than Miss Willmott.

Miss Willmott. Standard orange pink. Wings rose, tinted with orange. The best orange pink. The large semi-hooded flowers are borne on long stems.



STANDARD

SWEET PEAS

Shades of Red

King Edward VII. The largest and brightest red yet introduced. Crimson scarlet. Open form.

Queen Alexandra. The nearest approach to a true scarlet. Semi-hooded form.

Maroon

Othello. Dark maroon self. Large, hooded form.

Shazada. Standard deep maroon. Wings dark violet. Large, semi-hooded form.

Variiegated

America. Crimson scarlet stripes on white ground. The brightest striped variety. Large, open form.

Aurora. Orange rose stripes on white ground. The most attractive striped variety. Large, hooded form.



PRICES OF SWEET PEAS

Owing to the almost total failure of the crop of Sweet Peas, the past season, both in this country and in Europe, we have been obliged to advance the price of Sweet Peas by weight. We have not raised the price of single packets nor lessened the amount of seed they contain.

PERENNIAL PEAS

The Perennial or Everlasting Pea (*Lathyrus latifolius*) is one of the best of the hardy climbing plants. Although not fragrant like the Sweet Pea the large flowers are produced in clusters and the plants remain in bloom for a long time. The Perennial Pea is very easily grown from seed, will succeed in almost any situation and once established will remain for years without replanting. It does well in shady and in moist places where other climbers would not thrive. Perfectly hardy. Grows from five to eight feet in height.

White, Rose and Red, each 5
Mixed colors 5

Standard Varieties of Sweet Peas

MIXED SWEET PEAS

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.

Packet, 5 cents; oz. 10 cents; ¼ lb., 30 cents; ½ lb., 60 cents; pound, \$1.00.

Vick's Banner Collection

Sweet Peas in Separate Colors

The only way to become thoroughly familiar with Sweet Peas is to grow them separately and compare the different varieties when they are in bloom. To enable our customers to have, for a small outlay, flowers of all of the best of the standard varieties we have prepared **VICK'S BANNER COLLECTION**. This contains 20 named varieties in separate packets, and covers the whole range of colors in Sweet Peas and has been selected with great care so as to give the choicest varieties of standard Sweet Peas of the various colors.

Banner Collection (20 packets) 30 cents

SPENCER SWEET PEAS

The forerunner of this new type was Countess Spencer. The Spencer Sweet Peas are distinguished by the vigorous growth of the plants and the size of the flowers, which have a diameter of two inches under favorable conditions. In addition, the long stemmed flowers have wavy or fluted petals. In some of the Spencer varieties this fluting is very pronounced. It should be borne in mind that favorable conditions of soil and moisture are necessary to bring these magnificent flowers to perfection.

America Spencer. The strain we offer is first-class, being beautifully striped, flaked and splashed—a pure bright red on a ground of glistening white. The plant is wonderfully free flowering; the stems are long and bear uniformly four blossoms each, all very large, very wavy and extremely bright and effective. Packet 15 cents.

Black Knight Spencer. Deep maroon, same as parent with wavy standards and large wings. Packet 15 cents.

Blanche Ferry Spencer. A vast improvement in form over the old standard variety. A wonderfully bold and striking flower. Packet 15 cents.

Dainty Spencer. A white variety with a distinct pink edge. Flowers large, wavy, delicate and beautiful; borne on long stems, and come uniformly four blossoms to a stem. Packet 15 cents.

Mrs. Joseph Chamberlain Spencer. A bright rose, striped and flaked on white ground. In the Spencer size this is a wonderfully bold and striking flower. Packet 15 cents.

Mrs. Walter Wright Spencer. Rosy mauve, a new form of Spencer of great beauty. Large bold flowers and an abundant bearer. Packet 15 cts.

Princess Alice Spencer. A beautiful shade of light lavender slightly tinted with white. Princess Alice is fully up to the true Spencer standard. Packet 15 cents.

Princess Katherine Spencer. A grand new white variety, giant in size and most beautifully fluted. The buds and newly opened flowers are delicately tinted with pink and being a black seeded variety it is hardy. Packet 15 cents.

Senator Spencer. The ground color is ivory and the stripes, flakes and splashes are of seal brown, chocolate and heliotrope. The general effect of the blossom is brown and a bunch is really very attractive. Packet 15 cts.

W. T. Hutchins Spencer. Soft, delicate shades, being buff and straw, with margin and edges of light apricot pink. It bunches beautifully and contrasts nicely with the orange pink varieties. It opens early in the season and is most satisfactory all through the summer. Packet 15 cents.

Superior Mixture of Spencer Sweet Peas

This mixture is made in our own seedhouse, and contains the best of Spencer Sweet Peas. We know just what goes into the mixture and we are sure you will be pleased with the assortment at blooming time. Packet 10 cents; ounce, 25 cents; quarter pound, 75 cents; half pound, \$1.50; pound, \$2.50.

TEN WEEKS STOCK

The Ten-Weeks or Annual Stock has nearly or quite all the requisites of a perfect flowering plant—good habit, fine foliage, fragrance and beautiful flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold-frame, but transplanting should be done when the plants are just out of the seed-leaf. Make the soil deep and rich, and set the plants a foot apart. If plants that are not too far advanced are carefully potted in the fall, they will flower finely in winter in a house that is tolerably cool and moist. For this purpose sow seeds late in the season. Although not a constant bloomer, like Phlox, the flowers endure for a long time, and the side shoots give a succession of blossoms when the plant can obtain a needed supply of moisture.

- Largest Flowering Dwarf.** From pot grown plants Dwarf habit, with magnificent large spikes of large double flowers. All colors mixed 10
- White, flesh-color, aurora, apple-hlossom, rose, carmine, shining purple carmine, crimson, blood-red, light-blue, violet, each 10
- Dwarf German,** from field-grown plants. Mixed colors 5
- Large-flowering Pyramidal Dwarf.** Of pyramidal habit; long spikes of large flowers. Choice colors mixed 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 Stocks. Admirably adapted for forcing. The snow-white flowers are uncommonly large and double. An extra choice strain 25

- Dresden Perpetual** (Cut-and-Come-Again, or Princess Alice.) Pure white. Plants of robust growth and branching habit. If sown early commences blooming in June and continues until frost, producing flowers in September and October, when other varieties have faded. Fine for cutting. 10
- Large-flowering Wallflower-leaved.** Smooth, dark, shining leaves. Dwarf. Set six inches apart. Mixed colors 10
- Wallflower-leaved White.** A beautiful variety, the flowers being the clearest possible white, contrasting grandly with the dark green, glossy foliage. Grown largely for cut flowers 10
- Wallflower-leaved Blood-red.** The deepest red of all the Stocks. A very choice variety, prized by florists for cutting 15

Early Large-Flowering Winter Stock

- Giant Nice White.** Very fine variety. 10
- Giant Nice Yellow.** Excellent 10
- Beauty of Nice.** Strong spikes, with large flowers of a delicate flesh pink 10
- Queen Alexandra.** New. Rosy lilac, similar to preceding. Splendid 15
- Crimson King.** New. Brilliant fiery crimson. Beautiful 10
- Empress Elizabeth.** Splendid. Immense spikes of bright carmine flowers. Superb both for pots and cutting 15
- Best mixed colors** 10

SCABIOSA—MOURNING BRIDE

The Scabiosa is an old favorite, and of late years has been greatly improved. The flowers are borne on long wiry stems, in white, yellow, pink, scarlet, crimson, and maroon. Beautiful in the garden, and excellent for bouquets. Very easily grown and has a long season of bloom. Twelve to eighteen inches high. Annual.



- Double Tall. Mixed colors** 5
- Double Dwarf.** A pretty compact plant. Mixed colors 5
- Double Yellow.** A distinct color, obtained after years of careful selection 10
- Double White** (Snowhall.) Pure white. 5
- Royal Purple.** Large-flowered double. Color rich claret. 5

Caucasica (Hardy) One of the best of the hardy perennials. The large flowers are a beautiful soft lilac color and are borne on long stems. They are exceedingly charming as cut flowers. The plants begin to bloom in June and continue throughout the season. 10

SWEET ROCKET

The Sweet Rocket is a very hardy perennial, bearing clusters of single flowers, which are fragrant during the evening. Colors purple and white. The plant, with fair culture, will grow eighteen inches high. Seed will germinate readily in open ground. Sweet Purple, Sweet White, or mixed, each 5

SHASTA DAISY

A very hardy perennial, blooming better and more abundantly each season, and continuing to bloom for several months. The pure white flowers are from two and one-half to four inches in diameter, and are borne on single, long, stiff, wiry stems. The blooms when cut remain perfectly fresh and in good condition for two weeks or more. Seed, per packet, 10 cents. Plants, each 20 cents.

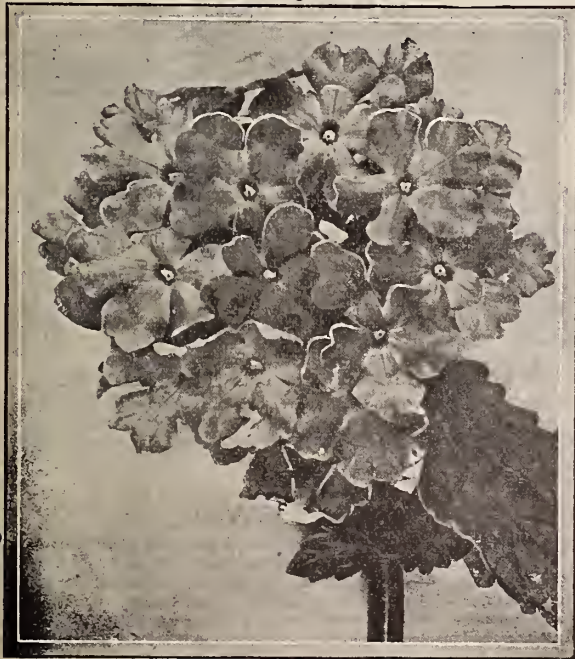
VICK'S VERBENAS

Unrivalled as low growing bedding plants. The following are really the only varieties of merit that are imported into this country

Very few plants will make such a gorgeous display during the summer months as the Verbenas, or furnish more flowers for cutting. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual. They flower in July, and continue strong and healthy until destroyed by severe frosts.

- Auricula-Flowered or White-Eyed.** Mixed colors 10
- Striped.** Excellent flowers, with Carnation-like stripes 10
- Scarlet.** Brightest scarlet. Quite true 10
- Pure White.** Quite true from seed. 10
- Blue.** Shades of blue and purple 10
- Yellow.** Pale primrose yellow 10
- Pink** 10
- Purplish Violet,** with large white center 10
- Verbena hybrida.** Extra large flowers, fine mixed colors, choice seed, saved only from the most beautiful named flowers, ounce, \$2.50 10
- Mixed colors** 5

VICK'S VERBENAS



Vick's Zinnias

The Zinnia is prized for its brilliant colors, for the size and perfection of its flowers, for its sturdy growth, and for the associations connected with it as an old time favorite. Seed sown in the open ground will produce strong plants, which will thrive and bloom from early summer until killed by late frosts. Set plants from twelve to eighteen inches apart. The young plants can be easily transplanted if desired.

GIANT-FLOWERING DOUBLE
Plants of vigorous growth, about three feet high, bearing profusely their perfectly-formed double flowers, from four to five inches in diameter.

- Scarlet Striped Gold 10
- Citron-Yellow 10
- Queen Victoria. A variety of vigorous growth, with very double pure white flowers about four inches in diameter 10
- All colors mixed 10



VICK'S ZINNIAS
GIANT-FLOWERING

Giant-Flowering Isabella

A new and very effective shade in Zinnias. A delicate buff, shaded yellow. The very double, almost globular flowers attain a diameter of four and one-half to six inches. These magnificent flowers, in pale salmon-yellow, are undoubtedly the finest Zinnias yet introduced. Packet 25

LARGE-FLOWERING TALL DOUBLE.

- Separate Colors—lilac, purple, scarlet, rose, crimson, orange, yellow, white—each. 5
- One packet of each of the above eight varieties for 30 cents.
- All colors mixed, ounce, 50 cents 5
- Curled and Crested. A beautiful strain of this popular plant, showing on each plant from 100 to 200 large double flowers, the petals being crested, twisted and curled into graceful and most fantastic forms. The colors comprise all the beautiful shades characteristic of the Zinnia 5

LARGE-FLOWERING DWARF DOUBLE.

- Only two feet high; compact-growing. Flowers very large, double to the center, and of perfect form.
- Eight separate colors,—crimson, scarlet, yellow, orange, purple, violet, salmon, and pure white; each color 5
- One packet of each of the above eight varieties for 30 cents.
- Choicest colors mixed; ounce, 50 cents 5
- Double Striped. A class embracing colors of the Large-Flowering Dwarf Zinnias, with striped and blotched petals. They grow about 50 per cent. striped, remainder solid colors. Mixed colors only 10

Dwarf Zinnia Fire King (New)

The plants of Fire King grow from twelve to eighteen inches in height. The flowers are very deep scarlet, three to four inches in diameter, and perfectly double. Nothing could exceed in brilliancy a bed of Fire King. Packet 25

LILLIPUT VARIETIES.

Exceedingly pretty plants, fifteen inches high, and thickly branched. Flowers but little larger than a Daisy in size, very double, and freely produced all summer and until late in fall. Fine for pots, as well as for groups and borders. Mixed Colors 10

Vick's Collection of Zinnias

Attention is called to the magnificent colors of the flowers of the Large-Flowering Zinnias. It is not long since the Zinnia was considered a coarse plant, with muddy color effects in the flowers, and we must confess that we are surprised at the improvements made in the past few years. On our trial ground Zinnias were grown beside Dahlias, and the solid colors equaled in brilliancy the more aristocratic flower. We are sure that any who purchase the collection in separate colors will be more than pleased with their investment.

Tall Double Zinnias, Eight Separate Colors

Lilac, purple, crimson, scarlet, rose, orange, } **30 cents**
yellow, white, in one collection for . . . }

THUNBERGIA

For house culture, baskets, and vases, there are few plants superior to the Thunbergia, as they are beautiful, rapid-growing annual climbers, with pretty flowers (white, buff, or orange, with dark eyes) borne in profusion. Seeds start slowly at first, and should be sown in a hotbed. When the plants are a few inches high transplant to a light, rich, loamy soil in the garden. They may be used very effectively in beds, pegged down. Mixed colors 10

VIOLETS—"Viola cornuta"

This is a beautiful old border flower which, since its introduction into the summer flower-garden, has been taken in hand by the hybridizer, and many lovely forms of it now enrich our collections. It commences to flower in the early season and continues until frost. Habit and constitution robust; flowers large and delicately fragrant.

- Viola cornuta Admiration. Magnificent flowers of a beautiful dark blue . . 10
- Viola cornuta. Dark blue, lavender, and white. Sold only in mixture . . . 10
- Viola cornuta. Tufted Pansies. All the finest colors mixed 10
- Viola lutea grandiflora (splendens). Large yellow 10

VINCA—Madagascar Periwinkle

The Vincas are very ornamental, and bloom freely from early summer until destroyed by frost. In the fall they can be potted and kept in bloom through the winter. Seed started inside in early spring will give a long season of bloom. Plants grow about one foot in height. Annual.

- Rose and White, mixed 10

WALLFLOWER

These deliciously fragrant half-hardy perennials should be better known. By growing plants in the garden and transplanting to pots in the autumn; or better, by placing plants in pots when taken from the seedbed, 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, or they may be protected in a coldframe during winter, and planted out in May. Where winters are not very severe the Wallflowers make most desirable plants, giving plenty of early spring flowers.

- Fine mixed colors, double 10
- Flowering first season fine mixed colors, single 5

EVERLASTINGS

- Acroclium.** One of the most beautiful Everlastings. Gather the first day they open to secure a bright center when dried. Bright rose and white. Single varieties, both colors mixed, ounce, 30 cents 5
- Double varieties mixed 10
- Gomphrena (Globe Amaranth).** Start seed in a hotbed, if possible. Set the plants about a foot apart. Mixed varieties, ounce 20 cents 5
- Helichrysum monstrosum.** Flowers double, 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. Mixed colors 5
- Helipterum** grows about a foot in height, branching, bearing very many clusters of flowers. Should be taken when the buds are about opening, tied in bunches, and hung up in a shady place. The flowers will open in the drying process, retaining their color and brightness for many years. **Sanfordii.** Choice. Flowers small, rich yellow 5
- Rhodanthe.** Fine for garden. Comes into flower early and continues a long time. One of the best everlastings for bouquets. Care is necessary in starting seeds. After good plants are grown we never fail to obtain abundance of flowers. Fine single mixed 10
- Xeranthemum.** Free-blooming annual. One foot. Seeds germinate freely. Transplants well when young. Set ten inches apart. Mixed colors. 5

SEEDS OF BULBS

- There are some bulbs which do not come to perfection very rapidly from seed, and therefore amateurs seldom have patience to wait for this slow process, but obtain plants or bulbs that will flower the first season. A few, however, take pleasure in watching the development from the tiny seed to the perfect plant. For the benefit of such we keep a stock of seeds of bulbous plants.
- Dahlia.** Choicest double varieties mixed 10
 - Dahlia.** Finest single varieties mixed 10
 - Gladiolus** 10

SEEDS OF TENDER PLANTS

MOST of the plants in this department come from warm, moist climates, so we must supply similar conditions artificially. To do this without a greenhouse, sow the seeds in boxes or large pots; make a compost of three parts rotted sod and one part fine sand; this makes a rich soil that will not bake. Sow the seed very thin on the surface, then sift a very little fine earth over them, and water gently through a fine sprayer; lay a piece of glass over the top, and put the boxes or pots where they may have ordinary warmth and light, but no direct sunlight. When the plants are up remove the glass, or they will become mouldy and decay near the surface of the ground. As soon as they have made two leaves, transplant carefully into another box or pot of similar soil, set in a shady place for a few days, and water very sparingly. When somewhat established, remove them to the light.

- Abutilon.** (Chinese Bell-Flower or Flowering Maple). A well known greenhouse shrub which will bloom freely with very common treatment. Seeds sown any time before April in a temperature of about 60 degrees, will produce strong flowering plants the first season. Finest varieties mixed. 10
- Begonia Rex-Diadema.** This seed has been saved from the largest and finest collection in Europe, and contains all the latest varieties 50
- Single Tuberous-rooted. Finest mixed. 25
- Double Tuberous-rooted. Finest mixed 50
- Calceolaria.** The Calceolarias are very beautiful and popular plants, producing masses of peculiar pocket-shaped, striped, blotched, and variegated flowers. They make gorgeous plants for greenhouse or window. **hybrida grandiflora.** Large-flowered, self-colored, rich and beautiful; saved from finest collection 25
- hybrida tigrina.** Large-flowering, tigered and spotted. Finest mixture of most brilliant and beautifully marked flowers 25
- Cineraria.** These may be classed among the most useful flowering plants we possess, and are comparatively easy to grow from seed. Their exceedingly bright colors and compact habit constitute them most suitable conservatory decorative plants. **hybrida, choice mixed.** 25
- hybrida grandiflora.** From the largest-flowered prize varieties. Splendid mixed 50
- Coleus.** Remarkable for the brilliant colors of the foliage. Mixed seeds from choicest sorts. 25
- Cyclamen Persicum giganteum.** Choice strain, large flowers, rich colors 20
- Persicum.** Choice mixed 10
- Geranium.** Fine mixed 10
- Choicest fancy varieties, (Lady Washington) mixed sorts. 25
- Gloxinia hybrida.** Best quality; from choice show flowers. 25
- Impatiens Sultani.** Rosy-carmine. Constant bloomer 10
- Lantana.** Finest mixed 10
- Linaria Cymbalaria (Kenilworth Ivy).** Lavender and purple 10
- Oxalis floribunda.** Fine for baskets or for pots. White and Pink mixed 10
- Passiflora cœrulea.** The hardest Passion Flower 10
- Primula Sinensis (Chinese Primrose).** Choicest fringed varieties mixed 25
- Forbesii (Baby Primrose).** Fine for the house, needing little care 20
- obconica grandiflora.** Profuse bloomer, bearing on long stems heads with 10 to 15 flowers. Mixed varieties 15

ORNAMENTAL GRASSES

- Agrostis nebulosa.** The most elegant of Ornamental Grasses 5
- Arundo Donax variegata aureus.** Perennial. Strong stem, with golden-yellow striped leaves. Six feet high 5
- Briza maxima.** Perfectly hardy. One foot 5
- Briza geniculata.** Small; flowers freely. Eight inches 5
- Chrysurus cynosuroides (Lamarckia aurea).** Feathery spikes 5
- Coix lachryma (Job's Tears).** Two feet; Corn-like leaves. Ounce 20c 5
- Erianthus Ravennæ.** As fine as Pampas Grass. Superior for a northern climate. Hardy. Plants, 15 cents each; seeds 5
- Glycerium 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. Flowers second season 5

SEEDS OF HARDY CLIMBERS

- These plants are usually 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 Veitchii.** (Japanese Ivy.) Good wall plant, clinging to the smoothest surface. Absolutely the finest of the clinging climbers 5
 - Bignonia (Tecoma) radicans.** Trumpet Vine 5
 - Celastrus scandens.** Climbing Bitter-Sweet. 5
 - Clematis Flammula.** Fragrant, white 5
 - Clematis Vitalba.** White 5
- WILD GARDEN.** Mixed Flower Seeds, in great variety, for sowing broadcast, per ounce, 20 cents 5

- Schizanthus Wisetonensis.** As a pot plant this has hardly a superior. It is literally covered with small orchid-like flowers and remains in bloom from four to six weeks 15
- Smilax.** A graceful as well as useful climber for the greenhouse or window. It is invaluable for bouquets and floral decorations. Sow seed in February in hot-bed or greenhouse, and keep in a moist place 10



GERANIUM FROM SEED



Hardy Plants and Bulbs



For a complete list of the Best Hardy Plants for the garden, you are referred to our Catalogue "Hardy Plants Old and New," in which are illustrated and Described Hardy Plants, Roses, Shrubs and Climbers. A copy will be mailed free on request.

ACHILLEA

"The Pearl." The blossoms are of purest white, and so large that they resemble a Pompon Chrysanthemum. Hardy, and will thrive in almost any situation. Very desirable for the garden or cemetery. Blooms nearly the whole season. Each, 20 cents; three for 50 cents.

Millefolium roseum. Foliage very finely cut; flowers pink. A continuous bloomer. Each 20 cents; two for 30 cents.

Tomentosum. Bright yellow flowers. Very fine for rockeries. Each 20 cents; two for 30 cents.

ALYSSUM

Saxatile compactum. Flowers golden yellow, very showy. Fine for rockery or edging. Each 20 cents; dozen \$2.00.

ANEMONE

Whirlwind. This new double variety has the habit, and all the other good qualities of the Single White Japan Anemone, with the additional ones of greater hardiness and more lasting blooms. The flowers are two and a half to three inches across, and have several rows of white sepals. The plants grow from two and a half to three feet in height. Each, 20 cents; dozen, \$2.00.

Queen Charlotte. Early-flowering, vigorous grower. Begins flowering in August, and continues until November, becoming more attractive each day. Flowers semi-double, broad, perfectly formed, and of a delightful shade of silvery pink. Each, 20 cents; dozen, \$2.00.

Japonica Alba. Flowers pure white with yellow center, single. Each 20 cents; dozen, \$2.00.



AQUILEGIA

Each 20 cents; dozen, \$2.00.

Chrysantha. The beautiful golden-yellow Columbine.

Coerulea. The true Rocky Mountain Columbine. Flowers blue.

Skinneri. Scarlet and yellow.

Erskine Park Hybrids. Beautiful hybrids. A fine selection of the most popular colors.

Single Mixed. All colors in a fine mixture.

Double Mixed. Flowers very large, full and double



DELPHINIUM, Larkspur

Valuable plants for the herbaceous garden, that will give perfect satisfaction to any one who grows them. Their long spikes of flowers are produced from June until frost.

Formosum. The finest blue known among our hardy plants. Each, 20 cents.

Bee Larkspur. Remarkable and interesting, the petals being folded up in the center of each flower so as to resemble a bee. Flowers lighter than Delphinium formosum. Each, 20 cents.

Sinensis. Foliage delicately cut. Large panicles of handsome flowers varying in color from white to blue. Each, 20 cents; dozen, \$2.00.



CANTERBURY BELL, CAMPANULA MEDIUM

CAMPANULA, Bell Flower

Each, 20 cents; dozen, \$2.00

Carpatica. Very dwarf habit, flowers blue; in bloom all summer.*Carpatica alba.* A white-flowered form of *carpatica*.*Persicifolia.* Grows about one and one-half feet high and produces a great number of blue flowers in loose clusters from June to October.*Persicifolia alba.* A white form of the above.*Pyramidalis.* A most attractive plant for the border, a single plant producing hundreds of flowers, forming a perfect pyramid, covered with large, blue flowers. Height from four to five feet.*Pyramidalis alba.* Same general habit as *Pyramidalis*, but the flowers are white.*Medium.* Better known as Canterbury Bells. Our stock has been grown from the finest strain of seed.**BLEEDING HEART***Dicentra spectabilis.* Bears heart-shaped deep pink flowers, a dozen or more being borne in a graceful drooping raceme, a foot in length. Each, 30 cents.**BOLTONIA ASTEROIDES**

Among the showiest of our native hardy perennials. Attains a height of four to five feet, with large, aster-like flowers of a pure white color; very free-flowering. Each, 20 cents; dozen \$2.00.

CLEMATIS*Davidiana.* A vigorous, hardy plant, two to four feet high, flowers bell-shaped, deep lavender or violet in color, very fragrant, and produced in clusters in great profusion. Strong plants, each, 20 cents dozen, \$2.00**COREOPSIS***Lanceolata.* The flowers are two to three inches in diameter, a rich golden yellow, of graceful form on long slender stems, and invaluable for cutting. In bloom from June until October. Each, 20 cents; dozen, \$2.00.**CORNFLOWER ASTER, *Stokesia cyanea***

Valuable native hardy plant of easy culture. Large, handsome flowers of lavender blue, borne profusely from July until frost. Each, 20 cents.

ERIANTHUS*Ravennae.* (Hardy Pampas Grass). Grows from 9 to 12 feet high, frequently throwing up from 30 to 50 flower spikes. Each 15 cents; dozen, \$1.50.**EULALIA**

Handsome, tall, ornamental grasses for the open lawn, or for clumps in the borders of shrubbery.

Japonica zebrina. Stripe or marking is across the leaf instead of lengthwise. *Japonica variegata.* This variety, except that the variegation of the leaf is lengthwise, is very similar in style and growth to *E. Japonica zebrina*.*Gracillima univittata.* The most beautiful of all the Eulalias. Foliage narrow, dark green, with a silvery white midrib.

Each, 20 cents; one plant each of above three for 50 cents.

FORGET-ME-NOT*Myosotis palustris.* The true perennial Forget-me-not. A variety that is always in flower. Each 15 cents; dozen, \$1.50.**FOXLGLOVE, *Digitalis***

A highly ornamental perennial plant of stately growth. Excellent for planting in shrubberies with other hardy plants. The racemes of spotted, hood-shaped flowers are often two feet in length. Each, 20 cents.

GAILLARDIA*Grandiflora.* Among the most attractive and effective of our hardy perennial plants. Will thrive in almost any position or in any soil. One mass of bloom from June till autumn. Flowers from 2½ to 3½ inches in diameter, borne on long stems, and of gorgeous coloring. Excellent for cutting. Each, 20 cents.**GYPSOPHILA (Baby Breath)***Paniculata.* Gypsophilas are valuable for bouquet making, either green or dried. They are very graceful and easily cultivated. Should be in every garden. Flowers white. Each, 20 cents.**HARDY ASTERS—Michaelmas Daisies**

The hardy Asters produce an abundance of bloom in the fall, when other flowers are scarce. Each, 20 cents; dozen, \$2.00.

Lady Trevelyan. Pure white. Dwarf. *Pyramidalis.* Light blue. Dwarf. *White Queen.* Pure white. Tall.**HELIANTHUS—Hardy Sunflowers**

These varieties of Helianthus 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. Each 10 cents; dozen, \$1.50.

Helianthus latæfrons. Plant of distinct habit, forming a pyramid of lovely flowers and foliage. Flowers golden yellow, single.*Maximilliana.* Golden yellow, with reddish brown center. Single.*Multiflorus Fl. Pl. (Double Hardy Sunflower).* Large, double Dahlia-like golden-yellow flowers in great profusion during July and August; 4 feet.*Rigidus.* Of fine upright habit of growth. Flowers light yellow with maroon center. Three feet.*Miss Mellish.* Flowers in September and October. Grows about six feet high, with large, single golden-yellow flowers.**HIBISCUS, Marsh Mallow**

Strong plants from three to five feet in height. The large flowers from four to eight inches in diameter. Grow especially well in moist situations.

Crimson Eye. Pure white, with a velvety crimson center. Each, 20 cents, two for 35 cents.*Militaris.* Delicate flesh-pink flowers, tinged with deeper color towards the center. Each, 20 cents; two for 35 cents.**HOLLYHOCK**

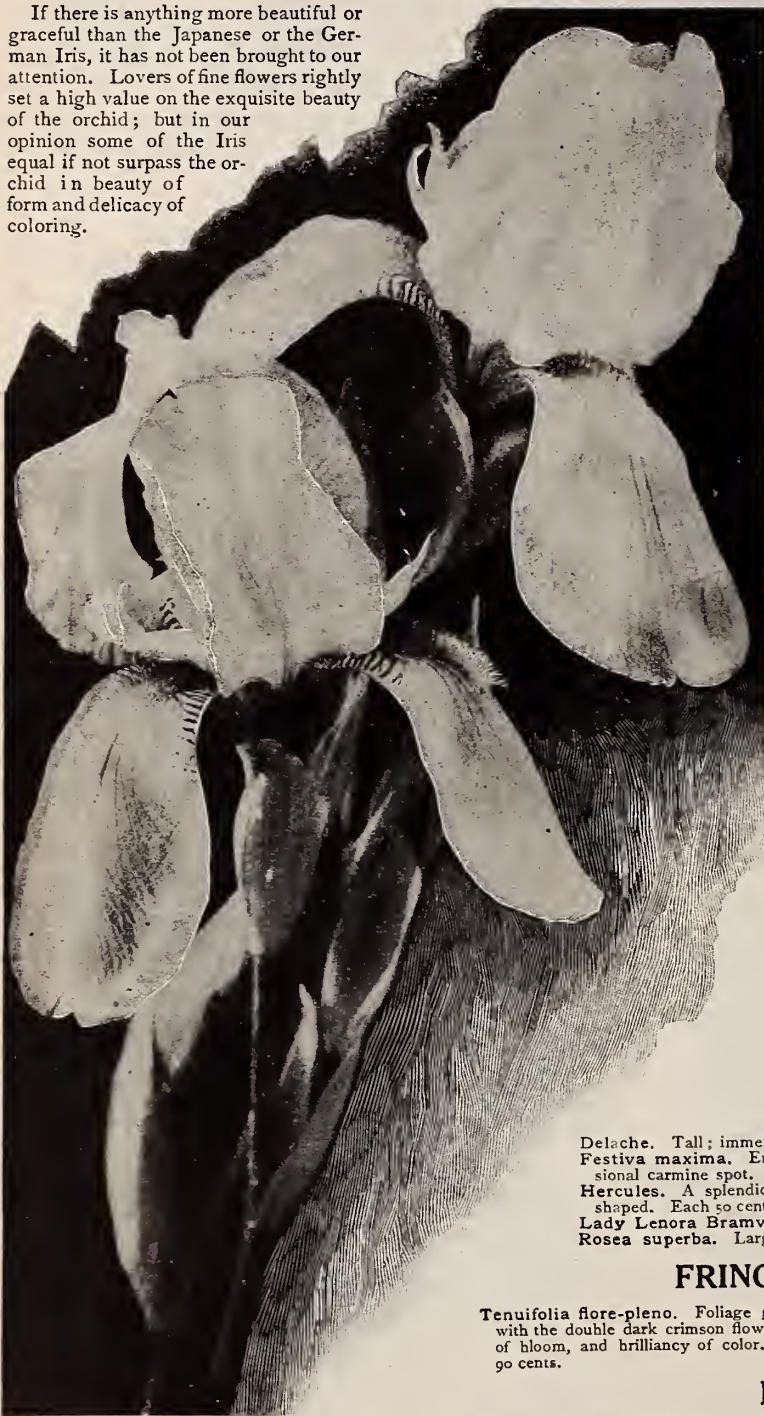
We have excellent healthy plants, grown from seed, that will flower the first summer, and usually for three or four summers thereafter.

Double, Assorted colors. Each, 20 cents; six for \$1.00.

"Allegheny." New Fringed Perpetual-Blooming. A great improvement in Hollyhocks. The flowers come single, semi-double, and double. Each 20 cents; six for \$1.00.

IBERIS, Evergreen Candytuft*Sempervirens.* Produces innumerable flat heads of pure white flowers during April and May. Each, 15 cents; dozen, \$1.50.

If there is anything more beautiful or graceful than the Japanese or the German Iris, it has not been brought to our attention. Lovers of fine flowers rightly set a high value on the exquisite beauty of the orchid; but in our opinion some of the Iris equal if not surpass the orchid in beauty of form and delicacy of coloring.



Flowers of the beautiful

GERMAN IRIS

IRIS GERMAN IRIS

Fleur-de-lis

Perfectly hardy. They bloom in May and June, when there is always a scarcity of flowers. Plant three inches deep. Each, 20 cents; six for \$1.00.

Celeste. Light blue.
Gesneriana. White and lavender.
Madame Chateau. White.
Madcap. Lavender and purple.
Souvenir. Old gold and purple, tall grower.
Pharaon. Blue, shaded rose color.

IRIS PALLIDA DALMATICA

This is the noblest of all the Iris family, the stems growing from three to four feet high, with leaves two inches wide and eighteen inches long. The flowers are sky-blue in color and very fragrant. Each, 50 cents; dozen, \$5.00.

JAPAN IRIS

The flowers of the Japan Iris are of the richest colors, ranging from white to purple, with delicate markings and veinings, and quite different in form from those of the German Iris, being much flatter and larger. Named varieties, all double, each, 25 cents; dozen, \$2.50.

Blue Danube. Deep indigo blue, violet shadings.
Gold Bound. Pure white.
Mars. Reddish purple, striped and blotched white.
Mahogany. Dark red, shaded maroon.
Pyramid. Lilac blue, veined white in center of each petal.
Spotted Beauty. White spotted with violet crimson.

PEONIES

The Chinese Peonies are desirable on account of their large size, fine colors and profuse blooming. They are perfectly hardy, and will succeed on any ground unless so wet that the water will lie on the surface in the winter and spring. May be planted either in the autumn or spring. Extra fine roots, each, 30 cents; per dozen, \$3.00.

Active. Rose, flower very large and compact.
Dr. Bretonneau. Rose, shaded crimson.
Faust. Blush tinged cream. Center marked with crimson.
Festiva alba. White, one of the best.
Fragrans. Bright rose pink, very late bloomer.
Formosa. Dark Pink.
Miss Vaughn. White, single.

Officinalis rubra. The old-fashioned crimson Peony. Rich deep crimson, very early; one of the brightest of the dark-colored varieties.

Pulcherrima. Rose pink.
Pomponia. Salmon center, outer petals rose.
Smitzii. Single, crimson.
Variegata plenissima. Rose and pink.

SET OF SIX SUPERB PEONIES

The Set of Six Superb Peonies for \$2.25.

Achille. Light flesh-colored pink, changing to bluish white, with an occasional creamy spot. Each 35 cents.

Delache. Tall; immense globular heads of crimson maroon. Each 35 cts.
Festiva maxima. Enormous full double bloom. Color pure white with an occasional carmine spot. Each 50 cents.

Hercules. A splendid white and rose pink variety; very large flowers; Anemone-shaped. Each 50 cents.

Lady Lenora Bramwell. Soft silvery pink. Each 35 cents.

Rosea superba. Large convex bloom; very full, light pink. Each 50 cts.

FRINGED LEAF PEONY

Tenuifolia flore-pleno. Foliage graceful and slender, making a fine contrast when arranged with the double dark crimson flowers, that nearly rival the rose in delicate perfume, perfection of bloom, and brilliancy of color. Blooms earlier than other varieties. Each, 50 cents; two for 90 cents.

PYRETHRUM

Roseum. Single flowers of various colors. Each, 15 cents; dozen, \$1.50.

PLATYCODON (Bell Flower)

Grandiflorum. The Chinese Bell Flower. In bloom the entire season. The flower resembles the Clematis in size and color. Two varieties, blue and white. Each 15 cents.



SUMMER HYACINTH

HYACINTHUS CANDICANS

Summer Hyacinth. A beautiful and stately plant, with stems three to four feet high. It has large, pure white pendant, funnel-shaped flowers, in long racemes. Very fragrant. In the North the bulbs should be dug in the fall and wintered the same as Gladiolus. Each, 10 cents.

LOBELIA, Cardinal Flower

Cardinalis. Flowers rich fiery cardinal color. Each, 20 cents; dozen \$2.00
Cardinal Flower.

LYCHNIS

Chalcedonica, (Maltese Cross, Jerusalem Cross.) Produces large heads of brilliant scarlet flowers. A gem for cut flowers. Each, 15 cents; dozen \$1.50.

Viscaria splendens, fl. pl. Forms a dense tuft of evergreen foliage. Flowers double, a deep red, very fragrant. Each, 20 cents; dozen, \$2.00.

LYSIMACHIA, Loose Strife

Clethroides. A fine hardy plant growing about two feet high, with long dense, recurved spikes of pure white flowers, from July to September. Each 15 cents, dozen, \$1.50.

MONARDA DIDYMA

An exceptionally fine hardy perennial for planting among bulbs or in a mixed border. The plant grows about 2½ feet high, branching freely, and bears multitudes of bright red, showy flowers which are surpassed in intensity of color only by the Cardinal flower. For a mass of color it is very striking. Thrives well in the shade. Each, 15 cents; two for 25 cents.

PAPAVER

Oriental. The well-known Oriental Poppy. Flowers scarlet. Each, 20 cents.

PENTSTEMON

Most useful hardy perennial, blooming from June until autumn. Very fine. Coerulea. Flowers blue. Each 20 cents; dozen, \$2.00.

PHYSOSTEGIA, False Dragon-head

One of the most beautiful of our summer flowering perennials, bearing long spikes of tubular shaped flowers.
Virginica. A delicate pink. Four feet.
Virginica Alba. Pure white. Two feet.

HARDY PINKS

These pinks are perfectly hardy, and will remain in the open ground all winter without protection. Each, 20 cents; two for 30 cents; dozen, \$1.50.
Comet. A fine shade of red, flowers double, clove scented.

Her Majesty. Flowers very large, fringed, very double, and pure white. Fragrance delicious, clove-scented. Long stiff stems support the flowers.

Souvenir de Salle. Flowers a delicate soft rosy pink, being fully as large as a Carnation; beautifully formed, very double, and exceedingly useful for cutting. One of the best Pinks.

White Reserve. A nicely fringed white. Always in bloom.

PERENNIAL PHLOX

With Perennial Phlox a show of brilliant flowers can be had from June until November, as they are perpetual bloomers. Perfectly hardy.

Strong field-grown plants, each, 20 cents; dozen, \$2.00.

Coquelicot. Bright scarlet.

Cyrano. Large truss of pink flowers.

Esclamonde. Rosy lilac, shaded white; large purple center surrounded with white halo.

Faust. Bright rose.

Heroine. Beautiful bluish purple.

Lothair. Rich salmon, crimson eye.

M. Bezanson. Fiery crimson, velvety purple eye.

Purity. Pure white.

Richard Wallace. Pure white with distinct violet eye.

Rosetta. Deep rosy crimson violet.

Sir Edwin Landseer. Brilliant crimson.

The Pearl. The finest pure white variety.



PERENNIAL PHLOX



RUDBECKIA, PURPUREA

RUDBECKIA

GOLDEN CLOW. (*Rudbeckia laciniata flore-pleno*). A beautiful hardy perennial, eight feet high, blooming from July to September. Flowers double, deep golden yellow, borne on long stems, making it suitable for cutting. One of the most effective decorative plants for garden or lawn. Each, 20 cents; two for 30 cents; dozen, \$1.50.

Newmanii. Single, golden yellow, with black center; grows about eighteen inches high. Each 20 cents, dozen, \$2.00.

Purpurea. Flowers reddish purple. Two to three feet high. Beautiful and lasting as a cut flower. Each, 20 cents, dozen, \$2.00.

SALVIA

Each, 20 cents, dozen, \$2.00.

Azurea Grandiflora. A Rocky Mountain species, growing two to three feet high, producing during August and September pretty sky-blue flowers in the greatest profusion.

SEDUM (Stonecrop)

Excellent plants for the rockery. Each, 15 cents; dozen, \$1.50.

Acre. A pretty species for rockwork, forms a neat green carpet.

Fulchrum. A low-growing variety, flowers pink.

Spectabilis. A strong upright grower, with heads of showy rose-colored flowers.

Telephium. The well-known "Live Forever." Flowers pink, spotted white.

SCABIOSA

Caucasica. One of the best hardy plants, with flowers of a beautiful soft lilac-color. Blooms from June until fall. Each 20 cents; dozen, \$2.00.

SHASTA DAISY

A fine hardy perennial. The flowers are pure white, with a bright yellow center, average about four inches in diameter, and are borne on long, stiff, wiry stems. Valuable for cutting, remaining fresh for two weeks or more. Each, 20 cents. Dozen, \$2.00.

HERBACEOUS SPIREAS

Spiræa palmata elegans. A beautiful hardy, free-flowering plant, with sweet-scented white flowers and red anthers; a very pleasing and useful plant for cut flowers, and excellent for hardy herbaceous borders. Each 20 cents; dozen, \$2.00.

ARUNCUS. A grand variety three to five feet high, producing in June, long feathery panicles of white flowers. Each 20 cents; dozen \$2.00.

SWEET WILLIAM

Dianthus Barbatas. Splendid old-fashioned perennial. Assorted colors. Each, 20 cents; dozen, \$2.00.

VERONICA

Spicata. An elegant border plant. Long slender spikes of deep blue flowers. Each 20 cents; dozen, \$2.00.

YUCCA, Spanish Bayonet

Filamentosa. Erect stately plant with sharp pointed leaves. Perfectly hardy. Flowers creamy white; bell-shaped. Each, 25 cents; dozen, \$2.50

TRITOMA Flame Flower

Pfitzerii. A grand improvement on the old *Tritoma Uvaria grandiflora*, or Red Hot Poker. The flower spikes, which are produced with considerably more freedom than in the old variety, are of gigantic size, frequently four and a half feet high, with heads of bloom over twelve inches long, of a rich orange-scarlet, shading to salmon-rose on the edge. Each, 25 cents; dozen, \$2.50.

Macowanii. A charming variety, very early to come into bloom, stems long truss rather loose; color orange scarlet and yellow. Each, 20 cents; dozen \$2.00.



TRITOMA, PFITZERII



Hardy Bulbs



LILY OF THE VALLEY

Hardy perennial. Sweet, delicate, and graceful. When planted out of doors set the pips six inches apart and two inches deep in a partially shaded place. For house culture plant in pots, about one inch apart, in moss or sand, and water freely; then set the pots out of doors where they may freeze a day or two; after which bring them in doors, and after thawing, water freely and set in a sunny place in the window. Pips can be ordered in December for house culture, or in spring or fall for garden culture. Pips, half dozen, 25 cents; dozen, 40 cents; fifty, \$1.40; hundred, \$2.50.

DAY LILIES

The Day Lilies are superb autumn flowers, desirable for planting on the side of a lawn or at the edge of shrubbery. The Funkias do well in shade and are much prized on that account.

Funkia alba (White Day Lily). Broad, light green leaves. Flowers large, pure white; fragrant. Each, 20 cents; dozen, \$2.00.

Funkia Japonica. Light blue, with narrow foliage. Each, 20 cts.; dozen, \$2.00.

Funkia undulata media picta. Lavender. Foliage light green, beautifully variegated with white. Each, 25 cents; dozen, \$2.00.

Lemon Lily (Hemerocallis flava). A fine hardy plant, producing an abundance of large, fragrant, golden yellow flowers. Each, 20 cents.

The above four sorts for 70 cents.

Golden Day Lily. (*Hemerocallis aurantiaca major*.) One of the finest perfectly hardy herbaceous plants. The plant is vigorous in habit; 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 seven to eight inches across, of a rich orange-yellow, quite distinct. Each, 30 cents; two for 50 cents.

MAGIC FLOWER

Lycoris squamigera

A Japanese Floral Aristocrat

When we say the *Lycoris* belongs to the stately *Amaryllis* family we place it in the class of floral aristocrats. It comes to us from Japan, and is not only peculiar and odd in its habit of growth, but is positively distinct from other Lily-like plants in its beautiful large pink flowers. In early spring it sends up its attractive strap-leaf foliage, which grows until late in July, when it ripens off and disappears, and one unfamiliar with the plant would naturally think it had died. About a month later, the flower stalks spring like magic out of the bare ground, and rising to the height of two to four feet, develop an umbel of large Lily-shaped flowers from six to fifteen in number, of a delicate lilac-pink, shaded with clear blue. The first flower to open retains its beautiful coloring and shape until long after the last bud on the stem is open. It is perfectly hardy and succeeds in ordinary garden soil. The bulbs are large and acclimated to this country, having been grown for several years in the vicinity of Rochester. The engraving presented herewith shows them in full bloom. It is the best introduction in bulbous plants in many years.

Each, 35 cents; per dozen, \$4.00.

This *Lycoris* was imported from Japan a number of years ago, and grown here by Mr. E. Huftelen of Le Roy, N. Y., who for years has been prominent in Horticulture, making the improvement and hybridization of Lilies a specialty.



MAGIC FLOWER

SELECTED LILIES FOR THE GARDEN

Suggestions for Planting

Plant the large Lily Bulbs, like those of Auratum and Speciosum, eight or nine inches deep. Small bulbs, like those of Tenuifolium, Golden Gleam and Canadense, five or six inches deep. Many fail in this particular, setting the bulbs so near the surface that the frosts of winter almost throw them out of the soil. The Lily throws out roots from the stalk above the bulb, and these serve the double purpose of supplying nutriment to the plant and of bracing and sustaining in position the heavy weight of the blossoms. The soil for Lilies should be made rich with old, well-decayed manure, thoroughly incorporated with the soil; but fresh dressing must never be used, nor must any come in contact with the bulbs. They should be set on and surrounded by a layer of pure sand. When the ground freezes in the fall, apply a covering of stable litter or leaves, which may be forked in, in the spring, thus supplying enrichment to the soil, as well as preventing the ground from baking hard during the summer.

Auratum The Golden-Banded Lily of Japan

has been a favorite variety for outside purposes for many years and no garden, however small, should be without it. Its ease of culture and magnificent flowers of a delicate ivory color thickly dotted with chocolate-crimson spots and a gold band running through the center of each petal, make it one of the most desirable varieties of garden lilies. Blooms about July 20th. While it is hardy, for best results some protection should be given the bulbs in the fall. Extra strong bulbs, imported directly from Japan for our customers, 20 cents each; \$1.85 a dozen.

ELEGANS LILIES

The Elegans Lilies include several very hardy varieties. All have cup shaped flowers that are borne upright. Especially fine for massing.

Elegans atrosanguineum. Deep blood-red flowers, and dark, shining foliage. Blooms latter part of June. Each, 20 cents; dozen, \$1.85.

Elegans Batemani. Flowers orange-salmon. One of the largest of the Elegans varieties. Blooms July 1st. Each, 20 cents; dozen, \$1.85.

Elegans incomparable. Deep-red. Flowers about July 1st. Each, 20 cents; dozen, \$1.85.

Elegans Wallacei. Flowers rich vermilion-orange, spotted maroon. Blooms in the autumn. Fine. Each, 20 cents; dozen, \$1.85.

SPECIOSUM LILIES

The Speciosum Lilies are among the most desirable for all purposes. Entirely hardy and vigorous, the flowers are distinguished for grace, delicate colors and fragrance.

Speciosum rubrum. White and rose, dark crimson spots. Blooms August 15th. Each, 20 cents; dozen, \$1.85.

Speciosum album. White. Blooms August 15th. Each, 20 cents; dozen, \$1.85.

Speciosum Melpomene. Crimson, spotted with deep blood-red; each petal distinctly bordered with white. Same habit of growth as rubrum. Stems dark and color of flower much deeper. Each, 20 cents; dozen, \$1.85.

OTHER CHOICE LILIES

Canadense. Our native Lily. Flowers nodding, delicate scarlet, yellow throat spotted black. Blooms July 10th. Each 15 cents; dozen, \$1.25.

Candidum. The common white Lily. Hardy, free bloomer, fragrant. Orders taken for August delivery. *Cannot be planted at any other time.* Each, 15 cents; dozen, \$1.50.

Golden Gleam. A Charming Novelty. This beautiful new golden yellow lily is a seedling of Tenuifolium and has similar habit of growth. The slender stem is clothed with grass like foliage and crowned with an ample cluster of graceful, delicate flowers of a golden yellow color. Each, 40 cents; half dozen, \$2.00; dozen, \$3.50.



Japonicum longiflorum. The hardy Easter Lily. Very fragrant. White, trumpet-shaped. Blooms about 20th of July. First size, each, 20 cents; dozen, \$1.85.

Leichtlini Maximowiczii. Orange-salmon with purple dots. Vigorous and showy. A refined "Tiger Lily." Blooms August 1st. Each, 20 cts.; doz., \$1.85.

Pardalinum. A California Lily resembling our native Canadense. Flowers red and yellow, with dark spots. Blooms about July 10th. Each, 20 cents; dozen, \$1.85.

Superbum. Our native Turk's Cap Lily. Three to six feet high and bearing five to twenty flowers. Yellow to orange-red, with dark spots. Blooms July 15th. Each, 15 cents; dozen, \$1.25.

Tenuifolium. One of the most beautiful and delicate of the early-flowering varieties. Flowers dazzling vermilion-scarlet, suspended from slender graceful stems; they are so bright as to attract attention from a great distance. Blooms about June 1st. Each, 20 cents; dozen, \$1.85.

Tigrinum Splendens. An improved form of the stately Tiger Lily of our grandmother's gardens. Orange, with dark spots. Blooms August 1st. Each, 15 cents; dozen, \$1.25.

Tigrinum fl. pl. Double Tiger Lily. The flowers are more lasting than the single. Blooms about August 1st. Each 15 cents; dozen, \$1.25.

For a complete list of the Best Hardy Plants for the garden, you are referred to our Catalogue "Hardy Plants Old and New," which illustrates and describes Hardy Plants, Roses, Shrubs and Climbers. A copy will be mailed free on request



Hardy Shrubs



HYDRANGEA ABORESCENS
HYDRANGEA

Arborescens. (*Grandiflora Alba*.) This beautiful hardy American Hydrangea is the most valuable flowering shrub introduced in many years. It remains in bloom practically the whole summer. The large trusses of bloom resemble those of the tender Hydrangea and are made up of large, pure snow-white flowers. It attains a height of five to six feet and about the same breadth. The foliage is very attractive and is more graceful in form than *Hydrangea paniculata grandiflora*. Strong, one-year plants, each, 25 cents; three for 60 cents; dozen, \$2.25. Two-year, each, 50 cents; dozen, \$5.00.

Paniculata grandiflora. One of the finest hardy shrubs in cultivation. The flower trusses are immense heads from nine to twelve inches in length, and nearly as broad. Color purest white, afterward changing to deep pink as the season advances. It blooms in July, at a time when few other shrubs are in flower, and remains beautiful until destroyed by frost. Hardy as a lilac bush. The plants we offer will all bloom the first season. Prices according to size. First size, each, 50 cents; two for 80 cents; dozen, \$4.50. Second size, each, 25 cents; three for 60 cents; dozen, \$2.25.

ALTHEA

Rose of Sharon. Beautiful erect-growing shrubs, of the easiest culture, bearing large showy flowers early in the fall. Very desirable because of flowering when few other shrubs are in bloom. Double Red, Double White and Double Pink, each, 25 cents; dozen, \$2.50.

BERBERIS

Thunbergii (Japanese Barbary). A handsome low-growing form of *Berberis* of Japanese origin. Foliage abundant, leaves small, obovate; flowers reddish; berries bright crimson. In autumn the leaves turn a bright red and make a great display. A beautiful plant for the lawn or the front of the shrubbery, or for a low-growing ornamental hedge. Each, 25 cents; dozen, \$2.50.

CALIFORNIA PRIVET

A strong, vigorous, hardy plant. The best plant known for hedges. May be trimmed to any form, is nearly ever-green, thornless. A fast grower, and without the objectionable features of other hedge plants. Fine habit and foliage. Three-year plants, two and a half to three feet high, \$6.00 per 100; \$5 per 1000, express not prepaid. Two-year plants, fifteen inches high, \$4.00 per 100; \$35 per 1000, express not prepaid.

DEUTZIA

We can highly recommend the *Deutzia* for its hardiness, good habit, great profusion of bloom,—and in every respect as being among the most desirable hardy shrubs.

Lemoinei. Flowers single, pure white, and entirely covering the branches. Strong plants, each 20 cents.

FORSYTHIA

Suspensa (Fortunei). Golden Bells. One of the earliest spring-flowering shrubs, producing large, bright yellow flowers. Each, 25 cents.

LILAC

Purple. The old purple variety. Each 25 cents, dozen \$2.50.

PURPLE FRINGE

Smoke Tree. A spreading shrub, completely covered in summer with large, feathery, purplish panicles, having the appearance of clouds of smoke. Each, 20 cents; dozen, \$2.00.

SNOWBALL

Japanese Snowball (*Viburnum plicatum*). The bush is of lower and more compact growth than the old Snowball, and better furnished with foliage. The flowers are somewhat larger than those of the common form, of a pure white, and remain longer in good condition. Each, 30 cents; dozen, \$3.00
***Viburnum Opulus sterilis*.** The well-known Snowball. Produces large clusters of snow-white flowers in May. Each, 20 cents; dozen, \$2.00.

SPIRAEA

The *Spiraeas* are in the front rank among flowering shrubs for the lawn or garden. Beginning to bloom in May, they produce flowers abundantly throughout the summer. Each 25 cents; any two for 40 cents; dozen, \$2.25

Arguta. Flowers clear white and freely produced. The best very early-flowering white *Spiraea*.

Anthony Waterer. A valuable hardy shrub, especially desirable for bedding and borders. Grows from twelve to fifteen inches high, in a compact, bushy form. It is a perpetual bloomer, bearing large clusters of bright crimson flowers all through the season.

Billardi. Flowers rose-colored, in terminal spike-like panicles, produced nearly all summer.

Billardi alba. Similar to *Billardi*; flowers white.

Bumalda. Half dwarf. Flowers deep rose.

Douglasi. Four to five feet high. Flowers rose-colored.

Van Houttei. A vigorous plant that sends up numerous tall, slender shoots which curve gracefully, and the last of May or in June are literally covered with pure white flowers, making the bush a mass of bloom.

SYRINGA

Grandiflora. Flowers pure white, fragrant. A very popular shrub. Each, 25 cents; dozen, \$2.50.

TAMARIX

Hardy shrub, with very graceful and handsome feathery foliage. The plant flowers so freely that in the early summer it is one mass of pink bloom, completely hiding the foliage. Invaluable for planting by the seaside, where few plants will grow. Each, 25 cents; dozen, \$2.50.

WEIGELA

Handsome summer-flowering shrubs, with an abundance of trumpet-shaped flowers, borne in clusters. Each, 25 cents; three for 60 cents; dozen, \$2.25.

Eva Rathke. Large purplish red flowers.

Nana variegata. Leaves variegated, green, yellow and pink. Flowers delicate rose and pink. A charming shrub.

Rosea. Rose colored flowers, borne in the greatest profusion.



HYDRANGIA PANICULATA GRANDIFLORA



Hardy Climbers



PERENNIAL PEA

Or Everlasting Pea. A very desirable perennial climber, and, though the flowers are not fragrant like the Sweet Pea, they are very handsome, and will be found well worth growing. We offer two colors, pink and crimson. Hardy. Each, 15 cents; two for 25 cents, dozen, \$1.40.

AMPELOPSIS

Veitchii (Japanese or Boston Ivy.) This hardy variety clings firmly to the side of a house or wall, and will soon form a perfect mass of foliage. The leaves overlap with wonderful regularity. In autumn this beautiful climber assumes its greatest beauty, changing until it is a glowing mass of the brightest shades of crimson, scarlet and orange. Hardy. Strong vines, 25 cents; two for 40 cents; dozen, \$2.00.
Quinquefolia, or **Virginia Creeper**. Sometimes called American Ivy and Woodbine. A rapid grower. Foliage crimson in autumn. Each, 20 cents; dozen \$2.00.

AKEBIA QUINATA

A Japanese, hardy, climbing plant, with purplish flowers, purplish mottled berries and handsome compound leaves, composed of five leaflets. An interesting plant. Each 25 cents.

CHINESE MATRIMONY VINE

A vigorous and hardy climber. Flowers bright purple, succeeded by scarlet berries nearly one inch long. Excellent for trellises. Each, 25 cents; two for 40 cents, dozen, \$2.25.

CINNAMON VINE

A very rapid climber of incomparable beauty, with flowers of exquisite perfume. The growth is very rapid and the vines cover a large space in a short time. It is grown from a tuber, is perfectly hardy and will live out of doors without protection. The vine dies to the ground each fall, and starts growth early in the spring. Tubers, each, 15 cents; two for 25 cents; dozen, \$1.25.

DUTCHMAN'S PIPE

Aristolochia Siphon. The **Aristolochia** is a floral curiosity. It is a rapid-growing hardy climber, attaining a height of thirty or more feet. It has large leaves, ten inches across, with curious pipe-shaped, yellowish-brown flowers an inch and a half long. Strong plants, each, 50 cents; dozen, \$5.00.

HONEYSUCKLE

The different varieties of Honeysuckle are esteemed among the most desirable hardy climbers. They grow with great freedom in any good garden soil. Hall's Japan Honeysuckle is remarkable for the persistency of its leaves, the foliage usually remaining green and apparently perfect long after severe freezing.

Heckrotti. New Sweet Scented Everblooming Honeysuckle. A magnificent variety, the finest yet produced. Remarkable for the large size and delicious fragrance of its flowers; color bright carmine red, with yellow and buff markings at the ends of the tubes. A healthy and vigorous grower and blooms continually the whole season. Each 30 cents; dozen \$3.00.

Hall's. An evergreen variety from Japan. Flowers pure white, changing to yellow. Very fragrant. Each, 25 cents; two for 40 cents; dozen, \$2.00.

IVY

English. The old popular variety. Hardy. Each, 20 cents; two for 30 cents; two-year old plants, each 40 cents; two for 60 cents.

TRUMPET VINE

Tecoma radicans. A fine, hardy, climbing plant, producing clusters of large, trumpet-shaped, orange-scarlet flowers about three inches long. The foliage is also very beautiful. This plant on the lawn makes a pretty bush if the tops are cut back. Each, 20 cents.

WISTARIA MAGNIFICA

The **Wistaria** is a strong, rapid grower, desirable for trellises, porches, etc. When well established it blooms profusely. The light purple flowers are very showy, and are produced in long racemes. A large plant in bloom is a beautiful sight. Perfectly hardy. Strong roots, 30 cents, dozen \$3.00.

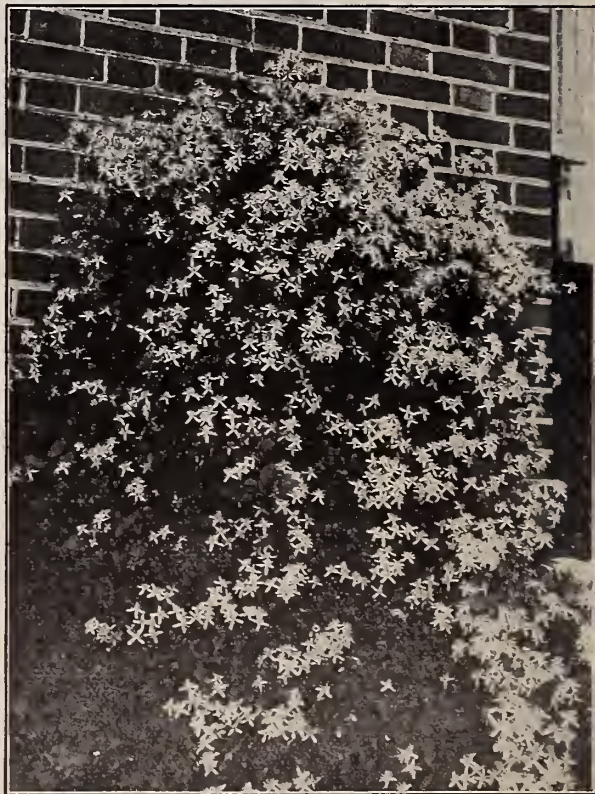
CLEMATIS

The **Clematis** is the favorite climber of the world. It makes a rapid growth, producing its showy flowers in great profusion. In the fall give the plants a good top-dressing of well-rotted manure. The following spring spade it in carefully, mixing well with the soil, and it will prove very beneficial. Hardy.
Jackmanni. Flowers large, intense violet-purple; produced in great profusion; blossoms from four to six inches in diameter. The most beautiful hardy climber in-cultivation. Each, 40 cents.

Madame Edouard Andre. A valuable new variety; distinct new color; fine bright crimson, with no purplish shade about it. Large flowers, borne so profusely that it is called **Crimson Jackmanni**. Each, 40 cents.

Paniculata. A remarkably beautiful climbing plant. Flowers pure white, star-shaped, about one inch in diameter, borne very freely in large clusters; will last several days as cut flowers, retaining their freshness and fragrance. The plant is a strong, quick grower. One of the most desirable and useful of climbing plants. Each, 25 cents; two for 40 cents; dozen, \$2.00.

The Set of three Clematis for 90 cents.



CLEMATIS PANICULATA



ROSES



THE flowers of the Hybrid Perpetual class are generally large, double, and very fragrant. Being perfectly hardy, these Roses may be planted out in the open ground and left all winter without any protection, and will for years continue to yield an immense crop of flowers in June, and many of them will bloom freely throughout the season. If you wish to have flowers constantly in bloom, you must feed them well to bring them to perfection; they must have a very rich soil to do their best. Do not let them suffer for want of water during the growing season; this is a matter of great importance.

All strong two-year field grown; each 35 cents; per dozen, \$3.75. Except where noted.



HYBRID PERPETUAL, FRAU KARL DRUSCHKI

Caroline Marniesse

A Grand Everblooming Hardy Rose

For Cemetery Planting where a succession of flowers are wanted, it has no equal.

There is not a week from late in May till the middle or latter part of October that large quantities of blossoms cannot be picked from these plants. Growth low and somewhat spreading, making it especially valuable for the borders of beds, also, very effective for massing in any position. The flowers are pure (or slightly creamy) white, medium size, very double, and sweetly tea-scented.

Strong two-year plants, 35 cents each; dozen, \$3.75.
Strong one-year plants, 25 cents each; dozen, \$2.50.

Moss Roses

The peculiarities of the Moss Roses are the delicate prickles which crowd their stems, and the beautiful mossy covering of their opening buds. They are strong, vigorous growers, and are perfectly hardy. 25 cents each; doz., \$2.50. Henri Martin. A magnificent Moss Rose. Extra large, and perfectly double. Color a deep rosy carmine, shaded a bright crimson.

Madame de la Rochlambert. Bright pink.
Princess Adelaide. Pale rose. Good in the bud and flower. Foliage dark.

Hybrid Perpetual Roses

American Beauty. One of the largest and most beautiful of the hardy Roses. Flowers very large and double, and delightfully fragrant. Rich rosy crimson color. Plant a strong grower and continuous bloomer. It will make a much stronger growth if not allowed to bloom the first summer. Pinch off the larger portion of the buds—better all of them. This will not be necessary the second season, as the plant will then be strong enough to make both growth and bloom. We offer two sizes of plants. Young plants, from 2½-inch pots, each 20 cts.; two for 35 cts. Extra strong plants, each, 50 cts; two for 80 cts.

Anne de Diesbach (Glory of Paris). Brilliant carmine; long pointed buds; large, finely-formed, compact flowers; very sweet; free bloomer. Valuable for forcing, and a superior garden sort.

Baron de Bonstetten. Splendid shade of dark red, changing to velvety maroon.

Clio. Flowers large, of fine globular form; flesh-color, shaded in center with rosy pink. Vigorous grower and handsome foliage. One of the finest Roses.

Frau Karl Druschki. A new hardy Rose and a grand variety. The flowers are large and full; buds long; color a pure white. The plant is a very vigorous grower and produces flowers throughout the season. Sometimes called the White American Beauty.

Francois Levet. Cherry-red; flowers of large size, well formed; very free bloomer and of vigorous growth. An excellent Rose.

Gen. Jacqueminot. Rich crimson-scarlet, very bright and velvety. It produces beautiful buds that are much admired, and in great demand.

Magna Charta. Beautiful bright pink, suffusep with carmine. A genera favorite.

Marchioness of Londonderry. A white, free-flowering Hybrid Perpetual. Flowers of great size, measuring five inches across, perfectly formed—carried on long stems; color very white; petals of great substance, shell shaped and reflexed. Highly perfumed. Growth vigorous and foliage very handsome. One of the finest.

Margaret Dickson. Distinctly a garden Rose, and the best white Hybrid Perpetual, combining the sterling qualities of entire hardiness, vigorous growth, and repeated blooming, with the fragrance, beauty of form, and waxy texture of the finest Tea Roses. The flower is of magnificent form and very large. In color it is the most beautiful waxy-white, shining with almost the luster of a pearl.

Marshal P. Wilder. Cherry carmine, flowers large, semi-globular, full, well formed, very fragrant. Continues to bloom long after other Hybrid Perpetuals are out of flower.

Mrs. John Laing. Delicate pink; large, fine form; very fragrant. Flowers continuously in the open ground.

Paul Neyron. Probably the largest Rose in cultivation, and one of the best bloomers. Color a bright shining pink, clear and beautiful. The plant is an exceptionally strong grower, often making shoots four to five feet in one season, each shoot bearing an immense flower. A rose we highly recommend.

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

Ulrich Brunner. Brilliant cherry-red; fine form and finish. Plant vigorous and hardy. One of the best.

Hardy Yellow Rose, Soleil d'Or

Soleil d'Or is a cross between Persian Yellow and Antoine Ducher. It retains a good deal of the character of Persian Yellow, the bark and wood being reddish, the thorns very fine, the foliage more ample, and the leaves, of a beautiful clear green, closer together. This magnificent variety is perfectly hardy, robust, and vigorous, making a growth of about three feet in height. The buds are conical-shaped, of a lovely hue, the flower when expanded being well incurved and about three and a half inches in diameter. Superb in color, varying from gold and orange-yellow to reddish gold, shaded with nasturtium-red

Persian Yellow

The flowers are nearly double and borne in immense clusters. The color is a deep golden yellow. The plants are a perfect mass of flowers in June.

Strong, two-year plants, each, 35 cents; dozen, \$3.75.

BEDDING ROSES

Everblooming Tea, Hybrid Tea and Dwarf Rambler Roses



GRUSS AN T EPLITZ

The Wonderful Set of Bedding Roses

The best bedders. Perfectly hardy and always in bloom.

Etoile de France. Velvety crimson, on stiff erect stems, cupped form. The best and sweetest hardy Hybrid Tea Rose of its color.

Gruss an Teplitz. Color a rich scarlet, shading to velvety crimson; very fragrant; a free, strong grower, and the most profuse bloomer known to us, being covered with flowers the whole season. The foliage is extremely beautiful, all the younger growth being of a bronzy plum-color.

Kaiserin Augusta Victoria. Pearly white, softly tinted with lemon in center; fragrant. A strong healthy grower, with bold, beautiful foliage. Particularly hardy, and one of the most beautiful Roses in cultivation.

Killarney. A grand new Hybrid Tea Rose, perfectly hardy and a perpetual bloomer. The color is a bright sparkling pink; flowers very large, and the buds long and pointed.

La France. Delicate silvery rose, changing to silvery pink, very large, full, of fine globular form. A most constant bloomer. One of the sweetest and most useful of all Roses.

Pink Maman Cochet. The Queen of all Pink Garden Roses. The buds are large, full and firm. The color is a rich pink, changing to silvery rose. The flowers are perfectly double, extra large and of splendid substance.

White Maman Cochet. Identical with its parent, Pink Maman Cochet, except in color, which is snowy white, with sometimes a faint tinge of pale blush. It has the same freedom of bloom, form of buds and flowers as Pink, Maman Cochet.

The above seven varieties, each 35 cents; dozen \$3.75; the set of seven \$2.75. These prices are for strong, two year field-grown plants, that will produce a full crop of flowers the first year.

Other Bedding Varieties

Bessie Brown. A strong vigorous-growing Hybrid Tea Rose, flowering in the greatest profusion the entire summer. The color is a creamy white, faintly flushed with pink. 20 cents each; dozen, \$2.00.

Mrs. Wm. H. Taft. This is one of the most profuse blooming, brightest colored, sweetest scented Tea Roses ever grown. The color is a rich pink. A good bedding variety. 25 cents each; dozen, \$2.50.

Monthly Everblooming Roses

Dozens of flowers can be cut from a bed of Monthly Roses every day, from June to November. To be successful with Monthly Everblooming Roses, you must have rich soil for them to grow in. Old, well-rotted manure is the best fertilizer; a bright, sunny location, and in hot, dry weather, a good thorough soaking with water each day, and you will have plenty of delightfully fragrant flowers.

Fine strong plants, 15 cents each; \$1.50 per dozen.

Small capitals are as follows to indicate classes; T, Tea; H. T. Hybrid Tea
C. China; B. Bourbon; N. Noisette.

Bon Silene. Rich crimson shade, beautifully tinged with salmon. T.

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

Crimson Hermosa (Queen's Scarlet). Flowers large; of a fiery scarlet. C.

Francisca Kruger. Flowers large, coppery yellow, shaded with peach. T.

Gruss an Teplitz. See preceding column. H. T.

La Princess Vera. Rich ivory-white, shaded with coppery yellow. T.

Marechal Neil. Yellow, tea-scented. T.

Marie Van Houtte. Creamy white, outlined with bright rose. T.

Papa Gontier. Brilliant carmine, changing to pale rose. T.

Perle des Jardins. Rich shade of yellow; very perfect in form. T.

Pink Hermosa. One of the best known of all Roses. Perfectly hardy. B.

Pink Maman Cochet. See preceding column. T.

Princess de Sagan. The richest crimson Rose in our collection. T.

White Maman Cochet. See preceding column. T.

"My Maryland" A new Hybrid Tea Rose. The flowers are large, full and double and very perfectly formed. The color is a most distinct and beautiful rose pink. Freely branching and free growing. 25 cents each dozen, \$2.50.



KAISERIN AUGUSTA VICTORIA



KILLARNEY ROSE

Dwarf Rambler Roses

Crimson Baby Rambler

A dwarf Rose that blooms from early June to December

This beautiful Rose produces clusters of flowers as large as the old Crimson Rambler. The color is a charming brilliant red, and it blooms with great profusion. As a pot Rose it has no equal, as it is a continuous bloomer.

Strong young pot plants, 15 cents each; dozen, \$1.50.

Field grown plants, 35 cents each; dozen, \$3.75.

Amy Muller, or Pink Baby Rambler

This dwarf variety is a fitting companion to the well-known crimson Baby Rambler. The plants branch freely and attain a height of about eighteen inches. The showy brilliant rose-colored flowers are produced in the greatest profusion from June until fall. Each individual flower measures about two inches in diameter. The petals are sometimes twisted which gives the flower a very unique appearance. Each, 25 cents; dozen \$2.50.

White Baby Rambler

This Rose is a little beauty, with pure white double flowers. A constant bloomer and as grand a bedder as the Crimson Baby Rambler.

20 cents each; dozen, \$2.00.

Baby Dorothy

A dwarf form of the Dorothy Perkins, which it resembles in foliage and color of flower. The flowers are produced in large clusters of clear pink.

20 cents each; dozen, \$2.00.

SUNBURST (New)

A magnificent, new, everblooming yellow rose, surpassing any heretofore offered. The flowers are of the largest size, with long, pointed buds. The color effect is extremely brilliant, showing intense shades of orange-copper, golden-orange and golden-yellow. The plants have extraordinary vigor, producing healthy foliage and long stemmed flowers. It does splendidly out of doors. Tea. Each, 25 cents; dozen, \$2.50.

CLIMBING ROSES

Dorothy Perkins

A hybrid of Rosa Wichuraiana and Mme. Gabriel Luizet. In its foliage growth, and habit of blooming, it is similar to Crimson Rambler, but the flowers are more double and of a beautiful shell-pink color, and hold a long time without fading. The flowers are very sweetly scented, a characteristic not possessed by most other Ramblers. Strong two-year field grown plants. Each, 35 cents; dozen, \$3.75.

Helene

A seedling from Crimson Rambler and a climbing rose of rare beauty. It is of very robust growth, throwing up canes ten to fifteen feet high in a single season. The color is a pure soft violet-rose, almost blush; base of petals yellowish. The buds are carmine, mossed, and are borne in clusters of from twenty-five to fifty. Perfectly hardy. Strong two-year field grown plants. Each, 35 cents; dozen, \$3.75.

Tausendschoen

The flowers are borne in large clusters from June to August. They are a beautiful soft rose-color, changing to rose-carmine. The plant is a strong grower, perfectly hardy and nearly thornless. The shining dark green foliage is never attacked by disease or insects. Each, 25 cents; doz., \$2.50.

Climbing Ramblers

The Ramblers are perfectly hardy and wonderfully strong growers. The flowers are well formed and, though small, are produced in so great profusion as to present an immense mass of bloom. Many of our customers report that single plants when in bloom showed thousands of flowers.

Crimson. White. Yellow. Pink.

Two-year plants, each, 35 cts.; doz., \$3.75; set of 4 for \$1.25.

Philadelphia Rambler

This Rose is a cross between the popular Crimson Rambler and the fiery crimson Hybrid Perpetual Victor Hugo, and is identical with the Crimson Rambler except that the color is a brighter crimson, and never fades. It is a valuable acquisition to the list of climbing Roses. Strong two-year plants. Each, 35 cents; doz., \$3.75.

Blue Rambler

A blue Rose at last. Violet Blue belongs to the Rambler or hardy climbing type of roses, and bears large clusters of semi-double flowers of medium size. A strong grower with glossy green foliage, and very few thorns. A novelty well worthy of trial. Strong young plants, 35 cents each, dozen, \$3.50.

Lady Gay

A vigorous grower and perfectly hardy. Superior to Crimson Rambler, which it resembles in habit and general effect. The flowers are of good size and delicately perfumed. In color they are a delicate cherry pink, fading to a soft white. The color effect is most charming. Strong young plants. Each, 25 cents; dozen, \$2.50.



CRIMSON RAMBLER



Tender Plants and Bulbs



ASPARAGUS PLUMOSUS NANUS

ASPARAGUS

Sprengeri. One of the most rapid-growing plants that we know, making great masses of fine feathery foliage in a very short time. The stems grow several feet in length, and are valuable for use in cut-flower work. Fine for hanging baskets or large pots. As a house plant it has no superior, as it withstands the indoor temperature well. Each, 20 cents; two for 30 cents.

Plumosus nanus, or Lace Fern. Beautiful on account of its light feathery growth, which very much resembles lace. The graceful dark green foliage surpasses the Maiden Hair Fern in delicacy of texture. Splendid as a pot plant and for decorative purposes. Each, 20 cents; two for 30 cents.

ABUTILON—Flowering Maple

Hard-wooded greenhouse shrubs, blooming almost the entire year; well adapted for house culture. Flowers bell-shaped and drooping. Each 15 cents; dozen, \$1.50.

Eclipse. A trailing variety, leaves beautifully marked deep green and yellow; the flowers are bright yellow, with crimson throat.

Golden Fleece. Yellow.

Savitzii. The leaves are green with a heavy white border, more than one-half of the leaf being pure white. The contrast between the green and white is most striking.

Snow Storm. Pure white.

Souvenir de Bonn. A strong, healthy grower, with large foliage of a deep green color, each leaf being handsomely bordered with a broad, white margin. The flowers are quite large, a beautiful shade of orange with showy crimson veins. A handsome plant that everybody admires.

ACUBA JAPONICA or Gold Dust Tree

Very useful for decorative purposes and as a pot plant for the house, as it stands the atmosphere of a dwelling house better than most plants. Leaves are dark green, spotted with golden yellow. Each, 20 cents; three for 50 cents.

AGERATUM

Each, 15 cents; dozen, \$1.50

Princess Pauline. A distinct and novel variety of dwarf growth, rarely exceeding five inches in height. The body of the flower is white and the stamens a light sky blue, giving the blooms a pleasing variegated appearance.

Stella Guernev. This is a decided improvement in color, being the deepest blue yet introduced; exceptionally free-flowering, not only in summer, but the year round.

CARNATIONS

The delicately rich and grateful odor, in connection with the beautiful colors and perfect outline of the Carnation, secures for it a prominent place in all collections of plants, either for the house or garden. It is one of the sweetest of flowers and yields an abundance of bloom all summer. The plants may be potted in September, watered and shaded a few days, and they will bloom all winter, in a bright sunny window. Our list embraces a large assortment of colors, and the best of the standard varieties.

Each, 15 cents; three for 35 cents; seven for 75 cents.

The set of fourteen for \$1.35.

Alma Ward. One of the largest Carnations grown. Color pure white.

Beacon. Beautiful shade of scarlet. Flowers very large. Stems long.

Boston Market. Pure white. A marvel for early and continuous blooming.

Enchantress. Delicate shade of shell-pink, deepening towards the center; very large flower.

Harlowarden. Large flower of bright crimson, with scarlet shadings.

Lady Bountiful. Pure glistening white.

Mrs. Thomas W. Lawson. Immense size—from three to four inches in diameter—long, strong stems. Bright cerise-pink, lighting up beautifully under artificial light.

Red Jacket. A strong, robust grower; color brilliant scarlet.

Rose Pink Enchantress. Color rose pink; large flower.

The Queen. Pure white; flowers very large.

Variegated Lawson. White striped with cerise pink.

White Enchantress. Pure white.

White Perfection. Very large pure white flower.

Winsor. Silvery pink. One of the best carnations.



CARNATION, PINK ENCHANTRESS



For a brilliant show all summer there is no plant excelling the Cannas; it even surpasses the Geranium in its gorgeous display of brilliant colors, blooming continuously from the time of planting until cut down by frost. For window boxes, or grown as specimens for the porch, they are unsurpassed.

The Best of the Standard Varieties

Each, 15 cents; dozen \$1.50.

- Alphonse Bouvier.** Open brilliant crimson, but change to a beautiful deep crimson as they more fully expand. Six feet high.
- Alsace.** Pale sulphur changing to creamy white. A valuable variety. Four and one half feet high.
- Beaute Poitevine.** Bright crimson, with erect flower-spikes. Three and one-half feet high.
- Brandywine.** Brilliant red; foliage bronze. Four feet high.
- Charles Henderson.** Brilliant crimson flowers. Four feet high.
- Cinnabar.** Cinnabar red, distinctly marked with golden yellow. Four and one-half feet high.
- David Harum.** Bright deep satiny vermilion. Foliage bronze. Three and one half feet high.
- Egandale.** Soft currant-red flowers. Foliage bronze. Four feet high.
- Evolution.** The flowers are golden yellow, which shades in through various tints of canary, lemon, and sulphur to a center of bluish pink. Foliage bronze.
- Fairfield.** Rich dark crimson flowers; foliage green.
- Florence Vaughan.** Flowers of the most brilliant golden-yellow, dotted with brightest scarlet. Four and one-half feet high.
- Jean Tissot.** Brilliant vermilion, with bright orange markings. Foliage green. Five feet high.
- J. D. Cabos.** Height four feet. Color of flower light orange. Foliage bronze.
- Mlle. Berat.** The nearest approach to a pink in a first-class bedder. Four feet high.
- Madame Crozy.** Flowers crimson-scarlet and gold-bordered. Three and one-half feet high.
- Pennsylvania.** The flowers are pure deep scarlet, of immense size. Six feet high.
- President Meyer.** The flowers are a rich cherry-carmine; foliage bronze. Four feet high.
- President Faivre.** Flowers amaranth-red; foliage bronze. A strong, erect grower, especially adapted to massing and as center of beds. Six feet high.

Queen Charlotte. The center of the petal is a brilliant crimson-scarlet, shaded with crimson and bordered with a wide belt of gold. Three feet high.

Robusta. A very fine, tall-growing, dark-leaved variety; eight to ten feet.

Rubin. Ruby carmine. Foliage bronze.

Secretaire Chabanne. A distinct and pleasing shade of almond. Three feet high.

Semaphore. Novel color. The flowers are of a pure orange. Foliage bronze.

Souvenir d Antoine Crozy. Crimson scarlet, broad yellow border. Four feet high.

Orchid-Flowered Cannas

Each, 15 cents; set of five for 60 cents

Alemannia. These gigantic flowers are the largest grown on Cannas. They are a fine yellow, beautifully mottled with orange-scarlet. Four and one-half feet high.

Burbank. Flowers very large, equal to Italia; rich canary-yellow, spreading seven inches; will continue to bloom a week after cutting. A strong grower with wide, rich green leaves; four and one-half feet high.

Italia. Immense flower. Center brilliant red, petals widely bordered with clear yellow. Six feet high.

King Humbert. The grandest Cannas in our list. The foliage is of the very finest shade of bronze, massive and heavy, with distinct dark midrib. Its flowers measure six inches in diameter and are produced in great trusses. The color is a brilliant orange scarlet, with bright red

markings. Height about four feet.

Parthenope. Flowers are extra large and of good substance. Color dark orange, shaded with yellow; showy and distinct; four feet.

Canna Beds

Many of our customers write us in regard to the number of Cannas that is required to fill a bed of certain dimensions. In answer to this question we offer the following suggestions: *Plant Cannas about 18 inches apart each way; the tall varieties for the center of bed, and the dwarf grower for the border.* For a round bed, 7 feet in diameter, it will take 19 plants.

For a 7-foot bed we will send postpaid 19 plants in three different varieties for \$2.25.

ANTHERICUM

Anthericum vittatum variegatum. An elegant house plant, with dark green leaves, bordered with broad stripes of pure white. It throws up long spikes of small, star-shaped flowers. Fine for hanging baskets. Each 20 cents; dozen \$2.00.

Picturatum. Similar to the above variety except that the colors of the leaves are reversed, the center of the leaf being white, and bordered with green. Each 20 cents; dozen, \$2.00.

CAREX JAPONICA VARIEGATA

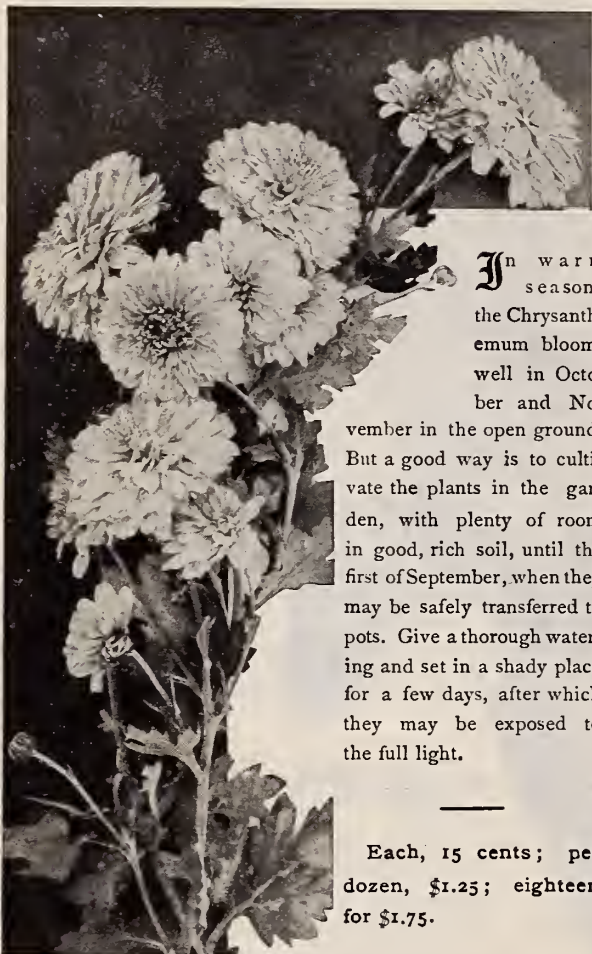
A Japanese grass, very useful and ornamental for the house. Seems to enjoy the atmosphere of living rooms. Each, 15 cents; two for 25 cents.

CALCEOLARIA

Creole Queen. Flowers brown maroon. Very fine for pot plant and bedding. Easy to grow. Each, 15 cents; three for 30 cents.

Vick's Tree Catalogue

tells you more about the best Fruit Trees than any other booklet of its size. We don't believe in a list "a mile long," so we have selected what we consider the best varieties of Apples, Pears, Peaches, Plums, Cherries—the one especially adapted to the home grounds. The man who intends planting an orchard will find a lot of information in it, too. Ask for the Catalogue to-day—a postal card, with your name and address, will bring it to you.



POMPON CHRYSANTHEMUM

Hardy Pompon Chrysanthemums

These are the very best of all Chrysanthemums for planting out of doors, and also very desirable for growing as pot plants, being dwarf, compact growers, and free bloomers. The single Chrysanthemums are very fine for cutting in sprays or for pot plants. They are perfectly hardy, blooming before severe frosts will hurt the flowers.

Each, 15 cents; dozen, \$1.25; eighteen for \$1.75.

Double Pompons

Alma. Beautiful pink.
Anna Mary. Creamy white, tipped pink.
Astarte. Bright golden amber.
Baby. Golden yellow.
Baby Margaret. Pure white; a beauty.
Bohemia. Pure yellow.
Crimson Ball. A beautiful deep crimson.
Drin Drin. Smallest; pure yellow.
Druid Hill. A light mahogany-crimson.
Edna. White, with pink shadings and yellow center; good size and nice form.
Elva. Pure white, early

Emo. Small flower of bright yellow.
Fred J. Canary yellow.
Gold Standard. Golden yellow.
Iva. Pure amber.
Itza. Bronze.
Iynsford Gem. Purple tipped gold.
James Boon. Pure white.
Julia Lagravere. Crimson-maroon.
Lula. Pure snowy white.
Orea. Light pink.
Panama. Bronze.
Skibo. Golden chamois.
St. Illoria. Silvery pink.
Walter Bly. White, tinted rose.
Zenobia. Bright clear yellow.

CHRYSANTHEMUMS

Single Pompons

Each, 15 cents; dozen, \$1.25.

| | |
|--|---|
| Grace Darling. White edged with pink. | M. J. Osborne. White, shaded pink. |
| Katie Covell. Maroon. | Piccola. Light pink. |
| Ladysmith. Pink, early. | Rosy Morn. Silvery pink. |
| | Winnie Sherring. Golden yellow. |

Large-Flowering Chrysanthemums

Alice Bryon. A magnificent snow-white variety.
Cheltoni. Golden yellow.
Comoleta. Bright yellow. Fine for pot culture.
Cullingfordii. Rich crimson scarlet.
Dr. Enguehard. Bright rose pink.
Gold Bird. Beautiful clear yellow.
Golden Glow. The earliest of all. Fine golden yellow with velvety finish.
Helen Frick. A lovely shade of pink.
Ivory. Dwarf. Free flowering, snow white, incurved, very large, perfect form.
Leon Truelle. Large flower of purest white.
Major Bonnaffon. Soft yellow, incurved type; flowers large and full.
Maud Dean. Extra large flowers, petals broad, incurved; color light rose.
Mrs. William Duckham. Beautiful golden yellow.
Mrs. Jerome Jones. Waxy white; good stem and perfect foliage.
Mrs. W. B. Chamberlain. The color is a lovely shade of pink, very distinct.
Naceur-Bey. Yellow, with distinct stripes of red in each petal.
Nagoya. Very large Japanese; color, golden yellow.
Nellie Pocket. Creamy white.
Pacific Supreme. A beautiful shade of pink. Very early.
Pink Ivory. Beautiful shell-pink. A sport from White Ivory.
Pink Jones. The color is beautiful; each petal is white overlaid with purplish crimson, giving the whole flower the appearance of being pink in color.
President Taft. New. Purest white, closely incurved, forming a huge glistening ball.
Red Duckham. Very large flower. Color purplish crimson.
Virginia Poehlman. A magnificent flower, pure white.
White Coombes. Pure white of largest size



CHRYSANTHEMUM, MAJOR BONNAFFON



LITTLE BEAUTY
FUCHSIA

No class of plants is more graceful and elegant than the Fuchsias. The striking contrast of their colors,—white, carmine, rose, and purple,—renders them perfectly charming. Each 15 cents; dozen, \$1.50.

- Avalanche.** Corolla violet; sepals crimson.
Bouquet. Flowers of beautiful form; sepals a clear coral color; corolla blue.
Jeanne Summary. Tube and sepals bright crimson scarlet, corolla white.
Jupiter. Tube and sepals scarlet; corolla rich royal purple. Extra large size.
Little Beauty. Tube and sepals bright red; corolla rich purple.
Mary. The drooping flowers, over two inches long, are a brilliant crimson-scarlet, and stand out prominently against the dark green foliage.
Rosains Patrie. Tube and sepals carmine. Corolla white.
Storm King. Dwarf grower. Tube and sepals red. Corolla white.
Victor Hugo. Flowers large, very double; sepals bright crimson; the center or corolla violet-purple, marbled with red. A unique and beautiful flower.

COLEUS

Each, 15 cents; any three for 35 cents;
one each of set of eight for 75 cents.

- Crimson Velvet.** Leaves rich crimson.
Duneira. Soft seal-brown, bordered pink. An exceptionally showy variety.
Firebrand. Maroon, flamed and shaded with brilliant fiery red.
John Good. Yellow and green, fine bedder.
Snowcloud. Yellow and green. Changing to white in the summer months.
Sensation. Velvety black maroon, with lance-shaped center of pure magenta. Very brilliant.
Verschaffelti. Rich, velvety crimson. The best of all for bedding.

DRACAENA

Dracaena indivisa. Used extensively as a center plant for vases, baskets, etc. The numerous grass-like leaves are very long and rigid, contrasting nicely with other plants. Easily grown. Each, 15 cents; dozen, \$1.50.

FLOWERING BEGONIAS

This class of beautiful plants is deservedly popular. The beauty of foliage, combined with graceful flowers and free-blooming qualities, makes the plants highly desirable. As pot plants for winter decoration they have few equals. Each, 15 cents; dozen, \$1.50.

- Alba picta.** Leaves narrow, green, and nicely spotted with white; flowers white, in clusters.
Argentea Guttata. Leaf bronze with silver markings. Flowers white.
Foliosa. A miniature foliage variety. Flower pink, erect grower.
McBethii. Flowers pure white; foliage finely cut.
Sandersoni. A bushy growing variety, with glossy, deep green leaves; flowers in clusters of drooping scarlet; heart-shaped buds.
Zebrina. Foliage dark green with whitish veins, flowers light pink.

BEGONIA SEMPERFLORENS (Wax Begonias)

This class may truly be called perpetual flowering Begonias as they bloom continuously. They are always in bloom, and are very fine either for house plants or bedding. Three colors, pink, white and scarlet. Each, 15 cents; three for 35 cents; dozen, \$1.25.

THE REX BEGONIAS

The Rex varieties of Begonia are very effective as pot plants. Care should be taken to keep the foliage free from dust. Occasionally the plants may be showered, but should not be exposed to the sun until the leaves are perfectly dry. Each, 20 cents; any three 50 cents; dozen, \$2.00.

- Countess Louise Erdody.** The wonderful Cork-screw Begonia.
Grandis. Bronze.
President Carnot. Silvery white.
Surprise. Leaf deep bronze and silvery rose.
The Mystery. Foliage red and green, with silvery outer edge. Center of corkscrew shape.
Van-der Hyde. Mottled green and white.

FEVERFEW

Little Gem. Very dwarf; attains a height of from 8 to 10 inches; flowers of fine form, and pure white. Each, 15 cents; dozen, \$1.50.

HELIOTROPE

Prized for its fragrance. It is a favorite with everyone. Heliotropes require a sunny location, as they do not do well when grown in the shade. Very desirable for house culture, a single plant filling a whole room with perfume.

- Lady Cook.** Dark violet. **Madame de Blonay.** Pure white.
Each, 15 cents; three for 35 cents; dozen, \$1.25.

HYACINTHUS CANDICANS (See Page 79)

HYDRANGEA

Hardy south of Philadelphia, but 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. Put in the cellar in the fall. For decorative plants on a piazza or porch they produce a fine effect.

Each 15 cents; the set of three for 35 cents.

Jeanne d'Arc. This is a sport from the old favorite Thomas Hogg, having dark reddish brown stems like Red-Branched. Foliage and flowers much larger and more vigorous than either. Flowers pure white, very effective against the dark green foliage.

Red-Branched (Ramulis-coccinea). The smallest plants bear immense trusses of bloom. The branches are of a dark red color, brightening to a clear crimson near the flower heads, which are a beautiful shade of deep rose.

Otaksa. A Japanese variety, with large clusters of pale pink flowers.

LANTANAS

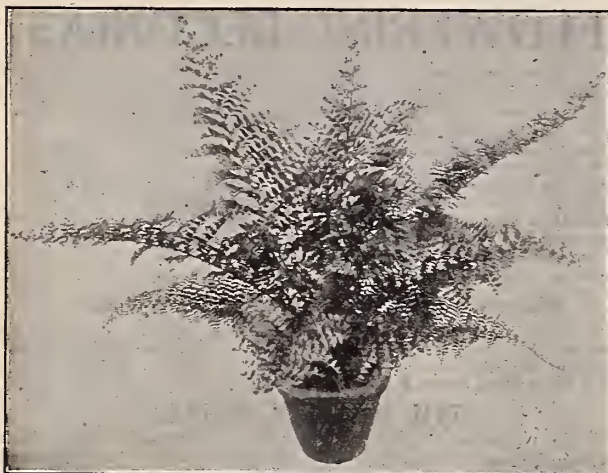
Are in bloom constantly, and are very fine for bedding, baskets, or box plants.

Each, 15 cents; two for 25 cents; dozen, \$1.25.

- Amiel.** Bright shade of orange-red, with golden center.
Jacques Minot. Yellow, changing to orange red.
Marcella. Lilac rose, changing to yellow.
New Weeping. Rose pink, habit drooping.
Snow Queen. Large white flowers.
Snowball. White, yellow center.

OTAHEITE ORANGE

The great beauty, novelty, and popularity of this plant are indeed wonderful. 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 anyone can raise an abundance of delicate and fragrant orange blossoms. It is a dwarf orange, which grows, blooms, and fruits freely in pots. Fruit about one-half the size of ordinary oranges. Strong plants, each, 20 cents; extra strong plants, each, 35 cents.



NEPHROLEPIS WHITMANI

Ferns for Decoration

Ferns cannot be dispensed with in elaborate decorations for the parlor. In planting a fernery do not crowd them, but give them room for the development of the fronds; their growth is rapid, and many varieties soon double their original size. Five of the best and hardiest varieties are sufficient to fill a fern dish eight inches in diameter. Each, 15 cents; the set of six for 75 cents. *Adiantum cuneatum*. The popular Maiden-Hair Fern.

Aspidium Tsussimense. A pretty species with dark green foliage.
Cyrtomium Falcatum. The "Holly Fern." Large, dark green glossy leaves.

Pteris Critica albo-lineata. A pretty and useful variegated variety; leaves green and white.

Pteris Ensisiformis. Leaves green and nicely formed.

Pteris Wimsettii. Fine for fern pans and house culture; finely crested.

The New Dwarf Boston Fern, *Nephrolepis Scotti*
A very dwarf and compact form of the Boston Fern. The fronds are short and narrow, of a graceful recurving form. Plants of small size make nice specimens in a short time. For house culture we recommend it as a plant that will please all, and one of the best that we offer this season. Strong young plants each, 20 cents; dozen, \$2.00.

***Nephrolepis Scholzei*—The New Plumed Scotti Fern**
In this fern, a sport from Scotti, we have all the desirable features of the parent, with plummy fronds similar to the Ostrich Plume Fern. Its leaves are held erect with a graceful arch, forming a plummy globe, which is as pretty in a small plant as it is in a specimen plant of the largest size. Nice young plants, each 25 cents; five for \$1.00.

Nephrolepis Whitmani. The plummy appearance of the foliage makes this variety unquestionably the most striking among all the *Nephrolepis*. The plant is quite dwarf in growth, and the leaves very wide; a grand fern. Each 20 cents; per dozen, \$2.00.

Boston Drooping Fern. One of the most satisfactory of decorative plants for house culture. The handsome green fronds attain a length of four to five feet, and droop so gracefully over on every side that it is often called the Fountain Plant. It always has a fresh, healthy appearance, and is very attractive. Fine plants, each, 20 cents; dozen, \$2.00.

Will send one plant each of the above four ferns for 75 cents.

Large-Fruited Lemon, Ponderosa

A true ever-bearing variety. On a plant six feet high no less than eighty-nine of these poudrous lemons were growing at one time. The tree was blooming, and at the same time had fruit in all stages of development, from the size of a pea up to the ripe fruit. Fruit weighing over four pounds had been taken from this tree. The lemons had very thin rind for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It fruits when quite small, and makes a lovely house plant. Thrifty young plants each, 25 cents; two for 40 cents.

Fragrant Olive. *Olea Fragrans*. A rare and very choice house plant, somewhat resembling the orange in habit of growth. The leaves are a thick glossy green. Flowers are small and pure white. Highly valued for its fragrance, which will fill the whole house with a delicious perfume for months at a time. Will thrive best in a moderately cool room. Each, 25 cents.

Lemon Verbena. A well known plant noted for the delightful fragrance of its foliage. No garden is complete without it. Each, 15 cents; dozen, \$1.50.

GERANIUMS

Plants, each, 15 cents; three for 40 cents; six for 80 cents; twelve for \$1.50.

SINGLE.

A. Carre. Crimson Scarlet.

General Grant. Scarlet. This old sort still retains popularity as a hedder.

Jules Lematric. Light pink.

Jumbo. Very fine scarlet.

Marguerite de Layre. A fine, strong, free grower; pure white flowers.

Mrs. E. G. Hill. Bright salmon with light shading at center.

DOUBLE.

Alphonse Ricard. Bright orange-red. Trusses very large.

Beaute Poitevine. The color is a bright salmon-pink.

Countess de Harcourt. Pure snow-white.

Heteranthe. Bright scarlet.

Jean Viaud. Flowers semi-double, brilliant rose, beautiful white spots.

La Pilot. Very dark scarlet.

M. Anatole Roseleur. Deep rose pink.

Madame la Comtesse de Baume. A charming bright pink.

Madame Jaulin. Center of flower delicate pink, bordered with pure white

Madame Recamier. Snow white.

Madame Landrey. Clear salmon, center shading to copper, with white eye.

Madame Buchner. Double; snow-white. A strong grower.

S. A. Nutt. Double. Brilliant deep blood-red, with maroon shadings.

Rather tall; vigorous grower. Truss large. One of the finest bloomers.

Toronto. Bright salmon. Flowers and truss of large size. A grand hedder

TRICOLOR.

LEAVES VARIEGATED. Prized for the beauty of the foliage.

Mrs. Pollock. Flowers scarlet.

DOUBLE IVY-LEAF.

This class has thick, glossy, Ivy-shaped leaves. The plants are drooping in habit, and excellent for baskets, vases, and house plants.

Jeanne d'Arc. White, suffused with lavender. Double.

Leopard. The color is clear lilac-pink, the upper petals being heavily blotched with deep crimson, and marked with maroon dots.

SWEET-SCENTED.

Dr. Livingstone. Leaves finely divided; very fragrant.

Rose. This is the most desirable of the scented varieties.

BRONZE

The leaves of the Bronze Geraniums show the most beautiful shades of yellow or brownish red, the foliage being as handsome as the flowers.

Black Douglas. Flowers salmon. Foliage golden yellow; red zone.

Exquisite. Leaf light yellow ground, chocolate zone. Flowers salmon.



BEAUTE POITEVINE

Tender Climbing Plants

IPOMEA—Moonflower

Ipomœa Bona Nox. Offered under various names, such as Good Night, Evening Glory, and the like. It is a beautiful, vigorous climber, producing large, pure white, sweet-scented flowers at night and on dull, cloudy days. To keep over winter, the plant must be cut back, the roots potted, and kept in a growing condition. Tender climber. Each, 20 cents; dozen, \$2.00.

Ipomœa Leari (Blue Moonflower). A splendid companion to plant with Ipomœa Bona Nox. Flowers six inches across, of intense violet-blue, with reddish purple rays. Tender climber. Each, 20 cents; dozen, \$2.00.

One plant each of Ipomœa Bona Nox and Leari for 30 cents.

NASTURTIUM—Double

Golden Wonder. One of the finest plants grown for covering rockeries or trellises. The color is a bright golden yellow, with a dash of scarlet in the center of each petal. Flowers perfectly double, and borne in great numbers throughout the whole year. Tender. Each, 20 cents.

Sunbeam. A strong, vigorous, climbing vine, resembling the common Nasturtium in habit and foliage. The flowers are one or two inches in diameter, perfectly double like Roses, and borne in great profusion all through the season. The color is a beautiful shade of bright orange-red. Tender. Each, 20 cents.

One plant of each of the two varieties for 30 cents.

PASSIFLORA—Passion Vine

A class of rapid growing climbing plants well adapted for house culture in winter or for training over porches, etc., during summer. The flowers are about four inches in diameter, with petals pear-shaped and very symmetrically arranged.

Constance Elliot. The flowers are pure white. Each 15 cts., two for 25 cts.

GERMAN IVY

A fine, thick-growing trailing plant that is unsurpassed for use in hanging baskets and urns, where delicate green foliage is needed. Each, 10 cents; three for 25 cents.

JASMINE

Jasminum grandiflorum. A favorite greenhouse climber or house-plant everywhere; one of the sweetest of flowers. Foliage fine; flowers white, star-shaped and very fragrant, blooming from November till May. Easy of culture. Tender climber. Each, 20 cents.

MANETTIA VINE

Manettia bicolor. A beautiful twining plant, flowers from one to two inches in length, of the most intense fiery scarlet, with bright yellow tip. As a pot plant to train on a trellis it is unrivaled. In the open ground it succeeds admirably. Tender. Each, 20 cents; two for 30 cts.

PILOGYNE SUAVIS

A splendid climber for screens and verandas; also fine for hanging baskets. Each, 15 cents; two for 25 cents; dozen \$1.25.

SMILAX

A popular and well-known climber. Foliage of a dark glossy green, used largely with cut flowers, wreaths, etc. Excellent for parlor or window culture. Tender. Each, 15 cents; dozen \$1.50.

OLEANDER

Splendens variegata. Large, double, pink flowers, produced early in the season; glossy green leaves with a broad margin of creamy white. Each, 25 cents.

Double Pink. The old variety. Each, 25 cents.

OTHONNA CRASSIFOLIA

A neat drooping plant for hanging baskets. Yellow flowers. Each 10 cents; three for 25 cents.

OXALIS

Ortgiesi or Golden Star. A very satisfactory plant for pot culture, and has attractive foliage. Always in bloom and does not require any special care or treatment to be grown to its greatest perfection. The plant grows from twelve to fifteen inches in height, branching freely, like a small tree in form, with dark olive foliage, underside of which is a beautiful crimson; flowers in clusters, star-shaped, of a bright golden yellow. Each, 15 cents.

PETUNIA

Single, Vick's Ruffled. These plants are from seed of our own growing, and we recommend them as being very fine. The flowers are richly colored, very large and beautifully fringed. Each, 15 cents; two for 25 cents; dozen, \$1.25.

Single Fringed. Flowers nicely fringed. Each, 10 cents; three for 25 cents; dozen, \$1.00.

PALMS

First size, eighteen to twenty inches high; second size, eight to twelve inches high; third size, strong young plants from three-inch pots.

Sent by Mail or Express, charges prepaid, at prices quoted.

Kentia Belmoreana. Graceful arching leaves, with long, terete, shining, yellowish-brown petioles; divisions of the leaves, twenty to thirty in number, strap-shaped, deep green in color. This palm will stand a great deal of ill-usage and maintain a good appearance. First size, \$1.25; second size, 85 cents; third size, 35 cents.

Kentia Forsteriana. The beautiful "Thatch Palm," similar to the last, but the petioles are a brighter green and the leaf divisions narrower, more delicate and graceful. A handsome Palm for table decoration. First size, \$1.25; second size, 85 cents; third size, 35 cents.



BABY PRIMROSE

PRIMROSE

Baby Primrose or Primula Forbesi. Needs but little care. It forms a dense rosette of fleshy leaves, from which spring the flower stems about 12 inches tall; delicate rosy-lilac flowers produced in great abundance. Each, 20 cents; two for 30 cents.

Primula obconica grandiflora. Perpetual blooming, bearing large trusses of flowers on long stems, well above the foliage; color a pale lilac and pink. Each, 20 cents; dozen, \$2.00.

Mexican Primrose. A charming plant, which in freedom of bloom excels all others. Flowers almost three inches in diameter, cup-shaped; color bright pink, with scarlet veins and large, showy white center. A plant of easy culture. Each, 15 cents; two for 25 cents.

RUBBER PLANT

Ficus elastica. This is certainly one of the best plants grown for table or house decoration. It succeeds well with ordinary treatment. The glossy green leaves resist the dirt and gas to which plants in dwelling houses are exposed. Strong plants, each, 50 cents; larger plants, 75 cents and \$1.00 each.

SALVIA

Each, 15 cents; per dozen, \$1.50.

Clara Bedman or Bonfire. A dwarf early blooming variety. The plants are almost hidden by the mass of brilliant scarlet flowers.

Splendens. The well-known Scarlet Sage. A splendid flowering plant with plumes of dazzling scarlet flowers.

UMBRELLA PALM

Cyperus alternifolius. A beautiful, easily-grown 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. Each, 15 cents; three for 30 cents.



Tuberous Begonias

No plant equals these Begonias for growing in partly shaded places. The flowers are produced continuously from June to the middle of October, thus making a bed of beauty in places usually barren of bloom.

The flowers are brilliant and large, handsomely formed, and of wonderful size often measuring from four to six inches in diameter. The plants bloom freely all summer; and are fine either as pot or bedding plants, being easily raised and requiring but little attention. After the blooming season is over the tubers are dried and either left in the pots or placed in dry sand and kept until the spring, to be started again in February or March.

Single Five colors, affording a charming selection for contrasting colors in bedding. **White, Crimson, Scarlet, Rose, Yellow**; each, 10 cents; **three for 25 cents; dozen, 75 cents.** The set of five for 40 cents.

Double The same colors as found in the single Begonias, but the blooms are as large and double as **Roses, White, Crimson, Scarlet, Rose, Yellow**; each 20 cents; **two for 30 cents; five for 60 cents; dozen, \$1.25.**

Bearded Begonia (*B. grandiflora erecta cristata*). This curious strain of Begonia has single flowers, of good size, bearing on each petal a dense crest or beard composed of curiously twisted threads, which gives the flower a gay and puzzling aspect. Highly interesting. **Mixed Colors**; each, 20 cents; **two for 30 cents.**

AMARYLLIS

The Amaryllis produces showy flowers that are handsome and very attractive, resembling Lilies. 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.

Fragrans. Flowers three to four inches long; yellow; fragrant; stalks 15 to 18 inches high. Each, 15 cents.

Regine (Equestre). One of the best of the Amaryllis family for winter-blooming. Flowers large, bell-shaped; color light scarlet, throat or center white. Each, 10 cents.

Johnsoni. An elegant pot plant, with crimson flowers five inches in diameter, each petal striped with white. Flower-stalks two feet high, with clusters of three to five blooms. Each, 50 cents.

Formosissima (Jacobean Lily). Eight to ten inches high. Flowers dark crimson. The bulbs are dormant during the winter. Each, 15 cents.

SILK OAK

Grevillea robusta. A beautiful plant for decorative purposes; of quick growth and 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 is unsurpassed. Each, 20 cts.; two for 35 cts.

CALADIUM

Fancy-Foliaged. The fancy-foliaged varieties are very satisfactory for summer decoration. Leaves striped, blotched, and spotted with white, crimson, and pink; in fact, the variety of color is something wonderful. In the fall they die down, and the bulbs should be kept in the pots in a warm place. Each, 25 cents; dozen, \$2.50.

Esulentum—Elephant's Ear. One of the stateliest of the ornamental-leaved plants, producing a splendid subtropical effect. Leaves frequently grow three feet in length and nearly as broad. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in the cellar. Medium-sized bulbs, each, 20 cents; dozen, \$2.00. Large-sized bulbs, each, 30 cents; dozen, \$3.00. Mammoth-sized bulbs, each, 40 cents; dozen, \$4.00.

CALLA

Little Gem. A dwarf variety of the old Calla, ten to twelve inches high; free bloomer. Each, 15 cents; two for 25 cents.

Alba maculata, or Spotted Calla. Beautiful for pot culture. The foliage is marked in the same manner as that of the Yellow Calla. The bulbs must be kept in dry sand in the winter. Each, 10 cents; dozen, \$1.00.

GLOXINIA

Gloxinias are among the handsomest of our summer-blooming greenhouse plants. The flowers are gorgeous, and the foliage has a velvety appearance. Bulbs should be started in spring in a warm place. They require partial shade and a liberal supply of water when growing. After blooming, water should be withheld and the bulbs remain dry through the winter.

Red, White, Blue, and Spotted. Each, 20 cents; two for 35 cents; four for 60 cents. Dozen, \$1.50.

HYACINTHUS

Candicans. Summer Hyacinth. Beautiful and stately summer blooming bulb. For illustrated description, see page 79.

MADEIRA VINE

A charming climber for porches. The thick, dark green foliage forms a fine screen, and the white flowers are very fragrant. Tender. Price, strong bulbs, 5 cents each; 50 cents per dozen.

MONTBRETIA

One of the most showy summer-flowering bulbs. Flowers star-shaped, produced in great numbers on long, graceful spikes. Three for 10 cents; dozen, 30 cents; hundred, \$1.75; postpaid.

OXALIS

Free-blooming bulbs, fine for pots, vases, or for edging walks and beds. Plant three inches apart. Dozen, 15 cents; hundred, 75 cents; by mail prepaid **Lasiandra.** Rosy crimson. **Tetraphylla, (Dappei).** Rosy lilac.

TIGRIDIA

Tigridias are beautiful flowers, delicate as orchids, and showing wonderful blendings of colors. Plant bulbs in May and give the same care as to **Gladiolus** for winter.

Conchiflora. Yellow and orange, with dark spots. Each, 6 cents; dozen 60 cents.

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. Each, 6 cents; dozen, 60 cents.

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 blossoms. Our Tuberoses are all extra sized, splendid bulbs.

Dwarf Tuberose Pearl. Each, 5 cts.; six for 20 cts.; dozen, 35 cts.; \$2.50 per hundred.

VINCA

Major variegata. A beautiful trailing plant, admirably adapted for hanging baskets and vases. The leaves are glossy-green, broadly margined a creamy white; flowers blue. Each, 10 cents; large plants, with vines two or three feet, 25 cents.

TWO USEFUL HERBS

English Lavender. Each, 15 cents; two for 25 cents.

Mammoth Broad-Leaved Sage. Each, 15 cents; two for 25 cents.



DAHLIAS



NO flowers are easier to grow, or respond more readily to care and attention, than Dahlias; but three things are of prime importance; a moderately rich soil, sunshine and water. Plant about May 1st, covering the tubers three inches deep. If many shoots start up, thin them out to one or two. When the plant is six inches high, cut it off above the second joint. This will cause it to throw out four branches, making a strong, bushy plant, which will withstand winds and produce flowers freely. Cultivate well until they begin blooming; after that stir only the surface soil, and then just enough to prevent a crust forming.

Cactus Dahlias

The Cactus Dahlias have large, loosely formed flowers. The long, narrow petals are variously rolled or twisted. The flowers, many of which are nodding on slender stems, are the most graceful and artistic of all the Dahlias.

20 cents each; \$2.00 a dozen; except where noted,
Mail or express prepaid.

Alpha. White, spotted and striped purple.

Clara J. Stredwick. Salmon-flesh, shaded darker Very large, with long narrow pointed petals. One of the best.

Countess of Lonsdale. Rich salmon tinted apricot. One of the easiest of all the Cactus Dahlias to grow, and last season produced more blooms than any other Cactus Dahlia on our farm.

Dainty. Primrose, shaded and tipped, soft pink. A delicately beautiful flower

Earl of Pembroke. Dark rich shade of reddish purple.

Flora. Large, pure white.

Frute. Rose pink, cream center.

Kriemhilde. Exquisite combination of vory white and pink. "Queen of the Cactus Dahlias."

Keynes White. Fine white of perfect shape.

Matchless. Dark, velvety maroon. 15 cents each; \$1.50 a dozen.

Mrs. H. J. Jones. Crimson-scarlet striped with cream. Varies from solid crimson to cream color on the same plant.

Mrs. J. J. Crowe. Clear yellow; fine habit and form.

Princess. A rich blending of rose and soft pink. Flowers of colossal size and very free.

Standard Bearer. Brilliant scarlet. Medium size. Very free flowering.

Volker. Pure yellow.

Decorative Dahlias

Decorative Dahlias are intermediate between Cactus and Show. The massive flowers are not so globular as the Show and the petals are broad and somewhat flattened.

20 cents each; \$2.00 a dozen; except where noted,
Mail or express prepaid.

Black Prince. Dark velvety maroon. Large flowers. 15 cents each; \$1.50 a dozen.

Blue Oban. Lavender blue. Free blooming.

Catherine Duer. Fine red, a favorite for cutting.

Clifford W. Bruton. Canary yellow Large, long stemmed flowers. One of the finest Decorative Dahlias.

Constancy. Rich reddish orange, shaded bronze. A strong and vigorous grower and profuse bloomer. Each, 15 cents; dozen, \$1.50.

Eloise. Pink, center of flower bluish white.

Gloriosa. Bright glistening crimson scarlet.

Harry Freeman. Pure White.

Iridescent. Metallic bluish tints on red ground. Free flowering.

Jack Rose. Rich glowing crimson. Color of the favorite old rose.

General Jacqueminot. Early and profuse bloomer.

Keystone. Lilac ground penciled with crimson. Fine large flowers.

Lyndhurst. Rich glowing scarlet. Fine long stemmed flowers. A clearer, deeper shade than William Agnew.

Mrs. Hartong. Light fawn suffused with pink. Large. Fine form. Each, 15 cents; \$1.50 a dozen.

Mrs. Roosevelt. Delicate light pink. Immense double flowers of graceful form. Free flowering. A magnificent variety. 30 cents each; \$3.00 a dozen.

Nymphaea. Light shrimp pink, almost white. The "Water Lily Dahlia." Robust plant and large beautiful flower.

Olympia. Rose pink, striped and penciled with crimson. Occasionally comes in solid crimson. Fine double flowers.

Perle d'Or. Pure white; large. Free blooming. Petals split at the tips giving a beautiful Chrysanthemum effect.

William Agnew. Brilliant glowing scarlet. The beautiful large flowers are a little lighter shade than Lyndhurst.

Zulu. Rightly named the "Black Dahlia." Jet black, changing to black maroon as the flowers fully expand. Each, 15 cents; dozen, \$1.50.

Show Dahlias

The old fashioned double Dahlia. Ball-shaped flowers; the petals quilled or tubular. As a class they are more formal than the Cactus or Decorative. They still retain their old-time popularity, on account of their long stiff stems and their lasting qualities as cut flowers.

15 cents each; \$1.50 a dozen; except where noted,
Mail or express prepaid.

A. D. Livoni (Ethel Vick.) Soft sea shell pink. A splendid cut flower.

Ada Tiffin. Light peach, tinted rose.

Arabella. Pale primrose, tipped lavender and shaded rose. A charming color and an early, free blooming flower.

Bird of Passage. White, tipped with pink.

Emily. Lavender. Flowers of great size on long stems. A grand variety and a very free bloomer.

Frank Smith. Deep velvety maroon, each petal distinctly tipped with white. Very striking and attractive.

Maid of Kent. Cherry red, tipped with white.

Miller's Red. Dark crimson scarlet. Large and free flowering.

Miss Thatcher. Sulphur yellow.

Penelope. White daintily flaked light lavender. Good size and free blooming. Purity. A beautiful white.

Queen of Yellows. Clear, deep yellow. A splendid flower for cutting.

Red Hussar. Brilliant glowing scarlet. Lighter shade than Miller's Red and not quite so large. Free flowering.

Red Warrior. Rich crimson.

Storm King. Pure white. Very early and the most profuse bloomer of any white.

Thomas White. Dark crimson maroon.

White Swan. White. A magnificent large white flower.

Pompon Dahlias

The ball-shaped flowers of the Pompon Dahlias are a little smaller than those of the Show class, and are borne in the greatest profusion on long slender stems. They are earlier than the larger classes.

15 cents each; six for 75 cents; mail or express prepaid

Catherine. Pure lemon yellow.

Eleganta. Deep soft pink, edged rose.

Daybreak. Soft shell pink.

Fairy Queen. Sulphur yellow, edged deep peach.

Little Beauty. Delicate shrimp pink.

Prince Charming. Creamy white, tipped pink.

Snowclad. White, early and profuse bloomer.

Vivid. Bright fiery scarlet. A prolific bloomer.

White Aster. Pure white, splendid for cutting.

Hardy Plants Old and New. A book describing and handsomely illustrating Perennial Plants, Roses, Shrubs and Climbers. Contains reliable information about the best varieties for beautifying the home grounds; also a table showing the blooming season, enabling you to obtain a succession of flowers from February to December. The book is richly illustrated by photographs direct from nature. Ask today for a free copy; it will be mailed to anyone, anywhere.

GLADIOLUS

There is no other summer-flowering hulk so satisfactory, needing so little attention and thriving so well in almost any ordinary soil, as the Gladiolus. The hulks should be set from three to six inches apart in rows, or, for massing, six 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 hulks, remove the tops, dry in the air for a few days, and store in some cool, dry places secure from frost, until spring. Our list is a selection of the cream of hundred, of varieties which are grown on our own farm, under our own supervision.

America. The most popular Gladiolus in cultivation. Splendid large flowers of a beautiful clear flesh pink color. The petals are well rounded, the flowers broadly opened, and the fine showy spike is of good length. The plants are vigorous growers, not subject to disease, and make extra good hulks. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Attraction. Flowers very large. A beautiful soft color, between rose and scarlet. The large throat is pure white. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Augusta. Fine white, faintly tinged with lavender. Free bloomer and has a long season. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Baron Hulot. Dark, velvety, violet-blue. Best of the blues. Each, 15 cents three for 40 cents; six for 75 cents; twelve for \$1.40.

Beauty. Earliest of all. Light pink with chocolate throat. Each, 10 cents three for 25 cents; six for 40 cents; twelve for 75 cents.

Brenchleyensis. Vermilion-scarlet. Fine old variety. Early, vigorous and free bloomer. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Canary Bird. Clear canary yellow, without markings. The best yellow. Each, 15 cents; three for 40 cents; six for 75 cents; twelve for \$1.40.

Cardinal. Intense cardinal scarlet. Deep, rich color and large flowers. Each, 15 cents; three for 40 cents; six for 75 cents; twelve for \$1.40.

Eugene Scribe. The large, well opened flowers are a soft rose-pink heavily flaked with bright carmine. Edges of flowers ruffled. Large spikes. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Independence. A brilliant rose pink, with richly marked throat, a long strong spike of wax-like flowers. One of the best. Each, 10 cents; three for 25 cents; twelve for 75 cents.

Isaac Buchanan. Light yellow, flushed with deeper color. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Jean Dieu-lafoy. Early. Large flowers of creamy pink. Large blotch of bright crimson in throat. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Ruffled "Glory" A new type of Gladiolus. One of the most valuable introductions of recent years. Each petal is distinctly ruffled at the edge. The immense flowers are a beautiful cream-pink color. Leaves very broad. Strikingly distinct in plant and flower. The stock we offer was all grown on our own farm the past year. Each, 20 cents; six for \$1.00; twelve for \$1.80.

Madam Monneret. Soft pure pink; a little carmine in the throat. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

May. Beautiful light flesh pink, flaked with carmine at the edges. A good variety for all purposes. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Melrose. One of the largest Gladioli in cultivation. Light pink ground, flaked with rose. Very desirable. Each, 20 cents; six for \$1.00; twelve for \$1.80.

Mephistopheles. Very striking. Deep scarlet heavily marked with yellow and dark crimson. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Mrs. Beecher. Very large flowers of deepest scarlet. Each, 10 cents; six for 40 cents; twelve for 75 cents.

Peace. The flowers are large, of perfect form, on a heavy, straight spike. Color a pure white, with pale lilac featherings on the interior petals. Height about five feet. This is the largest flower, the most vigorous grower and the hardiest hulk of any of the varieties that can be used as white Gladioli. Each, 50 cents.

Primulinus. A rare species from South Africa. The flowers are small, of a primrose yellow color, and borne on tall, slender stems. Blooms the whole season. Each, 25 cents; six for \$1.25; twelve for \$2.25.

Princes. Immense, broadly open flowers of clear, brilliant scarlet. The "Amaryllis flowered" Gladiolus. Each, 20 cts.; six for \$1.00; twelve for \$1.80.

Rosella. Very large flowers of deep rose color. Each, 15 cents; six for 75 cents; twelve for \$1.40.

Shakespeare. Light pink suffused with carmine. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

"1900." Rich, deep scarlet with large white blotch. Hardy and free flowering. A splendid, late blooming variety. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.



GLADIOLUS, AMERICA

COLLECTIONS

In order to give our customers an opportunity to make their own collections of standard varieties at moderate cost, they may select:

- Any 3 (all different), priced at 10 cents, for . . . 25 cents
 Any 6 (all different), priced at 10 cents, for . . . 45 cents*
 Any 12 (all different), priced at 10 cents, for . . . 80 cents

MIXTURES

Vick's Named Mixture. This is a mixture of over 150 named varieties, to which we are adding every year. It comprises every class, and will furnish a profusion of bloom from July till frost. Many of these varieties cost us several times as much as we charge for the mixed. Half dozen, 30 cents; dozen, 55 cents; hundred, \$4.00; charges prepaid.

First Quality Mixed. All colors in fine assortment. Half dozen, 20 cents; dozen, 30 cents; hundred, \$2.00; charges prepaid.

GROFF'S HYBRID GLADIOLI

In Mixtures Only

This race of Gladioli contains many striking shades. The plants are more robust than those of the standard, or Gandavensis type, and the flowers are larger, more spreading and have broader throats. The famous "America" is one of the many choice varieties taken from Groff's Hybrids.

Light and White Hybrids. Beautiful collection of light and dainty shades. Half dozen, 30 cents; dozen, 50 cents; hundred, \$3.50; prepaid.

Red Hybrids. All shades of red, scarlet and crimson. Half dozen, 30 cents; dozen, 50 cents; hundred, \$3.50; prepaid.

Blue Hybrids. Includes all the shades of clematis, lilac and heliotrope; a beautiful strain. Half dozen, 45 cents; dozen, 80 cents; hundred, \$6.00; prepaid.

Mixed Hybrids. All shades in grand mixture. Half dozen, 30 cents; dozen, 50 cents; hundred, \$3.50; prepaid.



Small Fruits



STRAWBERRIES

For field culture, plant in rows four feet apart, with the plants one foot apart in the row. For garden culture, plant three feet 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 crowns even with or a little above the surface of the ground, and to have the trench or hole in which the plants are to be set deep enough to allow their 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 and hundred prices we prepay postage or express charges; at thousand rate customers will pay express or freight charges.

Dozen, 25 cents; 100, \$1.50; 1000, \$6.00, except as noted.

Abington (P). Large, bright red, firm and good quality; holds its color well and continues bearing a long time. An improvement on Bubach. Dozen, 45 cents; 100, \$2.50; 1000, \$10.00.

Vick's Uncle Joe. Its fruit is perfect in form, of a dark, rich color, firm flesh, monstrous in size and uniform in shape. Among other attractive features, its early and continuous yield during the season is attributable to its strong, healthy and robust growth. Dozen, 50 cents; twenty-five, 75 cents; hundred, \$2.25; fifty at hundred rate; thousand, \$12.00.

Climax. This very prolific strawberry originated with Henry W. Graham, of Maryland. In 1900 he had 1,100 plants, which he set on less than a quarter of an acre. In 1901 he shipped 6,300 quarts, or about 20,200 quarts to the acre. Medium early. Dozen, 35 cents; 100, \$2.00; 1000, \$8.00.

Early Beauty. Fruit medium to large. Productive and good quality. One of the best early varieties we have ever fruited. Dozen, 45 cents; 100, \$2.50; 1000, \$10.00.

Echo. Superior to other varieties in both flavor and sweetness. Fruit brilliant red, of medium size, second early. Very productive.

Gandy. One of the best late Strawberries. Large, uniform size, rich crimson. Is a vigorous grower and good cropper. Late to very late.

Stevens' Late Champion. The plants of this variety are of more than ordinary vigor; a good runner; perfectly healthy; color bright. A fine looking berry. Ripens after most other varieties have gone. We consider it the best late strawberry. Dozen, 35 cents; 100 \$2.00; 1000, \$8.00.

World's Wonder. As productive as the Haverland, but twice as large. Fruit is a bright red in color and does not turn dark after being picked. Uniform in shape, large size, good keeper and shipping berry. Ripens early and brings extra fancy price on market. Vines are strong, thrifty, and rapid in growth. Will produce a large crop on either high or low land. The fruit is so firm and its keeping qualities are so excellent that it does not need to be picked oftener than once in three days. Dozen, 50 cents; hundred, \$2.50; thousand, \$10.00.



WILLIAM BELT STRAWBERRY

William Belt. One of the very best for the home garden. Plants grow strong and large, foliage handsome dark green. Fruit large, bright crimson. Ripens all over, no green tips. Juicy and sweet.

OTHER STANDARD VARIETIES

| | | | |
|-------------|--------------|---------------|----------------|
| Brandywine, | Jessie, | Crescent (P), | Glen Mary (P), |
| Bubach (P), | McKinley, | Wilson, | Sample (P), |
| | Seaford (P). | | |

Collections of Small Fruits for the Home Garden

No changing or substituting allowed in these collections.
Postage or Express Prepaid.

COLLECTION No. 1, STRAWBERRIES

Four varieties, early, medium, and late, which in our judgment are best adapted for general garden culture.

12 Echo . . . \$0 25 12 Brandywine . . . \$ 25 12 William Belt \$0 25
12 Gandy 25

4 Varieties--48 Plants--for \$.75

COLLECTION No. 2 RASPBERRIES

RED--6 Miller's Red. . . \$0 40 BLACK--6 Cumberland . . \$0 40
6 Columbian 50 6 Kansas 40

4 Varieties--24 Plants--for \$1.25

COLLECTION No. 4

CURRENTS AND GOOSEBERRIES

| | |
|------------------------------------|--------------------------------|
| 6 Red Cross . . (red) . . . \$0 63 | 2 Gooseberries, Downing . . 50 |
| 2 Black Champion 40 | 2 White Grape 40 |

4 Varieties--12 Plants--for \$1.25

COLLECTION No. 5, GRAPE VINES

| | |
|-----------------------------------|----------------------------------|
| 1 Agawam (red) \$0 20 | 1 Catawba (red) \$0 20 |
| 1 Campbell's Early (black) . . 30 | 1 Worden (black) 20 |
| 1 Diamond (white) 20 | 1 Niagara (white) 20 |

Six Varieties--for \$1.25



Plum Farmer Black Raspberry

The Best for Private Garden and Market

The Plum Farmer Black Raspberry is, in our estimation, the best Black-cap ever introduced. The illustration above was taken from an actual photograph of a plant on our farm in 1912.

"The plants are hardy, vigorous and productive; the berries large, good in color and quality. It has already been grown in some localities, and reports of its behavior are very favorable. It certainly should be given a trial in all commercial plantations."—Report of Geneva Experimental Station.

The fruit ripens early; berries are large, thick meated, firm, juicy and sweet. In quality, firmness and productiveness, it is all that can be desired either by wholesale growers or for the home garden.

Each, 15 cts.; dozen, 75 cts.; hundred, \$2.25; thousand, \$12.00.

RASPBERRIES

Red, Black and Yellow Varieties

Blackcaps, and others that increase from the ends of the canes, should be planted three and a half by seven feet. Keep the soil loose and free from weeds. When the canes attain the height of one foot, pinch off the ends; this causes the canes to branch, grow stocky and self-supporting. In the spring of the bearing year cut these back to within six inches of the main stalk. After fruiting, cut out all the dead wood. Red Raspberries and all others that sucker, should be set five by three and a half feet apart, when they must be cultivated both ways. Allow only three or four canes in each hill; treat all others as weeds. For garden culture set red varieties three feet apart each way, Black Raspberries four by three feet.

RASPBERRIES, BLACK

Price, except as noted, each, 15 cents; dozen, 75 cents; hundred, \$1.50; thousand, \$15.00.

Cumberland. Very hardy, having withstood a temperature of 16° below zero. Very productive, making large crops of enormous berries. Fruit unusually firm, and may be shipped long distances. Mid-season variety, coming ahead of the Gregg.

Gregg. Very large, fine quality, productive, late, hardy.

The Kansas. Early. Stands drouth well, and is uninjured by frost. Fruit is larger than that of the Gregg. Jet black, firm texture.

RASPBERRIES, RED

Herbert. Fruit bright red, somewhat oblong, the largest of all red Raspberries, larger than Cuthbert. Flavor sweet and juicy. Enormously productive, will bear twice the crop of either Cuthbert or Loudon. Season five to six days before Cuthbert. Holds its size well to end of season. In hardiness it easily takes first place. The canes very strong and vigorous, leaves large and healthy. Each, 20 cents; dozen, \$1.50; hundred, \$8.00.

Cuthbert. A valuable late variety; large, firm, and of superior quality; very productive. Each, 15 cents; dozen, 75 cents; hundred, \$2.00; thousand, \$12.00.

Miller's Red. One of the best early varieties. As large as Cuthbert. Bright red. Flavor rich. Each, 20 cents; dozen, 80 cents; hundred, \$3.00.

Columbian. Popular for the home garden. Grows from eight to twelve feet high, covered with large, crimson berries. Perfectly hardy. Best for canning and evaporating, retaining color, form, and flavor. Each, 15 cents; dozen, 75 cents; hundred, \$2.25; thousand, \$12.00.

RASPBERRIES, YELLOW

Golden Queen. Light amber. Each, 15 cents; dozen, 80 cents; hundred, \$5.00.

CURRANTS

Choose a moist, rich soil for Currants. Plant five feet apart each way. Keep free from weeds and grass by liberal cultivation and mulching. Use plenty of manure and trim out superfluous wood by cutting back the new growth two-thirds each year. Keep the foliage free from worms by using white hellebore.

Each, 20 cents; dozen, \$1.25; hundred, \$7.00.

Cherry. Large and productive. Standard for market.

Black Champion. An English variety. Extra good for jams, etc.

Fay's Prolific. One of the best; very productive; large; good flavor; early.

Red Cross. A fine variety. Plants strong, vigorous, remarkably productive. Clusters large, often measuring four inches in length; berries large.

White Grape. Valuable for the table; quality excellent, mild, and sweet.

Perfection. Color bright red; size, as large as the Fay's or larger, the clusters averaging larger, the size of berry being well maintained to end of cluster. Rich, mild sub-acid, plenty of pulp, with few seeds. Less acid and of better quality than any other large currant in cultivation. The Perfection is a great bearer, superior to Fay or any other large sort. Strong 2-year plants, each, 30 cents; \$2.50 per dozen.

SEND YOUR ORDER EARLY

Before the "rush season" begins; we can thus give special attention to your wants, and you will have your seeds and plants when spring comes. It will be to your advantage to Order Early as it will possibly avoid writing about your goods, and this is an annoyance to you.

GRAPES

At the single and dozen prices we prepay mail or express charges.
Hundred lots by express or freight, charges not prepaid.

Rows should be eight feet apart, and vines from six to eight feet apart in the row. Dig a hole two feet long, one foot wide, and one foot deep. Put a little surface soil in the bottom, and mix in some bone dust or commercial manures, and then place in another thin layer of surface soil. Trim the ends of roots and spread out in hole, covering with surface soil. Cut the vine back to two buds, and draw in the earth so as to cover roots and stem up to top bud. Train the vine to a stake for the first two years, and afterwards train on trellis. Old wood never bears the second time; the vines of this year bear fruit the next. Nine-tenths of the wood should be cut away each season to get the largest and best grapes. *Vines are all strong two-year plants, true to name.*

Each, 20 cents; dozen, \$1.50; except as noted.

Campbell's Early. Strong, vigorous, hardy vine; thick, healthy, mildew-resisting foliage; always setting its fruit well and bearing abundantly. Berries large; black, with light purple bloom. Flavor rich, sweet, slightly vinous. Very early. Each, 30 cents; dozen, \$2.00.

Catawba. Large, compact; berries deep red, sweet and juicy.

Concord. Black. Most popular and reliable variety cultivated.

McKinley Early. New. A cross between Niagara and Moore's Early; has all the good qualities of the Niagara, but *fully ten days earlier*. The best early white variety ever offered. Strong 2-year-old plants, each, 40 cents.

Diamond. Bunches large, compact, shouldered. Berries large, white, melting, juicy, sweet to center. Skin thin. Strong grower and abundant bearer.

Niagara. Strong grower. Bunch and berries large; color light green. Very productive.

Worden. The best black; most productive and satisfactory of all varieties.

OTHER STANDARD VARIETIES

Brighton. Delaware. Agawam (Roger's No. 15).



RATHBUN BLACKBERRIES

BLACKBERRIES

At the single and dozen prices we prepay mail or express charges. Hundred and thousand lots by express or freight, charges not prepaid. For field culture, plant in rows six feet apart and plants three feet apart in the row. For garden culture, five by five feet.

Price, except as noted, each, 15 cents; dozen, 80 cents; hundred, \$2.50; thousand, \$15.00.

Blowers. (New) The giant of all Blackberries. An upright strong grower, very hardy and productive. Ripens about the middle of July and continues bearing for about two months. Each, 25 cents; dozen, \$1.50.

Eldorado. Very vigorous and hardy; fruit large, of finest quality, and without a hard core.

Minnewaski. One of the largest and most productive. Early.

Rathbun. Fruit extra large. In quality it surpasses the luscious Dewberry, being without the hard core common to Blackberries. It brings more in the market. The plant is hardy, vigorous, and a great bearer. Fruit large throughout the season. As a shipper it is unsurpassed.

Snyder. An exceptionally hardy variety. Berries medium size, produced abundantly; sweet, juicy, and, when fully ripe, without a hard core.

GOOSEBERRIES

Gooseberries thrive best if planted where they will receive a partial shade. Plant the same distance as Currants. Gross feeders, liking a deep rich soil.

At single and dozen prices we prepay postage or express charges.

Chautauqua. Fruit a light yellow (nearly White), free from spines and hair. Thick-skinned, sweet, and of exquisite flavor. Equal to any other variety on the market. Each, 50 cents; dozen, \$3.50.

Downing's. A native seedling; vigorous, hardy, and prolific; free from mildew. Fruit greenish white, large. Each, 25 cents; dozen, \$1.75.

Industry. A valuable new foreign variety. Fruit dark red, very large, and of a rich agreeable flavor. An immense yielder. Each, 30 cents; Doz., 2.50.

Pearl. Grown from seed of Houghton, crossed with Ashton Seedling. Worthy of special notice because of its good quality, productiveness, and freedom from mildew. Each, 25 cents; dozen, \$1.75.



PEARL GOOSEBERRIES

VICK'S FRUIT AND ORNAMENTAL TREES

APPLES

Our list embraces a careful selection of the best for the several seasons and those that have proved worthy of general cultivation. Those starred (*) are the Russian and hardier varieties.

40 cents each, \$4.00 a dozen, \$30.00 per hundred

SUMMER

Early Harvest—Medium, pale yellow, fine flavor, sub-acid; very productive. July.

***Red Astrachan**—Large, crimson, juicy, with rich, sub-acid flavor. Bears early; hardy. July.

***Yellow Transparent**—The hardiest and finest early summer apple grown. Fruit large, pale yellow. July.

AUTUMN

***Duchess of Oldenburg**—A large, beautiful apple, round, streaked red on yellow ground; tender, juicy, very acid. Fine for cooking. September.

***Fameuse (Snow)**—Medium, deep crimson, flesh very white, tender, crisp and juicy, sub-acid. A popular dessert apple. October.

Maiden's Blush—Medium, pale yellow, red cheek, fine quality, sub-acid. October.

WINTER

Baldwin—Large, roundish, skin deep red, flesh juicy, crisp, sub-acid, good flavor. Vigorous and productive. Keeps splendidly. December to March.

***Grimes' Golden**—Good size, yellow; high quality. November to March.

King—An apple of the largest size; deep red, round, flesh yellow, juicy, acid, tender. Always in demand. November to March.

***McIntosh Red**—A very fine apple of the Fameuse class, hardy; large, dark red; flesh white, very tender, splendid quality. November to Feb.

Newtown Pippin—Large, round, greenish yellow. Very high quality, juicy, crisp, tender, rich, sub-acid. December to April.

Northern Spy—Crisp, tender, high quality, fine shape, beautiful coloring. Red, usually striped, sub-acid. November to March.

Northwestern Greening—Very hardy, greenish yellow, large, mild, sub-acid. November to March.

Roxbury Russet—Medium, dull green and yellow; flesh white, rich, sub-acid. November to March.

Talman Sweet—Medium, pale whitish yellow; flesh white, fine grained; very hardy and productive. The best winter sweet apple for home and market. November to March.

***Wealthy**—An American apple that is becoming very popular on account of its handsome appearance and early fruiting. Hardy and productive. Fruit large size, roundish, skin smooth, splashed with dark red; flesh white, tender, juicy, sub-acid. November to January.

Wine Sap—Medium, deep red; firm, crisp, high flavor; popular in Southwest. December to May.

CRAB APPLES

Transcendent—Large, yellow with rich crimson cheek. An improved Siberian crab. September.

SUMMER PEARS

50 cents each, \$5.00 a dozen, \$30.00 per hundred

Bartlett—Large size, rich, melting, delicious; everywhere successful. Blossoms sterile, requiring other varieties planted near by to insure fertilization. September.

Clapp's Favorite—Very large and showy, golden yellow with red cheek. Ripens a week before Bartlett. Rots at the core unless picked ten days before ripe. August.

Wilder—Medium size, yellow with carmine sading; fine grained, tender, sub-acid. August.

AUTUMN PEARS

50 cents each, \$5.00 a dozen, \$30.00 per hundred

Duchesse d'Angouleme—Very large, greenish yellow, tender, melting, buttery and juicy; does best as a dwarf. October.

Flemish Beauty—Large, sweet, melting; very productive, but liable to scab; very hardy. September.

Kieffer—Large, deep yellow with russet dots; juicy, sweet, coarse; immensely productive; early bearer. Fruit must be thinned to get the largest size. Fine for canning. Said to be blight-proof. October and November.

Seckel—Small, finest flavor; excellent for pickling and dessert; very productive. September.

Sheldon—Medium size, round, russet and red; melting, rich, very juicy delicious; very productive; keeps well. October.

WINTER PEARS

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Beurre d'Anjou—A grand pear; large, handsome, buttery, melting, rich, yellow when ripe. The finest winter pear grown. Requires to hang late. October and January.

Lawrence—Medium size, golden yellow, melting, very rich. The finest early winter pear. November and December.

DWARF PEARS

40 cents each, \$4.00 a dozen, \$30.00 per hundred

Beurre d'Anjou—Early winter. Clapp's Favorite—Very early
Duchesse—Late fall, fine. Seckel—Extra fine quality.

CHERRIES--Sweet

50 cents each, \$3.00 a dozen, \$30.00 per hundred

Black Tartarian—Fruit large, heart shape, dark purple, tender, rich; very prolific. Tree upright, vigorous and healthy. The best early black cherry.

Napoleon—The largest size, yellow with red cheek. Very firm, juicy and sweet. Vigorous, upright tree; enormously productive. July.

DUKES AND MORELLOS--Sour

Early Richmond—Medium size, bright red, acid, very hardy and productive. Fruits very young. For cooking and market one of the best. June.

English Morello—Medium size, dark red, acid, late; dwarf. Very hardy; early bearer. July.

Large Montmorency—Fruit large, bright red, fine flavor; very hardy and immense bearer. Season a little later than Early Richmond.

PLUMS--European

50 cents each, \$5.00 a dozen, \$30.00 per hundred

Fellenburg—(Italian Prune)—Very large, rich dark purple, flesh juicy and good, rather coarse, freestone; tree spreading, productive. September.

German Prune—Medium size, dark blue, juicy, rich. Tree upright, vigorous and productive. September.

Reine Claude—Large, yellowish green, juicy, melting, sugary, rich flavor. September.

AMERICAN

Bradshaw—Very large, purple; juicy, excellent quality. Tree erect and vigorous, productive. August.

Imperial Gage—Medium size, yellow, juicy, rich, delicious, productive, strong grower. August.

Lomhard—Medium, violet red, juicy, pleasant and good. Immensely productive, hardy. August.

JAPANESE AND HYBRIDS

Abundance—Fruit large, showy and beautiful. Color amber turning to a rich, bright cherry red, highly perfumed. Flesh light yellow, juicy, tender, and delicious; freestone. The tree is a strong upright grower, immensely productive. Season early.

Burhank—Flesh, yellow, firm, tender and very juicy, rich, sweet and aromatic. Very productive. Tree spreading and hardy. One of the best. Medium.

Wickson—Large, color carmine with a heavy white bloom; stone small; flesh fine, firm, sugary and delicious. Picked green, will ripen and color perfectly and keep two weeks or more after ripening, making it an excellent market plum. Tree upright grower and productive.

PEACHES

30 cents each, \$2.75 a dozen, \$15.00 per hundred

Champion—A white freestone, ripening about September 1st. Delicious, sweet, rich and juicy, skin creamy white with red cheek, strikingly handsome. It is hardy, productive, early, largest size and highest flavor.

Crawford's Early—Very large, yellow, rich, sweet, luscious; free. Sept.

Crawford's Late—Very hardy, large, yellow, rich, sweet; free. September.

Elberta—Takes the lead for beauty, size and quality. One of the *hardest*, as large or larger than Crawford's Early, and its equal in beauty and flavor.

One of the finest yellow freestone peaches. Fruit yellow with red cheek; flesh yellow, juicy, good quality; ripens slightly later than Early Crawford.

Fitzgerald—A native seedling, as large or larger than Crawford; freestone, very best quality. A heavy bearer, fruiting very young, almost invariably the second year after planting. Hardy. Ripens just after Crawford's Early.

Greensboro—Larger and earlier than Crawford's Early, and nearly freestone. It is colored beautifully with crimson and has a yellowish cast; the flesh is white and of good flavor. The peach is large, many specimens measuring eight to nine inches in circumference. Productive.



AMERICAN LINDEN

The prices on all Trees include packing and delivery to express or freight office, but the purchaser is to pay the express or freight charges.

Not less than six trees at the dozen price.

ORNAMENTAL TREES

| | Each. | Dozen. |
|--|--------|---------|
| Beech, Purple leaf | \$1 00 | \$10 00 |
| Birch, Cut-leaved Weeping | 75 | 7 00 |
| Catalpa, Speciosa | 75 | 7 00 |
| Catalpa, Bungei | 1 00 | 10 00 |
| Crab, Bechtel's Double-flowered (American) | 75 | 7 00 |
| Dogwood, White-flowering | 75 | 7 00 |
| Dogwood, Red-flowering | 1 50 | 15 00 |
| Elm, American White | 85 | 8 00 |
| Elm, Camperdown Weeping | 1 00 | 10 00 |
| Horse Chestnut | 1 00 | 10 00 |
| Judas Tree, or Red Bud (American) | 1 00 | 10 00 |
| Laburnum (Golden Chain) | 75 | 7 00 |
| Linden (American Basswood) | 1 00 | 10 00 |
| Linden (European) | 75 | 7 00 |
| Magnolia Acuminata | 85 | 8 00 |
| Magnolia Conspicua | 1 75 | 19 00 |
| Magnolia Lenne | 1 75 | 19 00 |
| Magnolia Soulangeana | 1 75 | 19 00 |
| Magnolia Speciosa | 1 75 | 19 00 |
| Maple, Ash-leaved | 60 | 6 00 |
| Maple, Norway | 1 00 | 10 00 |
| Maple, Schwedler's | 1 50 | 15 00 |
| Maple, Silver-leaved | 60 | 6 00 |
| Maple, Sugar | 1 00 | 10 00 |
| Maple, Weir's Cut-leaved | 85 | 8 00 |
| Maple, Japan | 2 25 | 24 00 |
| Maple, Japan Purple-leaf | 2 25 | 24 00 |
| Maple Blood-leaved | 2 25 | 24 00 |
| Mountain Ash, (European) | 75 | 7 00 |
| Mountain Ash, Oak-leaved | 75 | 7 00 |
| Mountain Ash, Weeping | 1 00 | 10 00 |
| Oak, Pin | 1 25 | 13 00 |
| Plum, Purple-leaf | 75 | 7 00 |
| Poplar, Carolina | 65 | 6 00 |
| Arbor-Vitæ (Thuja Occidentalis) | 60 | 6 00 |

EVERGREENS

| | | |
|--|------|-------|
| Arbor-Vitæ, Douglas' New Golden | 1 00 | 10 00 |
| Arbor-Vitæ, Pyramidalis | 85 | 8 00 |
| Juniper, Irish | 75 | 7 00 |
| Spruce, Colorado Blue, two feet | 2 00 | 24 00 |
| Spruce, Colorado Blue, 12 to 13 inches | 1 50 | 18 00 |
| Spruce, Norway | 60 | 6 00 |

INSECTICIDES AND FUNGICIDES

Note—Liquids and poisonous powders cannot be sent by mail. Directions for using printed on each package.

Aphis Punk. A convenient form for fumigating. 12 rolls (1 box), 60 cents; one dozen boxes, (one case), \$6.50; charges not prepaid.

Black-Leaf 40 (Liquid). A highly concentrated solution of Nicotine Sulphate. Does not lose strength at ordinary temperatures, and the best Tobacco extract on the market. Endorsed by Experiment Stations; ½ lb., 2½ lbs., (marks 240 gallons solution) \$3.25. Charges not prepaid.

Bordeaux Mixture. (Liquid). For fungous diseases. Directions for using on can. Pint, 30 cts.; quart, 50 cts.; gal., \$1.50; charges not prepaid.

Bug Death. For potato bugs and blight; contains no arsenic; does not wash off. In comparative tests made on our farms last season Bug Death headed the list, not only as an insecticide, but kept the plants in a healthier condition and actually increased the yield over all others, while the potatoes when dug were healthier, contained more starch, and kept better than others. 1-lb. package, 15 cents; 3-lb. package, 35 cents; 5-lb. package, 50 cents; 12½-lb. package, \$1.00; 100-lb. keg, \$7.50; charges not prepaid.

Dalmatian Insect Powder. The true "Persian" insect powder. ¼ lb., 20 cents; ½ lb., 35 cents; lb., 55 cents; charges paid.

Dickey's Duster. For applying not only Bug Death but any other insecticide in powdered form, 25 cents each; charges not prepaid.

Hellebore. Pure and fresh; used largely for currant worms, etc. Pound, 30 cents; charges not prepaid.

Kerosene Emulsion. For scale insects, aphis, etc. Quart, 50 cents; gal., \$1.00; charges not prepaid.

Nicofume. A tobacco-paper insecticide for fumigating only. Prices; small sizes (24 sheets), 75 cents; medium size (144 sheets), \$3.50; large size (288 sheets), \$6.50; charges not prepaid.

Nicofume Liquid. Pint, \$1.50; charges not prepaid.

Nicoticide. (Liquid). Can be used either for fumigating or spraying ¼ pint 70 cents; ½ pint \$1.25; pint, \$2.50; quart, \$4.50; ½ gallon \$8.50; 8 lbs. (1 gal.), \$15.00; charges not prepaid. Lamps, complete, 50 cts, postpaid.

Nikoteen Kills the Bugs. A thorough exterminator of all injurious insects. Pint, \$1.50; charges not prepaid.

Slug Shot. Non-poisonous powder for Potato Bugs, Cabbage Lice and Worms, Currant Worms, etc. 5 lb. package, 30 cents; charges not prepaid.

Sulpho-Tobacco Soap. Used as a wash for roses, trees, and house plants. Very desirable for insects on animals. 3-oz. cake, 13 cents; 8-oz. cake, 30 cents; postage paid.

Tobacco Dust (The Black Stuff). Per lb., 25 cents; postage paid.

Vick's Excelsior Insect Exterminator. Will destroy Striped Bugs, Cabbage Lice, Green Cabbage Worms, Potato Bugs, Aphis, Squash Bugs, Cockroaches, etc.; 50 cents per pound, by mail. In lots of five pounds or over, 35 cents per pound by express at expense of the purchaser. This powder can be applied most thoroughly, economically, and quickly, by means of the bellows we have constructed for that purpose. Eight-inch Bellows, \$1.50. Twelve-inch Bellows, \$1.75. The Bellows can be sent only by express at expense of purchaser. For use in conservatories and for house plants we offer a small zinc Bellows, in two sizes. No. 1, with one ounce of Exterminator, 30 cents, postage paid. No. 2, with four ounces of Exterminator, 50 cents, postage paid.

Whale Oil Soap. Used as a wash for roses, trees, and plants affected with insects; ½ lb. box, 25 cents; 1 lb. box, 40 cents, postage paid. Special price on large quantities.

Miscellaneous Supplies

Bellows. For applying dry insecticides. Hand-made throughout from seasoned wood and best quality sheepskin. Eight-inch, \$1.50; 12 in., \$1.75. Charges not prepaid.

Dibbles. Used in transplanting, steel point. 35 cents each; 50 cents postpaid.

Grass Shears. Best quality steel. 75 cents, postage not paid.

Grafting Wax. 1/4 lb., 15 cents; 1/2 lb., 25 cents; lb., 40 cents, postpaid.

Garden Trowels. Solid steel, best grade only, 30 cents, not postpaid.

Labels. Wooden; painted. Charges not prepaid.

| | |
|--|---|
| 3 1/2 inch, pot, per 1000 . . . \$0.75 | 6 inch, pot, per 1000 . . . \$1.50 |
| 4 inch, pot, per 100090 | 8 inch, pot, per 1000 . . . 4.00 |
| 4 1/2 inch, pot, per 1000 . . . 1.00 | 3 1/2 inch, tree, copper wired per m 1.75 |
| 5 inch, pot, per 1000 . . . 1.25 | 5 inch, notched, per 1000 . . . 2.25 |

Mole Traps (The Out O'Sight). It is not complicated, or easy to get out of order; easily set without danger to yourself; can be used in hotbeds, or without disturbing runway. Full explanation of habits of moles furnished with each trap. Price, \$1.25, by mail postage paid. By express \$1.00, express charges not prepaid.

Potting Soil. Especially prepared and sifted, per bu. 75 cents; bbl., \$1.75; charges not prepaid.

Pruning Shears. Charges not prepaid.
 No. 1537—8-inch . . . \$0 65 6-inch, Nickle Plated . . . \$0 85
 No. 1537—8 1/2-inch85 10-inch, Wiss, genuine . . . 2 50
 No. 1538—8 1/2-inch . . . 1 00 9-inch, Wiss, genuine . . . 2 25

Raffia. For tying, per lb., 20 cents; 5 lbs., 80 cents; 10 lbs., \$1.50; charges not prepaid.

Syringes. Brass. Charges not prepaid.
 No. A—12-inch harrel, 1-spray rose and jet. . . . \$2 75
 No. 12—14-inch harrel, 2-spray rose and jet. . . . 3 50
 No. 11—16-inch harrel, 2-spray rose and jet. . . . 5 00
 No. 5—18-inch harrel, 2-spray rose and jet. . . . 6 00

Sprinklers. Tyrian. Rubber, made with a perforated detachable top; valuable for window gardening, houquet sprinkling, dampening clothes, etc.; postpaid.
 6-ounce size, straight neck \$0 75
 6-ounce size, bent neck 85
 8-ounce size, straight neck 90
 8-ounce size, bent neck 1 10

Weeders. Claw, 25 cents; Hazeltine, 40 cents; Lang, 30 cents; Brown's Easy, short handled, 50 cents; postage paid.

BASKET MAKING MATERIALS

Raffia. The inner skin of a palm found in Madagascar. Raffia is very strong and tough, but soft and flexible, which facts make it the only practical article for weaving into fancy baskets, boxes and mats. In its natural color it is a light straw, but for basket work various colors are used; our list is complete and embraces the following:

| | | |
|----------------------|----------------------|---------------------|
| No. 3—Indian Red | No. 14—Sage Green | No. 8—Pink |
| No. 12—Light Orange | No. 17—Emerald Green | No. 10—Brown |
| No. 5—Yellow | No. 6—Dark Navy | No. 9—Black |
| No. 16—Bright Yellow | No. 7—Red | No. 13—Bright Green |
| —Christmas Red | | |

PRICES ON BASKET MATERIALS—Postage Paid

| | OUNCE | 1/4 LB. | POUND |
|---|--------|---------|--------|
| Raffia—Colored See colors above | \$0 10 | \$0 20 | \$0 65 |
| Raffia—Natural | 10 | 15 | 40 |
| Reeds—No. 1 | 15 | 30 | 1 00 |
| No. 2 | 10 | 25 | 85 |
| No. 3 | 10 | 25 | 85 |
| No. 4 | 10 | 25 | 80 |
| No. 5 | 10 | 20 | 75 |
| No. 6 | 10 | 20 | 65 |

Samples of Raffia and Reeds on application.

BOOKS ON BASKETRY

Basket-Making. By T. Vermette Morse. 32 pages, illustrated with 106 working designs. A condensed work valuable to the beginner. Postpaid 25 cents.

How to Make Baskets. By Mary White. 200 pages, cloth bound, finely illustrated with working designs and half-tone plates. The best work on the subject we have seen. Postpaid, \$1.10.

KNIVES BUDDING AND PRUNING



No. 117

Pruning. No. 117—1 blade, folding, cocoa handle, round end80
 " No. 801—1 blade, folding, cocoa handle65
 " No. 923—1 blade, folding, stag handle1.00
 " No. 928—1 blade, folding, stag handle1.25



No. 718

Budding. No. 718—1 blade, open; cocoa handle \$0.25



No. 419

" No. 419—2 blade, folding, steel ivory handle, superior \$1.25
 " No. 690—2 blade, folding, steel buffalo handle, ivory tip 1.00
 " No. 919—1 blade, folding, steel ivory handle 1.35
 " No. 917—1 blade, folding, steel ivory handle, sheep's-foot 1.25

Fertilizers

Walker's Floral Fertilizer. A chemically correct flower food for house plants. Has no odor, and can be used dry or dissolved in water for sprinkling. Small size (feeds 25 plants six months), 25 cents; large size (feeds 25 plants for one year), 30 cents; postage paid.

Nitrate of Soda (Chili Saltpetre). The best and cheapest form of Nitrogen for plants. Highly concentrated and immediately available. Nothing like it to make plants grow. Price subject to market changes, 3 lbs., 30 cts.; 5 lbs., 50 cts.; 10 lbs., 75 cts.; 25 lbs., \$1.50; 100 lbs., \$4.00; charges not prepaid.

Pure Raw Bone Meal. 1 lb., 10 cents (by mail 25 cents); 5 lbs., 30 cents; 10 lbs., 50 cents; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; charges not prepaid.

Peruvian Guano. In 200 lb. hags only; per bag, \$5.00; per ton, \$40.00.

Pulverized Sheep Manure

CONVENIENT. Being thoroughly dried and finely ground. Pulverized Sheep Manure is in a convenient form for use on the lawn, in the garden, in the greenhouse, or for potting soil. Most of the weight has been removed in drying.

NATURAL. A pure animal fertilizer, dried and pulverized. No chemical change or loss of plant food occurs in drying and grinding. Adds organic matter to the soil by nature's own method.

INOFFENSIVE. Unequaled for the lawn. In effect it is a top dressing of stable manure, without any unsightly appearance or offensive odor.

NO RISK. Contains no acids or chemicals to burn the sprouting seeds or roots of plants. May safely be used wherever stable manure would be desirable, and without inconvenience or discomfort.

The most satisfactory fertilizer for lawns.

The first shower, or watering, following an application of Pulverized Sheep Manure, produces a luxuriant dark green growth. The insoluble particles, gradually decaying, feed the grass roots for a long time, so that the effect is lasting.

We have used Pulverized Sheep Manure on our own farm quite extensively for **Field Crops**, with excellent results. For this purpose we use a grain drill as for commercial fertilizers.

In the Garden Pulverized Sheep Manure is convenient; it furnishes plant food in the best form for growing plants of all kinds; and it adds organic matter or numus, to the soil, thus keeping it in a good mechanical condition. Commercial fertilizers cause the soil in time to become hard and dry.

Auto-Spray No. 3-B

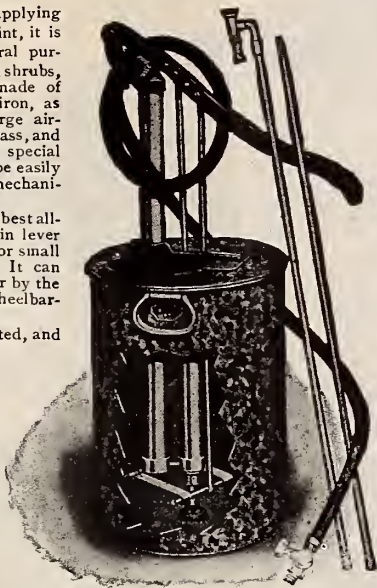
Capacity Eight Gallons of Solution

While primarily built for applying whitewash and cold water paint, it is perfectly adapted as a general purpose sprayer for trees, plants, shrubs, vines, etc. The tank is made of either brass or galvanized iron, as ordered. The pump and large air-chamber are made of heavy brass, and the pump is fitted with a special graphite packing which can be easily adjusted. The agitation is mechanical and effective.

We offer this machine as the best all-around size and equipment in lever handle high pressure pumps for small orchards and general work. It can be easily carried about, either by the handles or mounted on a wheelbarrow.

Each machine securely crated, and complete with eight feet of high-grade hose, eight feet of extension, stop cock and Vermorel nozzle. Shipping weight, 40 pounds.

Auto-Spray No. 3-B—
Galvanized tank, complete. \$11.20
Auto-Spray No. 3-C—
Brass tank complete. 13.20
Prices quoted f. o. b. export or freight office, Rochester.



Non-Clog Atomic Nozzle



The most valuable nozzle on the market. Positively the only nozzle that will not clog despite the claims of other manufacturers. Its good points will appeal to any practical orchardist. Can be adjusted by a simple mechanism to throw from a fine spray eighteen inches from the nozzle mouth, to a concentrated fan throwing twenty feet. Has a capacity of two, three or four point Vermorel, according to the disc used, each nozzle being furnished with four discs. A special feature is the patented screen through which the solution passes before entering the nozzle and absolutely prevents the possibility of clogging. Patent applied for.

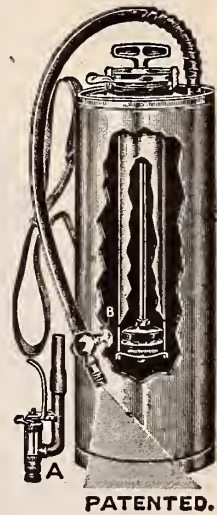
Net price, \$1.00 brass. Also fitted with standard 1/4 inch pipe thread.

Auto-Spray No. 1

Capacity 4 Gallons of Solution

The Auto-Spray No. 1 is the best compressed air sprayer made. Strongly built and guaranteed to be satisfactory and without defect. Will handle all solutions including whitewash, and can be used in all kinds of work. Tank of heavy brass or galvanized steel. Seamless brass pump 2 inches in diameter. The pump is locked air tight to the tank by means of a simple sliding cam. This locking device is superior to that on any other sprayer. There are no screw connections to wear out and become leaky. All parts are instantly accessible and easily replaced. Each machine equipped with 2 feet of 1/2-inch hose, nozzle for fine spray, cap for solid stream and either stop-cock or our patented self-cleaning shut-off ("auto-pop") as ordered.

Auto-Spray No. 1-A—Brass tank with stop-cock. \$6.70
Auto-Spray No. 1-B—Brass tank with auto-pop. 7.25
Auto-Spray No. 1-C—Galvanized tank with stop-cock. 4.50
Auto-Spray No. 1-D—Galvanized tank with auto-pop. 4.95
Brass Extension, 2 feet.45
Brass Elbow.27
Brass Strainer.09



PATENTED.

Auto-Spray No. 37

Continuous Sprayer

Compact design. Will handle all solutions. The entire front is removable by unscrewing the front cap, permitting the syphon tube to be withdrawn should it become clogged.



Fitted with two spray caps, one straight, and the other at an angle for reaching the under side of broad leaves. Will spray with tank at any angle. Solution does not come in contact with pump cylinder.
Auto-Spray No. 37-A—All tin. \$.90
Auto-Spray No. 37-B—Galvanized reservoir.80
Auto-Spray No. 37-C—Brass Reservoir. 1.00

Ornamental and Flowering Plants for Special Purposes

For Constant and Brilliant Bloom. Asters in all varieties, Sweet Alyssum, all the dwarf Cannas, Calliopsis, Eschscholtzia, scarlet Geraniums, Nasturtium, Petunia, Phlox Drummondii, Portulaca, Sweet Peas, Verbena, Double Zinnia.

Low-Growing Plants for Masses of Color. White—Sweet Alyssum, white Ageratum, white Brachycome, white Candytuft, Vick's white Phlox Drummondii, white Portulaca, white Verbena.

Blue—Ageratum Swanley Blue, blue Brachycome Heliotrope, Lobelia, blue Verbena.

Red—Carmine and Crimson Candytuft, Geranium, Phlox Drummondii brilliant scarlet and dwarf Fireball, Poppy, red Portulaca, Tropaeolum King of Tom Thumbs and Carter's Tom Thumb and crimson varieties if desired, red Verbena.

Yellow—Gaillardia, orange and yellow Eschscholtzia, French Marigold and especially the variety Tagetes signata pumila, Portulaca aurea vera, yellow, and Lady Bird Tropaeolum.

Plants for Window Boxes. Abutilon, Sweet Alyssum, Begonia, Fuchsia, Geranium, Grevillea robusta, Ivy Geranium, English and German Ivy, Lobelia, Maurandya, Mignonette, Petunia, Schizanthus, Thunbergia, Tropaeolum.

Dwarf Plants for Edgings and Borders. Ageratum, Sweet Alyssum, Alternanthera, dwarf Candytuft, Coleus, Double Daisies, Golden Feverfew, Little Gem Feverfew, Heliotrope, Lobelia, Mignonette, Myosotis, Pansies, Phlox Drummondii, Pinks, Veronica, Vinca, Violets.

Plants for Cemeteries. Anemone Whirlwind and Japonica, Astilbe Japonica, Achillea the Pearl, Eulalia, Hemerocallis flava, Hydrangea paniculata grandiflora, Lilies, Lily of the Valley, Day Lily or Funkia alba, Chinese Peonies, Polyantha Roses, Rose Madame Plantier, Spirea Van Houttei, Vinca minor, Hydrangea arborescens.

Fragrant Flowers. Asperula odorata, Sweet Alyssum, Candytuft, Carnation, Clematis paniculata, Honeysuckle, Heliotrope, Lily of the Valley, Lily, Mignonette, Mirabilis, Nicotiana affinis, Pansy, Sweet Peas, Pink, Rocket, Rose, Sweet William, Ten Weeks Stock, Tropaeolum, Tuberosa, Verbena, Violet, Wallflower.

Climbing Plants. Ampelopsis, Aristolochia, Adlumia cirrhosa, Bignonia radicans, Convolvulus major, Cobaea scandens, Cypress Vine, Clematis, Cardiospermum (Balloon Vine), Chinese Matrimony Vine, Chinese Yam or Cinnamon Vine, Dolichos, the Gourd family, Humulus Japonicus, Honeysuckle, Ipomoea of different varieties and especially I. Bona Nox and the Brazilian Morning Glory, English Ivy, Maurandya, Perennial Peas.

Plants for Vases and Baskets. Ageratum, Sweet Alyssum Little Gem and Carpet of Snow, Abutilon, Begonia, Canna, Cobaea, Coleus, Cuphea (Cigar plant), Dracaena indivisa, Fuchsias, Grevillea robusta, Geraniums, Heliotropes, Lobelia, Lantana, Mimulus, Myosotis, Maurandya, Manettia Vine, Madeira Vine, Nierembergia gracilis, Oxalis floribunda, Portulaca, Petunia, Schizanthus, Tropaeolum, Thunbergia, variegated forms of Vinca major, Veronica.

Index of Articles in this Catalogue

- Abobra 59
 Abutilon 75, 88
 Achillea 76
 Acroclinium 75
 Acuba 88
 Adlumia 54
 Ageratum 54, 88
 Agrostis nebulosa 75
 Akebia 84
 Alfalfa 41
 Alleghany Vine 54
 Althaea 83
 Alyssum 54, 76
 Amaranthus 54
 Amaryllis 94
 Ampelopsis 75, 84
 Anemone 76
 Anise 39
 Anthericum 89
 Antirrhinum 45, 54
 Aquilegia 55, 76
 Aristolochia 84
 Artichoke 6, 43
 Arundo Donax 75
 Asparagus 6, 34
 Asparagus, Ornamental 88
 Asperula 55
 Asters 45, 46, 47, 48, 49, 50
 51, 52, 53
 Baby Eyes 67
 Baby's Breath 59, 77
 Bachelor's Button 57
 Balloon Vine 56
 Balm 39
 Balsam 55
 Balsam Apple 59
 Balsam Pear 59
 Barberry 83
 Barley 43
 Bartonnia 55
 Basil 39
 Basket Materials, 102
 Beans, 7, 8, 9, 39, 43
 Beets 10, 11
 Begonia 75, 91, 94
 Bell-flower 56, 77, 78
 Bellows 12
 Berberis Thunbergii 83
 Bignonia 75, 84
 Bitter Sweet 75
 Blackberries 99
 Black Leaf 40, 101
 Blanket Flowers 60, 77
 Bleeding Heart 77
 Boltonia 77
 Books 39
 Books on Basketry, 102
 Borage 39
 Bordeaux Mixture 101
 Boracole 6
 Boston Ivy 75, 84
 Brachycome 57
 Briza 75
 Broccoli 6
 Broom Corn 43
 Brussels Sprouts 6
 Bryonopsis 59
 Buckwheat 43
 Bug Death 101
 Bulbs, Seeds of, 75
 Bulk Seeds 39
 Cabbage 12, 13
 Caladium 94
 Calcicaria 75, 89
 Calendula 58
 California Poppy 57
 Calla 94
 Calliopsis 55
 Campanula 56, 77
 Candytuft 56, 77
 Canna 56, 89
 Canterbury Bell 55, 77
 Caraway 39
 Cardinal Flower 60, 79
 Cardiospermum 56
 Carex Japonica 89
 Carnation 58, 88
 Carrots 14
 Castor Oil Bean 69
 Catnip 39
 Cauliflower 19
 Celastrus 75
 Celery 15
 Celeriac 15
 Celosia 36
 Centaurea 57
 Chichory 18
 Chinese Bell Flower 75, 88
 Chinese Peonies 78
 Chinese Pinks 58
 Chinese Primrose 75
 Chrysanthemum 55, 90
 Chrysurus 75
 Cineraria 75
 Cinnamon Vine 84
 Cives or Chives 14
 Clematis 75, 77, 84
 Climbers 84
 Clover 44
 Cobaea scandens 57
 Coccinea Indica 39
 Cockscomb 56
 Coix Lachryma 75
 Coleus 75, 91
 Collards 13
 Collections Fl'r Seeds 45
 Collection of Perennial
 Seeds 45
 Collection Small Fruits 97
 Columbine 55, 76
 Convolvulus 62
 Coreopsis 55, 77
 Coriander 39
 Corn 16, 17, 18, 39
 Corn-Buttle 57
 Cornflower Aster 70, 77
 Corn Salad 14
 Cosmos 56
 Cow Peas 43
 Cress 19
 Cucumber 20, 21
 Currants 98
 Cyclamen 75
 Cyperus 93
 Cypress Vine 56
 Dahlia 75, 95
 Daisy 58, 73
 Dandelion 13
 Datura 58
 Day-Lilies 81
 Delphinium 61, 76
 Deutzia 83
 Dianthus 58
 Dibbles 102
 Dicentra 77
 Digitalis 59, 77
 Dill 39
 Dolichos 60
 Dracaena 91
 Dusters 102
 Dusty Miller 57
 Dutchman's Pipe 84
 Echinocystis lobata 59
 Egg Plant 21
 Elephant's Ear 94
 Endive 23
 Erianthus 75, 77
 Eschscholtzia 57
 Eulalia 77
 Euphorbia 59
 Evening Glory 59
 Evergreen Candytuft 77
 Everlastings 75
 Farm Seeds 33, 44
 Feather Grass 75
 Fennel 23, 39
 Ferns 92
 Fertilizers 102
 Feticus 14
 Feverfew 67, 91
 Ficus 93
 Field Corn 17, 18
 Fire on the Mountain 59
 Flame Flower 80
 Flowering Maple 75, 88
 Flowering Sage 70
 Forget-me-not 59, 77
 Forsythia 83
 Four O'Clock 61
 Foxglove 59, 77
 Fruit and Ornamental
 Trees 100, 101
 Fuchsia 91
 Gaillardia 60, 77
 Garden Requisites 102
 Geranium 75, 92
 German Ivy 93
 Gladiolus 75, 96
 Globe Amaranth 75
 Gloxinia 75, 94
 Gold Dust Tree 88
 Golden Glow 80
 Gomphrena 75
 Gooseberries 99
 Gourds 59
 Grafting Wax 102
 Grain 43, 44
 Grapes 99
 Grass, Ornamental 75
 Grass Seed 40, 42
 Grass Shears 102
 Greenhouse Seeds 75
 Grevillea robusta 94
 Guano 102
 Gumbo 31
 Gynerium 75
 Gypsophila 59, 77
 Hardy Asters 77
 Hardy Climbers 84
 Hardy Climbers, Seeds of
 75
 Hardy Pinks 58, 77
 Hardy Shrubs 83
 Hardy Plants and Bulbs 76
 Hare's Tail Grass 75, 84
 Helianthus 70, 77
 Helichrysum 75
 Heliotrope 59, 91
 Heliopsis 75
 Hellebore, Powdered, 101
 Hemerocallis 81
 Herbs 39
 Hercules' Club 59
 Hibiscus 77
 Hoarhound 39
 Hollyhock 59, 77
 Honeysuckle 84
 Hop 39, 60
 Hordeum jubatum 75
 Horse Radish 19
 Hunemannia 59
 Hyacinth Bean 60
 Hyacinthus 79
 Hydrangea 83, 91
 Hyssop 39
 Iberis 77
 Ice Plant 60
 Impatiens 75
 Indian Pink 58
 Insect Destroyers 101
 Ipomoea 56, 59, 93
 Iris 78
 Ivy 84, 93
 Jacobean Lily 94
 Japan Pinks 58
 Japanese Hop 60
 Japanese Ivy 75, 84
 Japanese Morning Glory 62
 Jasmine 93
 Jerusalem Corn 44
 Job's Tears 75
 Johnson Grass 44
 Joseph's Coat 54
 Kaffir Corn 44
 Kale 6
 Kenilworth Ivy 75
 Kentucky Blue Grass 102
 Kerosene Emulsion 42
 Knives 102
 Kochia 60
 Kohl Rabi 23
 Labels 102
 Lace Fern 83
 Lady's Slipper (Balsam) 55
 Lagurus ovatus 75
 Lamarckia aurea 75
 Lantana 75, 91
 Larkspur 61, 76
 Lavender 39, 94
 Lawn Grass 40
 Leek 23
 Lemon Cucumber 21
 Lemon Ponderosa 92
 Lemon Verbena 92
 Lettuce 22, 23
 Lilac 83
 Lilies 82
 Lily of the Valley 81
 Linaria 75
 Linum 60
 Lobelia 60, 79
 Loose Strife 79
 Love-in-a-mist 65
 Love-in-a-puff 56
 Love-in-the-grove 67
 Lychnis 60, 79
 Lycoris 81
 Lysimachia 79
 Madeira Vine 94
 Magie Flower 81
 Maistrank 55
 Manettia Vine 93
 Mangel Wurzel 11
 Marguerite 55
 Marigold 61
 Marjoram 39
 Marsh Mallow 77
 Marvel of Peru 61
 Matrimony Vine 84
 Maurandya 61
 Melons 24, 25
 Mesebryanthemum 60
 Mexican Fire Plant 59
 Mexican Daisies 77
 Mignonette 62
 Millet 42
 Millo Maize 44
 Mimosa pudica 67
 Mimulus 65
 Mirabilis 61
 Miscellaneous Supplies 102
 Mock Orange 59
 Monkey Flower 65
 Mole Trap 102
 Monarda Didyma 79
 Montbretia 94
 Moon Flower 59, 93
 Morning Glory 62
 Mountain Fringe 54
 Mourning Bride 73
 Mushrooms 23
 Muskmelons 24
 Musk Plant 65
 Mustard 31
 Myosotis 59
 Nasturtium 45, 63, 93
 Nemophila 67
 Nicotiana 65
 Nicotifide 101
 Nierembergia 69
 Nigella 65
 Oats 31
 Okra 31
 Oleander 93
 Olive 92
 Onions 26, 27
 Onion Sets 27
 Ornamental Grasses 75
 Otaheite Orange 91
 Otonnna 93
 Oxalis 75, 93, 94
 Painted Leaf 59
 Palms 93
 Pampas Grass 75
 Pansy 64, 65,
 Papaver 68, 79
 Paris Daisy 55
 Parsley 34
 Parsnip 31
 Passion Flower 75, 93
 Pasture Grass 42
 Peas, Flowering 45, 72
 Peas, Garden 28, 29, 39
 Peas, Perennial 72, 84
 Pennisetum longistylum 75
 Pensstemon 79
 Peonies 78
 Pepper 31
 Peppergrass (Cress) 19
 Perilla 67
 Periwinkle 74
 Petunia 45, 66, 93
 Pheasant's Eye 58
 Phlox Drummondii 45, 67
 Phlox, Perennial 79
 Physostegia 79
 Picotee 58
 Pie-Plant 33
 Pliogyne 93
 Pinks 58
 Plants for Special Pur-
 poses 103
 Platycodon 55, 78
 Polyanthus 67
 Pop Corn 18
 Poppy 68
 Portulaca 69
 Potatoes 30
 Pot Marigold 58
 Potting Soil 102
 Primrose 67, 93
 Primula 75
 Privet 83
 Pruning Shears 102
 Pumpkin 34
 Purple Fringe 83
 Pyrethrum 67, 78
 Radish 32, 33
 Raffia 102
 Ragged Sailor 57
 Rape 43
 Raspberries 98
 Red Hot Poker 80
 Keeds 102
 Rhubarthe 75
 Rhubarb 33
 Ricinus 69
 Rosemary 39
 Rose of Sharon 83
 Roses 85, 86, 87
 Romaine 23
 Rubber Plant 93
 Rudbeckia 80
 Rue 39
 Ruta Baga 38
 Rye 44
 Saffron 39
 Sage 39, 94
 Salpiglossis 69
 Salsify 34
 Salvia 70, 80, 93
 Savory 39
 Scabiosa 73, 80
 Schizanthus 67, 75
 Scolymus 34
 Sedum 80
 Seeds for Greenhouse 75
 Seeds in Bulk 39
 Seeds of Bulbs 75
 Seeds of Hardy Climbers
 Seeds of Tender Plants 75
 Seeds of Perennials 45
 Sensitive Plant 67
 Shasta Daisy 73, 80
 Shears 102
 Sheep Manure 102
 Silk Oak 94
 Slug Spot 102
 Small Fruits 97
 Smilax 75, 93
 Smoke Tree, 83
 Snapdragon 45, 54
 Snowball 83
 Snow on the Mountain 59
 Soja Bean 43
 Sorghum 44
 Sorrel 39
 Spanish Bayonet 89
 Spanish Salsify 34
 Spinach 33
 Spiraea 80, 83
 Sprayers 103
 Sprinklers 102
 Squirrel-tail Grass 75
 Squash 35
 Stipa pennata 75
 Stocks 73
 Stokesia cyanea 70, 77
 Stonewort 80
 Strawberries 97
 Sugar Cane 44
 Sulpho-Tobacco Soap 101
 Summer Asparagus 34
 Summer Cypress 60
 Summer Hyacinth 79
 Sunflower 44, 70, 77
 Sweet River Daisy 57
 Sweet Alyssum 54
 Sweet Corn 16, 17, 18, 39
 Sweet Peas 45, 72
 Sweet Rocket 73
 Sweet Sultan 59
 Sweet William 70, 80
 Swiss Chard 11
 Syringa 83
 Syringes 102
 Tamarix 83
 Tansy 39
 Tecoma radicans 75, 84
 Tender Cl'mb Plants 93
 Tender Plants and Bulbs 88
 Ten Weeks Stock 73
 Thunbergia 74
 Thyme 39
 Tigridia 94
 Timothy 42, 44
 Tobacco 38
 Tobacco Dust 101
 Tomato 36, 37
 Trees 100, 101
 Tritoma 80
 Trowels 102
 Trumpet Vine 75, 84
 Tuberose 64
 Tuberous Begonias 75, 94
 Tufted Pansies, 74
 Turnip 38
 Umbrella Palm 93
 Variegated Hop 60
 Vegetable Oyster 34
 Velvet Bean 43
 Velvet Trumpet 69
 Verbena 45, 73
 Veronica spicata 80
 Vetch, Hairy 44
 Viburnum 83
 Vinca 74, 94
 Viola 74, 94
 Violets 74
 Virginia Creeper 75, 84
 Wallflower 74
 Watermelons 25
 Weeders 102
 Weigela 83
 Whale Oil Soap 101
 [75] Wheat 43
 Wild Cucumber 59
 Wild Garden 75
 Wistaria 84
 Wormwood 39
 Xeranthemum 75
 Yellow Tulip Poppy 59
 Yucca 80
 Zinnia 45, 74

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

JAMES VICK'S SONS.

The New Home of
Vick Quality

Rochester, N. Y.
The Flower City



Here, in one of the finest buildings in this city, we are so situated that we can handle more orders with better care and greater speed than ever before. Except under unusual circumstances, all orders will be filled within a few hours of their arrival here. Every department is in the hands of efficient superintendents of wide experience and thorough knowledge of the business.

Our seed house is daily receiving stocks either from our own farms or those of other growers, each of whom makes a specialty of growing a few good things; or from some of the famous seed growers of Europe. Our greenhouses are filled to the doors with plants of every kind, while our root cellars are packed with bulbs and dormant plant stock, all waiting for your spring orders.

If you have carefully studied the pages of this catalogue, without doubt there are a number of things you intend to purchase. Let us assure you that your order will receive prompt attention and careful consideration, and will be filled with "Vick Quality Stock, the Best the Earth Produces." Although nearly everybody knows that ours is the oldest mail order seed concern of any importance in the country, we prefer to be known and remembered, not because of our past history, but because of our present usefulness. In the recent Centennial Celebration of the founding of Rochester, our float bore these words:

"SIXTY THREE YEARS IN ROCHESTER,
STILL YOUNG AND STILL GROWING."

The fact that our business has never been in a more prosperous condition than at the present time, is the best proof that we deserve not only the patronage of our regular customers, but the patronage also of every gardener, florist, farmer and housewife who considers the highest possible quality the matter of most importance. The fact that our customers stay by us, year after year, and that we are continually adding new customers to our list, is the best evidence we can present that our goods do give satisfaction.

We could fill a book with letters from satisfied users of Vick Quality Seeds. The underlying tone of all of them is: "It pays to buy the best."

Finally, we request our customers to send their orders early. Use our order blanks and envelopes if convenient. Be sure your letter is sealed. Be sure the address is plain. A letter, telegram or cablegram from any part of the world, addressed to Vick, Rochester, N. Y., will reach us promptly. In fact we receive thousands of letters with either the city or the state wrongly given, because nearly every postmaster in the United States knows that there is just one "Vick," and that our Post Office is Rochester, N. Y., The Flower City. Nevertheless we recommend care in addressing and sealing your letters.

Confidently expecting more orders this year than ever before, to our mutual advantage, we remain,

Very cordially yours,

JAMES VICK'S SONS.



HARVESTING A MONEY
MAKING CROP OF
ONIONS, GROWN FROM
OUR SELECTED
STRAIN OF
DANVERS
YELLOW GLOBE



MR. VICK TESTING THE
WEIGHT OF A BASKET
OF BIG BOSTON
LETTUCE. THERE
IS BIG MONEY
IN A CROP
LIKE THIS

SELECTING
CHOICEST
EARLIANA
TOMATOES FOR
SEED PURPOSES
ON OUR ELM
GROVE SEED FARM

MR. VICK
INSPECTING
A FIELD
OF OUR
DANISH
BALL HEAD
CABBAGE.
THERE IS A
SOLID HEAD
ON EVERY PLANT.



SOUTHPORT GLOBE ONIONS

